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**North Perimeter Road
Preliminary Investigation
Hunter Army Airfield, Georgia**

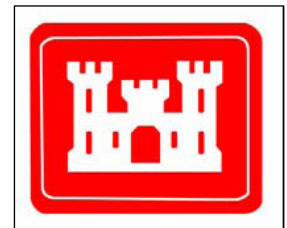
January 2008

Prepared for:

Fort Stewart Directorate of Public Works
Environmental and Natural Resources Division
Environmental Branch
Fort Stewart, Georgia 31314

Prepared by:

U.S. Army Corps of Engineers, Savannah District
P.O. Box 889
Savannah, Georgia 31402-0889



**North Perimeter Road
Preliminary Investigation
Hunter Army Airfield
Savannah, Georgia**

INTRODUCTION

During the March 2006 sampling event for the investigation/remediation work under contract at the MCA Barracks Site Project, a ground water sample from a monitoring well (HGL-3), detected petroleum compounds near the northern boundary of the HAAF facility. Benzene was detected in this well at an isolated depth of approximately 30 feet below grade at a concentration of 34 ug/l. A shallow well (15 feet) paired with the deep well at HGL-3 detected no petroleum contamination (Figure 1). The petroleum detection at 30 feet was considered not consistent with the TCE plume under investigation and possibly associated with a separate potential source area.

Based on these findings, this preliminary investigation was conducted in three phases to verify the presence and identify the likely source of petroleum contamination in ground water at the North Perimeter Road area.

The following is a description of the investigative approach Conducted by USACE – Savannah District and a summary of results.

FIELD ACTIVITIES

Field activities included three phases. A Direct push rig (DPT) was utilized for collecting ground water samples at temporary locations. At each location, two depth intervals were sampled and analyzed for VOCs. A grid pattern was used to establish sample locations starting along the fence boundary moving up gradient toward the south.

Based on the screening results of phase 1, the second phase initiated verification of previous results and some further delineation in the ground water by installing permanent ground water monitoring wells. Soil samples were also collected during phase 2 to verify any potential source area above the water table that may be tied to historical activities or the detected ground water contaminants.

The following is a summary of field activities conducted during each phase:

Phase 1:

- Collected 50 direct push ground water samples; a shallow and deep ground water sample from 25 locations oriented in a grid pattern on 175 foot centers. Shallow DPT ground water samples were collected at 10 feet and deep samples at 25 feet below grade.
- Ground water samples were analyzed at an offsite laboratory for VOCs.
- At each grid location, an macro core soil sample was collected for description and headspace gas analysis using a photo-ionization detector (PID).

Phase 2:

- Collected soil samples at 10 locations to be analyzed for VOCs. Sample locations were based on results of field headspace gas analysis.
- Installed 5 ground water monitoring wells, 2 inch PVC, screen length 10 feet, total depths ranging from 25.5 to 30.5 feet below grade. Well locations and screen depth were determined based on evaluation of phase 1 data.

Phase 3:

- Collected ground water samples from 5 newly installed monitoring wells and monitoring well HGL-3. Samples were analyzed at an offsite laboratory for VOCs. Field parameters for each well are measured during low flow sampling.

SUMMARY OF RESULTS

On May 22 through 24, 2007, a DPT rig was utilized for installing temporary wells at 25 locations as presented in figure 2. At each location, a ground water sample was collected at discrete intervals, 10 and 25 feet below ground surface. Macro core soil samples were collected to document lithology at the sample interval. A PID was used at each location to screen for volatiles within the shallow soils. PID results indicated random readings with meter deflections ranging up to 360 units, in the end suggesting that moisture was affecting instrument performance.

DPT ground water results indicate detections of one or more volatile organic compounds at 10 of the 25 sampled locations. At locations DPT-1 and DPT-6, analytical results verify the presence of petroleum related compounds previously discovered in monitoring well HGL-3. These two sample locations also verified petroleum contamination is deep, 25 feet below ground surface and not present between the water table and 10 feet. The remaining 8 locations (DPT-2, DPT-3, DPT-4, DPT-8, DPT-10, DPT-14, DPT-16 and DPT-22) indicate low levels of mostly naphthalene and few detections of acetone and methylene chloride. Vinyl chloride was detected (3.0 ug/L) in shallow ground water at DPT-10. Trace level of 1,2,4 -Trimethylbenzene was detected in shallow ground water at location DPT-8. Table 1 presents DPT ground water results and Figure 2 shows DPT sample locations.

Upon evaluation of the phase 1 ground water data, 10 soil sample locations were determined based on VOC detections at 10 locations. Five ground water monitoring wells were placed in areas to verify the DPT ground water results. Figure 3 shows monitoring well locations.

On August 10, 2007, soil samples were collected using a DPT rig. Samples were retrieved in 5 foot intervals using macro core sleeves. At each location, the soil cores were screened with a PID and discrete portions collected for laboratory analysis.

Analytical results indicate detections of one or more compounds at 8 sample locations. Sample locations SS-4 and SS-5 indicate detections of 1,1-Dichloropropene and 1,2,3-Trichloropropane in addition to 2-Hexanone and Acetone in SS-5 and Methylene Chloride and Acetone in SS-4. Trace levels of Toluene and p-Isopropyltoluene were detected in SS-6 and Toluene in SS-8. The remaining 6 sample locations (SS-1, SS-2, SS-3, SS-7, SS-9 and SS-10) indicate slight detections of Acetone and/or Methylene Chloride.

Results from these soil samples do not indicate an apparent release or contaminant source area above the water table. Table 2 presents DPT soil sampling results and Figure 3 shows soil sample locations.

On September 5, 2007, ground water monitoring well samples was collected using low flow sampling method. Well evacuation data and field instrument parameters for each monitoring well sampled is provided in the Ground Water Field Data Log.

Analytical results from the monitoring well samples indicate detections of petroleum related compounds in 2 of the 6 well locations sampled. Well location, HGL-3, reported Benzene at 11 ug/L, a decrease in concentration since the previous sample result. Other compounds detected in HGL-3 during this sampling event include, 1,2,3-Trichlorobenze, 1,2,4-Trichlorobenzene, Ethylbenzene, m-Xylene/p-Xylene, Naphthalene, o-Xylene and Toluene. Ground water samples from well location MW-2, located approximately 100 feet south of HGL-3 reported benzene at 9.3 ug/L with trace levels of 4-Isopropyltoluene and Naphthalene. The remaining 4 wells indicated no detections above reporting limits. Table 3 presents ground water monitoring well sample results and Figure 3 shows monitoring well locations.

Results of this investigation address an area extending to the property boundary located roughly along North Perimeter Road. Samples were not collected beyond the property line, which is inferred to be in the down gradient direction with ground water flow. In the vicinity of North Perimeter Road and well HGL-3, detection of benzene and petroleum related compounds in ground water appears isolated to an area including wells MW-2, DPT-1 and DPT -6. Benzene in all 4 wells is only detected at depth (25-39 feet below ground surface).

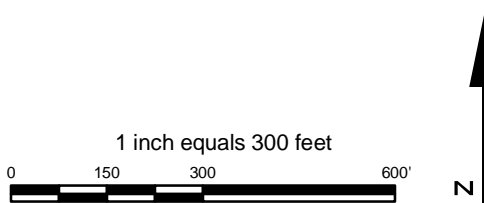
RECOMMENDATIONS

Future work should include further delineation of contaminated ground water beyond the property boundary to verify extent. Ground water flow direction should be verified. The 5 recently installed monitoring wells should be surveyed for elevation and location to generate ground water maps. Future investigation approach should consider recently discovered information with regards to the jet fuel pipeline constructed in the late 50's used to convey fuel from the Savannah port to Hunter. Historical information indicates a 6 inch diameter pipeline was installed from the Bulk Fuels Facility, extending along Perimeter Road and exiting at the property boundary in the vicinity of monitoring well HGL-3. Details are unclear as to the decommissioning of the pipeline however if decommissioning of the pipeline occurred at this location and at depth near HGL-3 further investigation may verify this as the source of the benzene detection.



LEGEND

- HGL MONITORING WELL
- BORING
- STORM WATER
- ROAD EDGE
- RAILROAD
- CANAL
- BUILDING FOOTPRINT

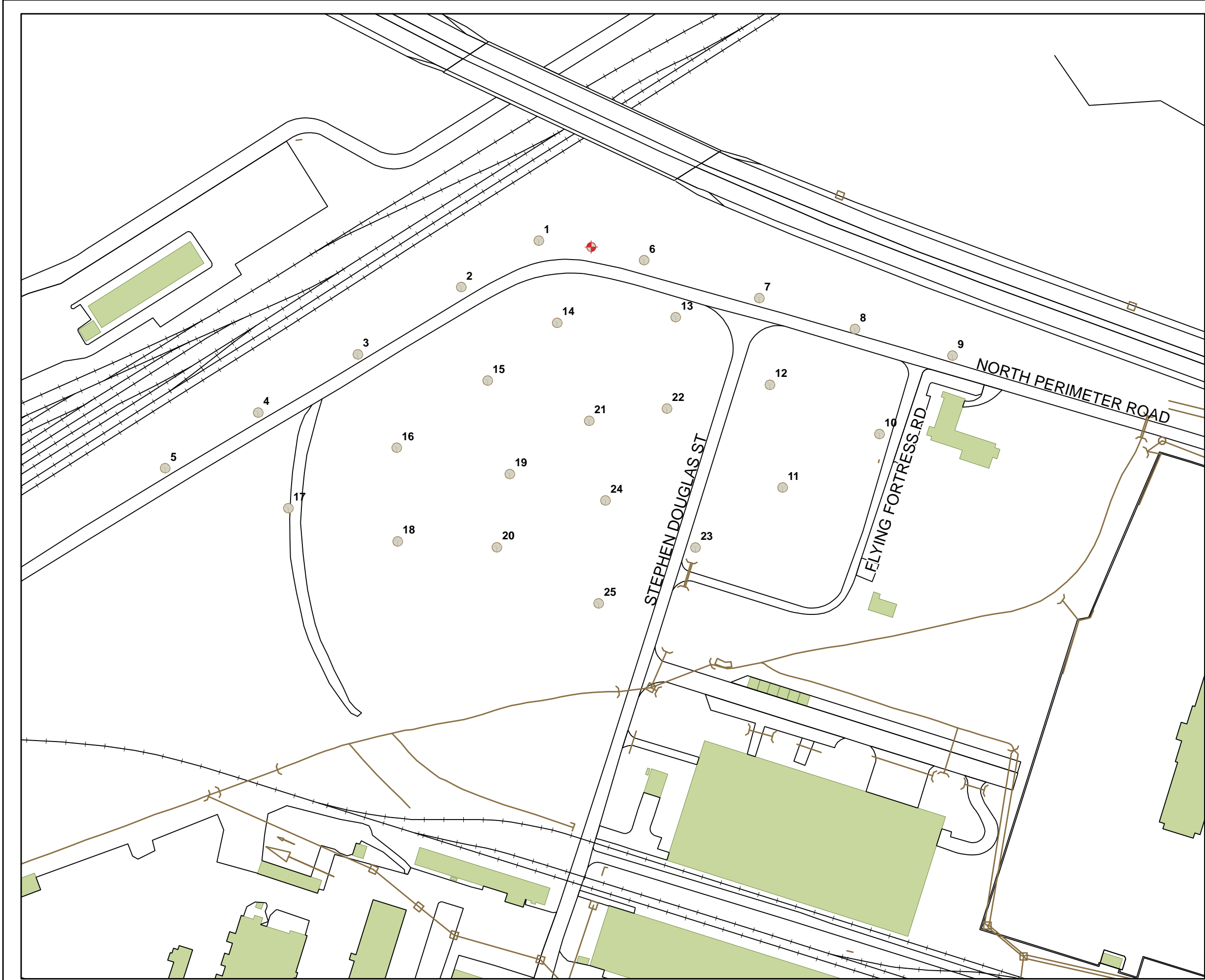


U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

HUNTER ARMY AIRFIELD

SITE LOCATION MAP


PRELIMINARY SITE INVESTIGATION



LEGEND

- HGL MONITORING WELL
- BORING
- STORM WATER
- ROAD EDGE
- RAILROAD
- BUILDING FOOTPRINT

1 inch equals 150 feet
0 75 150 300' N

 U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

HUNTER ARMY AIRFIELD

SITE LOCATION MAP









PRELIMINARY SITE INVESTIGATION

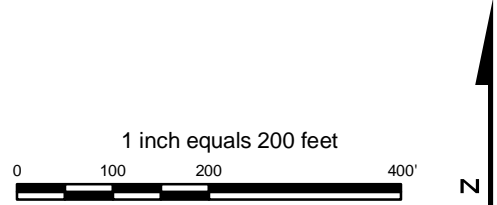
DATE: JAN 2008

FIGURE 2



LEGEND

-  HGL MONITORING WELL
-  MONITORING WELL
-  SHALLOW SOIL SAMPLE
-  STORM WATER
-  ROAD EDGE
-  RAILROAD
-  CANAL
-  BUILDING FOOTPRINT



U.S. ARMY ENGINEER DISTRICT
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SAVANNAH, GEORGIA

HUNTER ARMY AIRFIELD

SITE LOCATION MAP

PRELIMINARY SITE INVESTIGATION

DATE: JAN 2008

FIGURE 3

Table 1

Hunter Army Airfield, Savannah, Georgia

North Perimeter Road

DPT Ground Water Results

Location	1	1	2	2	3	3	4	4	5	5
Sample #	PR-DPT-1S	PR-DPT-1D	PR-DPT-2S	PR-DPT-2D	PR-DPT-3S	PR-DPT-3D	PR-DPT-4S	PR-DPT-4D	PR-DPT-5S	PR-DPT-5D
Date:	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007
Depth:	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Analyte:										
<u>VOCs, 8260B:</u>										
Acetone	BRL	BRL	BRL	BRL	13	BRL	BRL	BRL	BRL	BRL
Benzene	BRL	9.3	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	BRL	7.6	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Isopropylbenzene	BRL	2.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m-Xylene/p-Xylene	BRL	2.1	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	BRL	950	42	74	6.4	BRL	20	BRL	BRL	BRL
o-Xylene	BRL	5.7	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	BRL	1.8	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:

KEY:

VOCs = Volatile Organic Compounds

BRL = Below reporting limit

Location	6	6	7	7	8	8	9	9	10	10
Sample #	PR-DPT-6S	PR-DPT-6D	PR-DPT-7S	PR-DPT-7D	PR-DPT-8S	PR-DPT-8D	PR-DPT-9S	PR-DPT-9D	PR-DPT-10S	PR-DPT-10D
Date:	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/22/2007	5/22/2007	5/22/2007	5/22/2007	5/22/2007	5/22/2007
Depth:	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Analyte:										
<u>VOCs, 8260B:</u>										
1,2,4-Trimethylbenzene	BRL	BRL	BRL	BRL	1.2	BRL	BRL	BRL	BRL	BRL
Benzene	BRL	18	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Ethylbenzene	BRL	6.8	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
m-Xylene/p-Xylene	BRL	3.2	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	BRL	45	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
o-Xylene	BRL	6.3	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Toluene	BRL	0.72	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Vinyl chloride	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	3.0	BRL

Notes:

KEY:

VOCs = Volatile Organic Compounds

BRL = Below reporting limit

Table 1
Hunter Army Airfield, Savannah, Georgia
North Perimeter Road
DPT Ground Water Results

Location Sample # Date:	11	11	12	12	13	13	14	14	15	15
	PR-DPT-11S	PR-DPT-11D	PR-DPT-12S	PR-DPT-12D	PR-DPT-13S	PR-DPT-13D	PR-DPT-14S	PR-DPT-14D	PR-DPT-15S	PR-DPT-15D
	5/22/2007	5/22/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007	5/23/2007
Depth:	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Analyte:										
VOCs, 8260B:										
Acetone	BRL	BRL	BRL	BRL	BRL	BRL	BRL	12	BRL	BRL
Naphthalene	BRL	BRL	BRL	BRL	BRL	BRL	14	BRL	BRL	BRL

Notes:
KEY:
VOCs = Volatile Organic Compounds
BRL = Below reporting limit

Location Sample # Date:	16	16	17	17	18	18	19	19	20	20
	PR-DPT-16S	PR-DPT-16D	PR-DPT-17S	PR-DPT-17D	PR-DPT-18S	PR-DPT-18D	PR-DPT-19S	PR-DPT-19D	PR-DPT-20S	PR-DPT-20D
	5/24/2007	5/24/2007	5/23/2007	5/23/2007	5/24/2007	5/24/2007	5/24/2007	5/24/2007	5/24/2007	5/24/2007
Depth:	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Analyte:										
VOCs, 8260B:										
Acetone	7.2	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL
Naphthalene	BRL	5.0	BRL	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
KEY:
VOCs = Volatile Organic Compounds
BRL = Below reporting limit

Location Sample # Date:	21	21	22	22	23	23	24	24	25	25
	PR-DPT-21S	PR-DPT-21D	PR-DPT-22S	PR-DPT-22D	PR-DPT-23S	PR-DPT-23D	PR-DPT-24S	PR-DPT-24D	PR-DPT-25S	PR-DPT-25D
	5/24/2007	5/24/2007	5/24/2007	5/24/2007	5/23/2007	5/23/2007	5/24/2007	5/24/2007	5/24/2007	5/24/2007
Depth:	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft	10 ft	25 ft
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Analyte:										
VOCs, 8260B:										
Acetone	BRL	BRL	BRL	34	BRL	BRL	BRL	BRL	BRL	BRL
Methylene Chloride	BRL	BRL	2.6	BRL	BRL	BRL	BRL	BRL	BRL	BRL

Notes:
KEY:
VOCs = Volatile Organic Compounds
BRL = Below reporting limit

Table 2
Hunter Army Airfield, Savannah, Georgia
North Perimeter Road
DPT Soil Sampling Results

Location	1	2	3	4	5	6	7	8	9	10
Sample #	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10
Sample Depth	2.5-3.2 ft	3.0-4.0 ft	2.4-2.9 ft	1.4-1.9 ft	1.4-1.9 ft	1.2-1.8 ft	1.6-2.2 ft	3.0-3.5 ft	2.9-3.6 ft	2.2-2.9 ft
Date:	8/10/2007	8/10/2007	8/10/2007	8/10/2007	8/10/2007	8/10/2007	8/10/2007	8/10/2007	8/10/2007	8/10/2007
	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)
Analyte:										
VOCs, 8260B:										
1,1-Dichloropropene	BRL	BRL	BRL	9.4	8.7	BRL	BRL	BRL	BRL	BRL
1,2,3-Trichloropropane	BRL	BRL	BRL	29	30	BRL	BRL	BRL	BRL	BRL
2-Hexanone	BRL	BRL	BRL	BRL	9.6	BRL	BRL	BRL	BRL	BRL
Acetone	BRL	25	56	63	78	76	19	7.2	BRL	58
Methylene Chloride	BRL	BRL	BRL	4.1	BRL	BRL	4.2	3.1	BRL	BRL
p-Isopropyltoluene	BRL	BRL	BRL	BRL	BRL	2.1	BRL	BRL	BRL	BRL
Toluene	BRL	BRL	BRL	BRL	BRL	1.2	BRL	0.86	BRL	BRL

KEY:
VOCs = Volatile Organic Compounds
BRL = Below reporting limit

Table 3
Hunter Army Airfield, Savannah, Georgia
North Perimeter Road
Ground Water Monitoring Well Sample Results

Location	MW-1	MW-2	MW-3	MW-4	MW-5	HGL-3	MW-3
Sample #	P-MW-1-9-07	P-MW-2-9-07	P-MW-3-9-07	P-MW-4-9-07	P-MW-5-9-07	P-HGL-3-9-07	P-DUP
Sample Depth	28.8 ft	30 .5 ft	25.5 ft	29.1 ft	30.0 ft	39.42 ft	25.5 ft
Date:	9/5/2007	9/5/2007	9/5/2007	9/6/2007	9/6/2007	9/5/2007	9/5/2007
	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
Analyte:							
VOCs, 8260B:							
1,2,3-Trichlorobenzene	BRL	BRL	BRL	BRL	BRL	1.7	BRL
1,2,4-Trichlorobenzene	BRL	BRL	BRL	BRL	BRL	1.1	BRL
4-Isopropyltoluene	BRL	2.9	BRL	BRL	BRL	BRL	BRL
Benzene	BRL	9.3	BRL	BRL	BRL	11	BRL
Ethylbenzene	BRL	BRL	BRL	BRL	BRL	4.7	BRL
m-Xylene/p-Xylene	BRL	BRL	BRL	BRL	BRL	0.81	BRL
Naphthalene	BRL	14	BRL	BRL	BRL	360	BRL
o-Xylene	BRL	BRL	BRL	BRL	BRL	3.4	BRL
Toluene	BRL	BRL	BRL	BRL	BRL	1.0	BRL

KEY:
VOCs = Volatile Organic Compounds
BRL = Below reporting limit



**U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
GEOLOGY and HYDROGEOLOGY**

**GROUND WATER
FIELD DATA LOG**

1. CLIENT: Hunter Army Airfield
DATE: 9/05/07 TIME: 1345
SAMPLED BY: Jon Coombs
WEATHER CONDITIONS: Sunny, Warm

Location: North Perimeter Road

Sample ID: P-MW-1-9-07

PRESERVATIVE: HCl

ANALYSES REQUESTED: VOC

OF CONTAINERS: 3

SAMPLING METHOD: ☒ Peristaltic Pump
☐ Bladder Pump

LOW FLOW: ☐ YES ☒ NO

SAMPLES FILTERED: ☐ YES ☒ NO

DUPLICATE SAMPLE: ☐ YES ☒ NO

2. **WATER LEVEL DATA**

MEASURING POINT: ☒ Top of casing ☐ Other:

METHOD OF MEASUREMENT: Water Level Indicator

3. **WELL EVACUATION DATA**

Well Depth (wd): 28.80 (ft) Diameter (d): 2.00 (in)
Depth to Water (dw): 1.15 (ft) Diameter (d): 0.167 (ft)
Well Volume = $(5.904 \times d^2 (wd-dw)) =$ 4.5 (gallons)
Flow Rate : N/A (ml/min) Purge vol: 13.50 (gallons)
Length of Time Purged: 53 (minutes) Purge time: 1252
Amount Purged= 25.0 (gallons)

4. **FIELD PARAMETERS**

INSTRUMENT	CALIBRATED
pH Meter –Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Conductivity Meter - Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Temperature – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Turbidity Meter – Hach 2100 P	<input checked="" type="checkbox"/>
DO Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
ORP Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
CO ₂ – Hach Digital Titrator	<input type="checkbox"/>

Time	1315	1320	1325	1330	1335	1340
pH	6.60	6.63	6.66	6.68	6.68	6.72
Sp. Cond	0.17	0.17	0.17	0.17	0.17	0.17
Temp. °C	20.91	20.84	20.91	20.89	21.20	20.97
Turbidity	905	793	795	590	533	541
DO	1.34	1.20	1.10	1.07	2.50	1.11
ORP	-210	-206	-207	-206	-204	-202

5. COMMENTS: More than 5 times volume



**U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
GEOLOGY and HYDROGEOLOGY**

**GROUND WATER
FIELD DATA LOG**

1. CLIENT: Hunter Army Airfield
DATE: 9/05/07 TIME: 1425
SAMPLED BY: Jon Coombs
WEATHER CONDITIONS: Sunny, Warm

Location: North Perimeter Road

Sample ID: P-MW-2-9-07

PRESERVATIVE: HCl

ANALYSES REQUESTED: VOC

OF CONTAINERS: 3

SAMPLING METHOD: ☒ Peristaltic Pump
☐ Bladder Pump

LOW FLOW: ☐ YES ☒ NO

SAMPLES FILTERED: ☐ YES ☒ NO

DUPLICATE SAMPLE: ☐ YES ☒ NO

2. **WATER LEVEL DATA**

MEASURING POINT: ☒ Top of casing ☐ Other:

METHOD OF MEASUREMENT: Water Level Indicator

3. **WELL EVACUATION DATA**

Well Depth (wd): 30.50 (ft) Diameter (d): 2.00 (in)

Depth to Water (dw): 3.73 (ft) Diameter (d): 0.167 (ft)

Well Volume = $(5.904 \times d^2 (wd-dw)) =$ 4.4 (gallons)

Flow Rate : N/A (ml/min) Purge vol: 13.20 (gallons)

Length of Time Purged: 13 (minutes) Purge time: 1412

Amount Purged= 13.2 (gallons)

4. **FIELD PARAMETERS**

INSTRUMENT	CALIBRATED
pH Meter –Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Conductivity Meter - Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Temperature – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Turbidity Meter – Hach 2100 P	<input checked="" type="checkbox"/>
DO Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
ORP Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
CO ₂ – Hach Digital Titrator	<input type="checkbox"/>

Time	1415	1420	1425			
pH	6.46	6.46	6.46			
Sp. Cond	0.48	0.46	0.46			
Temp. °C	20.50	20.46	20.44			
Turbidity	9.14	5.84	4.75			
DO	1.72	1.22	1.08			
ORP	-169	-172	-170			

5. COMMENTS: None



**U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
GEOLOGY and HYDROGEOLOGY**

**GROUND WATER
FIELD DATA LOG**

1. CLIENT: Hunter Army Airfield
DATE: 9/05/07 TIME: 1510
SAMPLED BY: Jon Coombs
WEATHER CONDITIONS: Sunny, Warm

Location: North Perimeter Road

Sample ID: P-MW-3-9-07

PRESERVATIVE: HCl

ANALYSES REQUESTED: VOC

OF CONTAINERS: 3

SAMPLING METHOD: ☒ Peristaltic Pump
☐ Bladder Pump

LOW FLOW: ☐ YES ☒ NO

SAMPLES FILTERED: ☐ YES ☒ NO

DUPLICATE SAMPLE: ☒ YES ☐ NO

2. **WATER LEVEL DATA**

MEASURING POINT: ☒ Top of casing ☐ Other:

METHOD OF MEASUREMENT: Water Level Indicator

3. **WELL EVACUATION DATA**

Well Depth (wd): 25.50 (ft) Diameter (d): 2.00 (in)

Depth to Water (dw): 14.30 (ft) Diameter (d): 0.167 (ft)

Well Volume = $(5.904 \times d^2 (wd-dw)) =$ 1.8 (gallons)

Flow Rate : N/A (ml/min) Purge vol: 5.40 (gallons)

Length of Time Purged: 23 (minutes) Purge time: 1447

Amount Purged= 12.0 (gallons)

4. **FIELD PARAMETERS**

INSTRUMENT	CALIBRATED
pH Meter –Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Conductivity Meter - Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Temperature – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Turbidity Meter – Hach 2100 P	<input checked="" type="checkbox"/>
DO Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
ORP Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
CO ₂ – Hach Digital Titrator	<input type="checkbox"/>

Time	1452	1457	1502	1506	1509	
pH	5.95	5.97	5.97	5.96	5.97	
Sp. Cond	0.64	0.70	0.70	0.70	0.69	
Temp. °C	22.05	21.94	21.84	21.87	21.83	
Turbidity	5.57	6.15	14.2	10.9	9.74	
DO	1.67	1.25	1.11	1.05	1.02	
ORP	-105	-111	-113	-114	-114	

5. **COMMENTS:** More than 6 times volume.

Dup taken, P-Dup:1600.



**U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
GEOLOGY and HYDROGEOLOGY**

**GROUND WATER
FIELD DATA LOG**

1. CLIENT: Hunter Army Airfield
DATE: 9/06/07 TIME: 0845
SAMPLED BY: Jon Coombs
WEATHER CONDITIONS: Sunny, Warm

Location: North Perimeter Road

Sample ID: P-MW-4-9-07

PRESERVATIVE: HCl

ANALYSES REQUESTED: VOC

OF CONTAINERS: 3

SAMPLING METHOD: ☒ Peristaltic Pump
☐ Bladder Pump

LOW FLOW: ☐ YES ☒ NO

SAMPLES FILTERED: ☐ YES ☒ NO

DUPLICATE SAMPLE: ☐ YES ☒ NO

2. **WATER LEVEL DATA**

MEASURING POINT: ☒ Top of casing ☐ Other:

METHOD OF MEASUREMENT: Water Level Indicator

3. **WELL EVACUATION DATA**

Well Depth (wd): 29.10 (ft) Diameter (d): 2.00 (in)

Depth to Water (dw): 3.66 (ft) Diameter (d): 0.167 (ft)

Well Volume = $(5.904 \times d^2 (wd-dw)) =$ 4.2 (gallons)

Flow Rate : N/A (ml/min) Purge vol: 12.60 (gallons)

Length of Time Purged: 33 (minutes) Purge time: 812

Amount Purged= 12.7 (gallons)

4. **FIELD PARAMETERS**

INSTRUMENT	CALIBRATED
pH Meter –Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Conductivity Meter - Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Temperature – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Turbidity Meter – Hach 2100 P	<input checked="" type="checkbox"/>
DO Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
ORP Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
CO ₂ – Hach Digital Titrator	<input type="checkbox"/>

Time	0821	0831	0836	0841		
pH	6.19	6.26	6.28	6.30		
Sp. Cond	0.53	0.53	0.54	0.53		
Temp. °C	20.86	20.82	20.77	20.81		
Turbidity	6.84	2.44	1.33	1.45		
DO	2.82	1.37	1.22	1.13		
ORP	-127	-133	-135	-137		

5. COMMENTS: None



**U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
GEOLOGY and HYDROGEOLOGY**

**GROUND WATER
FIELD DATA LOG**

1. CLIENT: Hunter Army Airfield
DATE: 9/06/07 TIME: 0935
SAMPLED BY: Jon Coombs
WEATHER CONDITIONS: Sunny, Warm

Location: North Perimeter Road

Sample ID: P-MW-5-9-07

PRESERVATIVE: HCl

ANALYSES REQUESTED: VOC

OF CONTAINERS: 3

SAMPLING METHOD: ☒ Peristaltic Pump
☐ Bladder Pump

LOW FLOW: ☐ YES ☒ NO

SAMPLES FILTERED: ☐ YES ☒ NO

DUPLICATE SAMPLE: ☐ YES ☒ NO

2. **WATER LEVEL DATA**

MEASURING POINT: ☒ Top of casing ☐ Other:

METHOD OF MEASUREMENT: Water Level Indicator

3. **WELL EVACUATION DATA**

Well Depth (wd): 30.00 (ft) Diameter (d): 2.00 (in)

Depth to Water (dw): 3.10 (ft) Diameter (d): 0.167 (ft)

Well Volume = $(5.904 \times d^2 (wd-dw)) =$ 4.4 (gallons)

Flow Rate : N/A (ml/min) Purge vol: 13.20 (gallons)

Length of Time Purged: 35 (minutes) Purge time: 900

Amount Purged= 16.0 (gallons)

4. **FIELD PARAMETERS**

INSTRUMENT	CALIBRATED
pH Meter –Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Conductivity Meter - Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Temperature – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Turbidity Meter – Hach 2100 P	<input checked="" type="checkbox"/>
DO Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
ORP Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
CO ₂ – Hach Digital Titrator	<input type="checkbox"/>

Time	0907	0917	0922	0927	0935	
pH	5.87	5.82	5.83	5.84	5.86	
Sp. Cond	0.18	0.18	0.18	0.18	0.18	
Temp. °C	20.08	20.22	20.24	20.32	20.66	
Turbidity	193	31.6	16.3	20.2	6.26	
DO	1.19	1.05	1.03	1.11	1.10	
ORP	-63	-66	-67	-69	-71	

5. COMMENTS: Blank taken, P-Blank:1100



**U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
GEOLOGY and HYDROGEOLOGY**

**GROUND WATER
FIELD DATA LOG**

1. CLIENT: Hunter Army Airfield
DATE: 9//07 TIME: 1610
SAMPLED BY: Jon Coombs
WEATHER CONDITIONS: Sunny, Warm

Location: North Perimeter Road	Sample ID: P-HGL-3-9-07

PRESERVATIVE: HCl

ANALYSES REQUESTED: VOC

OF CONTAINERS: 3

SAMPLING METHOD: ☒ Peristaltic Pump

☐ Bladder Pump

LOW FLOW: ☐ YES ☒ NO

SAMPLES FILTERED: ☐ YES ☒ NO

DUPLICATE SAMPLE: ☐ YES ☒ NO

2. **WATER LEVEL DATA**

MEASURING POINT: ☒ Top of casing ☐ Other:

METHOD OF MEASUREMENT: Water Level Indicator

3. **WELL EVACUATION DATA**

Well Depth (wd): 39.42 (ft) Diameter (d): 2.00 (in)
Depth to Water (dw): 2.25 (ft) Diameter (d): 0.167 (ft)
Well Volume = $(5.904 \times d^2 (wd-dw)) =$ 6.1 (gallons)
Flow Rate : N/A (ml/min) Purge vol: 18.30 (gallons)
Length of Time Purged: 38 (minutes) Purge time: 1532
Amount Purged= 25.0 (gallons)

4. **FIELD PARAMETERS**

INSTRUMENT	CALIBRATED
pH Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Conductivity Meter - Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Temperature – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
Turbidity Meter – Hach 2100 P	<input checked="" type="checkbox"/>
DO Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
ORP Meter – Hydrolab Minisonde 4a	<input checked="" type="checkbox"/>
CO ₂ – Hach Digital Titrator	<input type="checkbox"/>

Time	1543	1547	1552	1600	1605	1608
pH	6.35	6.41	6.47	6.52	6.55	6.57
Sp. Cond	0.60	0.59	0.59	0.58	0.57	0.57
Temp. °C	21.61	21.60	21.54	21.60	21.48	21.50
Turbidity	22.5	22.7	11.6	5.25	4.24	6.94
DO	1.80	1.27	1.15	1.03	1.01	1.00
ORP	-125	-135	-142	-151	-154	-157

5. COMMENTS: None



Analytical Management Laboratories, Inc.
est. 1993

15130 South Keeler, Olathe, Kansas 66062
Phone: (913) 829-0101 • Fax: (913) 829-1181

June 19, 2007

Mr. Mark S. Harvison
Project Chemist, CESAS-EN-GG
U.S. Army Corps of Engineers, Savannah District
100 W. Oglethorpe Ave.
P. O. Box 889
Savannah, GA 31402
Phone: 912-652-5151
Fax: 912-652-5311

Dear Mr. Harvison:

RE: Hunter Perimeter Sampling, Task Order 0085
W912HN-05-D-0013
AML Work Order Number: AAL12050

Attached, please find the hardcopy analytical report (102 total pages) for environmental samples collected by CESAS for the project described above. Problems encountered in the analysis of these samples are documented in the laboratory case narrative. The electronic data deliverables (EDDs) for this report will be e-mailed within a few days of this report. Please feel free to contact me by phone (913-829-0101-ext. 23), fax (913-829-1181) or email (mharris@amlabinc.com) if you have any questions.

Respectfully Submitted,
Analytical Management Laboratories, Inc.



Melama Harris
Project Manager



Multi State Certified



AML Case Narrative

Project:	Hunter Perimeter Sampling, Task Order 0085
Your Reference:	W912HN-05-D-0013
Our Reference:	AML Work Order Number: AAL12050

Project and Sample Information

Technical support for the analysis of samples collected for the referenced project was provided by Accura Analytical Laboratory, Inc, 6017 Financial Drive, Norcross, GA 30071. The analytical report prepared by the subcontract laboratory (certified by the State of South Carolina) is attached. Please feel free to contact Mr. David Fuller directly (770-449-8800) if there are any questions on this report.



15-JUN-07

Analytical Management Laboratories, Inc.
15130 South Keeler
Olathe, KS 66062
Client Contact: Vis Viswanathan

Reference: Accura Analytical Laboratory, Inc. (AAL) Work Order No: 12050
Project Name :Hunter Perimeter Sampling
Project Number: Task Order 0085

Dear Vis Viswanathan :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Chain of Custody(s) Numbered 47456 47457 47458 47459 . All results being reported under this Chain of Custody apply to the samples analyzed and properly identified with an AAL Sample ID number.

All the results for the quality control samples were reviewed. Also, all parameters for data reduction and validation were reviewed. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by AAL. This report will be filed for at least 7 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. 47456 47457 47458 47459 will be filed for 90 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Accura Analytical Laboratory Inc. to serve your analytical needs. If you have any questions concerning this report, please feel free to contact me at any time.

Sincerely,

David Fuller
Project Manager



ACCURA ANALYTICAL LABORATORY, INC. (AAL)

6017 Financial Drive, Norcross, GA 30071, Phone: (770) 449-8800

FL Certification #E87429 • NC Certification #483

SC Certification #98015 • Utah Certification #AALI1

USACE Approved • Navy Certification Code NFESC 413

Case Narrative

AAL Work Order # 12050

Client Project: Hunter Perimeter Sampling / AML TO #0085

Accura Analytical Laboratory Inc. certifies that the results meet all requirements of the NELAC Standards.

The data package includes a 2 page case narrative, 4 Chain of Custody pages, a 2 page Sample Receipt Checklist, 64 analytical results pages, 9 QC surrogate recovery pages, 6 QC Blank Spike, 9 QC Matrix Spike / Matrix Spike Duplicate recovery page, 2 QC Sample Duplicate recovery page, and a list of common EPA qualifier codes and abbreviations used by AAL.

The following items were noted concerning this work order:

Receiving Notations:

1. Upon receipt, air bubbles greater than ¼ inch were noted in all vials submitted for the following samples: PR-DPT-8-S, PR-DPT-10-S, PR-DPT-7-S, and PR-DPT-23-S.

Michael F. Broome

Receiving

May 24, 2007

Date

VOCs by SW8260B Notations:

1. The pH of the water samples was >2.0 prior to the VOC analysis.
2. Methylene Chloride was outside laboratory control limits (bias high) for the Laboratory Blank Spike and Matrix Spike in analytical batch #36120 due to possible laboratory contamination. The RPD for Methylene Chloride in the Matrix Spike and Matrix Spike Duplicate was also outside laboratory control limits. (Note: Methylene Chloride was not detected in any of the samples.)
3. Methylene Chloride was outside laboratory control limits (bias high) for the Laboratory Blank Spike in analytical batch #36132 due to possible laboratory contamination. The recoveries for the MS and MSD were within the acceptable limits. (Note: Methylene Chloride was not detected in any of the samples.)
4. Methylene Chloride was outside laboratory control limits (bias high) for the Laboratory Blank Spike (Batch #36193) due to possible laboratory contamination. The recoveries for the MS and MSD were within the acceptable limits. (Note: Methylene Chloride was not detected in any of the samples.)

NNNA



ACCURA ANALYTICAL LABORATORY, INC. (AAL)

6017 Financial Drive, Norcross, GA 30071, Phone: (770) 449-8800

FL Certification #E87429 • NC Certification #483

SC Certification #98015 • Utah Certification #AALI1

USACE Approved • Navy Certification Code NFESC 413

Case Narrative

5. The recoveries for Acetone and Acrolein for the Matrix Spike and Matrix Spike Duplicate were outside laboratory control limits. The Laboratory Blank Spike recoveries were within the acceptable limits, therefore the data satisfies the method requirements. (Batch#36193)

Dawn Sengsourichanh

VOC Analyst

June 07, 2007

Date

This Case Narrative & Notations have been generated, reviewed, and edited by:

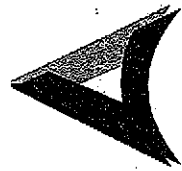
David C. Fuller

Project Manager

June 15, 2007

Date

ANNEX



ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

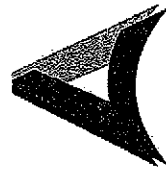
CHAIN OF CUSTODY

Company Name: US Army Corps of Eng Billing address: AMC
Address: 100 West Ogden Ave P.O.# (if required):
Results Sent to: (Client Contact): AMC
Email address:
Contact Phone #: 912-677-6077 Fax#:
Project (Site) Name: Hunter Perimeter Sampling
Project Number: AMC TO # 0085 Preservation Code: (See below)

For Laboratory Use Only: AAL LIMS System ID: 7005
QC Level: 1 2 3 4 CLP-Like Receiver's Initials/Temp: BM 22
Custody Seal(s): 2 0 N Tape AAL Work Order # 12050

Line No.	Sample ID #	Sample Date / Time	Composite	Grab	Matrix (See below)	Sample Location	No. of Containers	Analysis Requested										Field Comments:	AAL Lab ID:
1	Tip Blank						2												12050
2	PR-DPT-8-S	5/22/07 1030			α GW		3											no piser...	001
3	PR-DPT-8-D	5/22/07 1045			α GW		3											11	002
4	PR-DPT-9-S	5/22/07 1200			α GW		3											11	003
5	PR-DPT-9-D	5/22/07 1230			α GW		3											11	004
6	PR-DPT-10-S	5/22/07 1345			α GW		3											11	005
7	PR-DPT-10-D	5/22/07 1400			α GW		3											11	006
8	PR-DPT-11-S	5/22/07 1415			α GW	JOE	3											11	007
9	PR-DPT-11-D	5/22/07 1430			α GW	JOE	3											11	008
10	PR-DPT-7-S	5/22/07 1445			α GW		3											11	008

1) Relinquished By: 5/23/07 1200 Date / Time: 5/23/07 1200 2) Received By: 5/23/07 1200 Date / Time: 5/23/07 1200
3) Relinquished By: 5/24/07 10:55 Date / Time: 5/24/07 10:55 4) Received By: 5/24/07 10:55 Date / Time: 5/24/07 10:55
Turnaround Time Requested:
Delivered by: (Circle One)
☒ Fed Ex ☐ UPS ☐ DHL ☐ AAL Pickup / Hand / Other
Matrix Guide: (W=Water) (DW=Drinking Water) (GW=Groundwater) (SW=Surface Water) (L=Liquid) (S=Solid) (SL=Sludge) (A=Air) (C=Air Cartridge)
Preservation Codes: 1=HCL / 2=HNO₃ / 3=H₂SO₄ / 4=NaOH+NaAsO₂ / 5=NaOH+ZnAc / 6=Na₂S₂O₃ / 7=NaHSO₄ / 8=MeOH



ACCURA ANALYTICAL LABORATORY, INC.
Environmental Analytical Services
CHAIN OF CUSTODY

47457 ⁰⁸
Page 2 of 4
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

AML

Company Name: US Army Corps of Eng
Billing address: 100 West Oglethorpe Ave
Address: AML
Results Sent to: (Client Contact):
Email address:
Contact Phone #: 912-677-6077 Fax#: 912-677-6077

Project (Site) Name: Wanted Perimeter Sampling
Project Number: AML YD#0085 Preservation Code: (See below)
Sampler(s): (signature) Anthony Ponsi Sampler(s): (printed) Anthony Ponsi

Line No.	Sample ID #	Sample Date / Time	Composite	Grab	Matrix (See below)	Sample Location	No. of Containers	Analysis Requested										Field Comments:	AAL Lab ID:
1	PR-DPT-7-D	5/22/07 1500			α GW		3												12050
2	PR-DPT-23-S	5/23/07 0900			α GW		3											no pre-serv on 009	009
3	PR-DPT-23-D	5/23/07 0900			α GW		3											11	010
4	PR-DPT-12-S	5/23/07 0900			α GW		3											11	011
5	PR-DPT-12-D	5/23/07 0920			α GW		3											11	012
6	PR-DPT-13-S	5/23/07 1000			α GW		3											11	013
7	PR-DPT-13-D	5/23/07 1000			α GW		3											11	014
8	PR-DPT-6-S	5/23/07 1030			α GW		3											11	015
9	PR-DPT-6-D	5/23/07 1040			α GW		3											11	016
10	PR-DPT-1-S	5/23/07 1200			α GW		3											11	017
11																			018

1) Relinquished By: AML Date / Time: 5/23/07 1200 2) Received By: Supper Date / Time: 5/23/07 10:55
3) Relinquished By: AML Date / Time: 5/23/07 10:55 4) Received By: Anthony Ponsi Date / Time: 5/23/07 10:55
Turnaround Time Requested: 10:55
Matrix Guide: (W=Water) (DW=Drinking Water) (GW=Groundwater) (SW=Surface Water) (L=Liquid) (O=Oil) (S=Soil) (SD=Solid) (SL=Sludge) (A=Air) (C=Air Cartridge)
Preservation Codes: 1=HCL / 2=HNO₃ / 3=H₂SO₄ / 4=NaOH+NaAsO₂ / 5=NaOH+ZnAc / 6=Na₂S₂O₃ / 7=NaHSO₄ / 8=MeOH



ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

CHAIN OF CUSTODY

Company Name: US Army Corps of Engineers Billing address: AMC

Address: 100 West Oglethorpe Ave P.O.# (if required):

Results Sent to: (Client Contact): AMC

Email address:

Contact Phone #: 912-627-6027 Fax#:

Project (Site) Name: Hastar Riverwater Sampling

Project Number: AMC TO #10085 Preservation Code: (See below)

Sampler(s): (signature) [Signature] Sampler(s): (printed) Anthony Johnson

Line No.	Sample ID #	Sample Date / Time	Composite	Grab	Matrix (See below)	Sample Location	No. of Containers	Analysis Requested										Field Comments:	AAL Lab ID:
1	PR-DPT-1-D	5/23/07 1215			α GW		3											representation	12050
2	PR-DPT-2-S	5/23/07 1220			α GW		3											11	019
3	PR-DPT-2-D	5/23/07 1220			α GW		3											11	020
4	PR-DPT-3-S	5/23/07 1300			α GW		3											11	021
5	PR-DPT-3-D	5/23/07 1315			α GW		3											11	022
6	PR-DPT-4-S	5/23/07 1330			α GW		3											11	023
7	PR-DPT-4-D	5/23/07 1345			α GW		3											11	024
8	PR-DPT-5-S	5/23/07 1420			α GW		3											11	025
9	PR-DPT-5-D	5/23/07 1430			α GW		3												026
10	PR-DPT-17-S	5/23/07 1430			α GW		3												027
1) Relinquished By: <u>[Signature]</u> Date / Time: <u>5/23/07 1200</u>										2) Received By: <u>[Signature]</u> Date / Time: <u>5/24/07 10:55</u>									
3) Relinquished By: <u>[Signature]</u> Date / Time: <u>5/23/07 1200</u>										4) Received By: <u>Anthony Johnson</u> Date / Time: <u>5/24/07 10:55</u>									

Matrix Guide: (W=Water) (DW=Drinking Water) (GW=Groundwater) (SW=Surface Water) (L=Liquid) (O=Oil) (S=Solid) (SL=Sludge) (A=Air) (C=Air Cartridge)

Preservation Codes: 1=HCL / 2=HNO₃ / 3=H₂SO₄ / 4=NaOH+NaAsO₂ / 5=NaOH+ZnAc / 6=Na₂S₂O₃ / 7=NaHSO₄ / 8=MeOH

SAMPLE RECEIPT CHECKLIST VERSION 6

Client Code: 0153 AAL Project Mgr: DFClient Project Name: Hunter Perimeter SamplingACCURA Work Order#: 12050Are there Encores, tests with 48 Hr. hold times, or RUSH IAPs requested? YES NO

If YES, you must communicate RUSH analyses to the appropriate analyst(s) immediately!!! / or preserve Encores (see #16 below)!!!

Preliminary Examination: Initials: 10 Date received: 5/24/07 Date cooler was opened: 5/24/07

1. Did cooler/package come with a shipping slip (airbill, Etc.)? YES NO
If YES, enter carrier name and airbill number: FedEx - 8597 0515 0848
Describe type of packing in cooler: Bubble Wrap / Ice
****If cooler was hand delivered, CIRCLE HERE, skip to item #5****
2. Were custody seals on outside of cooler? YES NO
If YES, how many: 2 seal dated: 5/23/07 seal name: M.H.
3. Were custody seals unbroken and intact at the date and time of arrival? YES N/A NO
4. Were custody papers sealed in a plastic bag to prevent damage to chain of custody? YES NO
5. If required, was enough ice used? (Internal cooler temperature, 2°C) YES N/A NO
6. Did you sign custody papers in the appropriate place? YES NO
7. Was project identifiable from custody papers? YES NO
If YES, enter project name at the top.

Complete project file with green sheet, proper file tag, and shipping documentation. Line up samples following chain. Complete Container Receipt Verification form (include extra containers for dissolved metals filtrates). Complete login in XENCO and generate AAL ID Labels.

8. Did all containers arrive unbroken and were labels in good condition? YES NO
9. Were custody papers filled out properly and did all labels agree with custody papers? YES NO
10. Were correct containers and sufficient amount of sample sent for the test indicated? YES NO
11. All samples collected within three days of date received for these analyses
(Reactive Cn & S, Solids in H₂O, Sulfide, Sulfite, IALL! Extractable Organic Waters)? YES N/A NO
If NO, coordinate with the project manager to ensure that no samples go out of hold!!!
12. No residual chlorine found in waters for these analyses:
(Cyanide, PAH, SVOC, Pesticides, PCB's, Herbicides)? YES N/A NO
Checked by: _____ (Initials)
13. Were samples properly chemically preserved, if required, upon receipt? YES N/A NO
(For example: pH checked for waters for all Metals, Wet Chemistry, Pesticides, PCB's, Herbicides, and VOC/BTEX samples submitted with HCL for waters and in either Encore samplers or NaHSO₄ labeled vials for soils)
Preservation checked by: _____ (Initials)
14. Were air bubbles (>1/4 inch) absent in VOC/BTEX samples? YES N/A NO
If NO, list ID # on back and label vials with: Do Not Use Until Notified By Management
15. If there are samples for dissolved metals, were they field filtered? YES N/A NO
If NO, list date and time samples were filtered and preserved in lab: _____
16. Were Encore samplers included? YES NO
If YES, date and time preserved with NaHSO₄: _____ By whom: _____
17. Does this submittal contain soil NaHSO₄ vials for BTEX/GRO/VOC'S? YES NO
If YES, vials weighed by and entered into vial database by: _____
18. Initials of laboratory personnel responsible for labeling laboratory I.D. numbers on containers: _____

Keep samples and chain out. Before moving samples to their appropriate location, another person must review the entire project ensuring that information on the AAL ID Barcode label matches the container label, and that all information is consistent with the chain.

Final check and samples logged to locations by: _____ (Initials)

19. Was it necessary to call the assigned project manager in order to proceed with login? YES NO
If YES, give details on the back of this form.
20. Who was called? _____ By whom? _____ Date/Time: _____
- Project Mgr. Review: DF (Initials) 5/25/07 (Date)

Page 1 of 2

ACCURA ANALYTICAL LABORATORY, INC.
SAMPLE RECEIPT VARIANCE FORM

Item # Discrepancies Noted:

14-1 Received Samples: PR-DPT-8-S, PR-DPT-10-S,
PR-DPT-7-S, and sample PR-DPT-23-S all with
1/4 of inch air space, all samples with labeled
with a DNA UNB Management label

3-1 all samples received without HCL preservation
on 5/20/07 samples check by (m)

Item # Actions Taken:

14-1 Notified Client via email on 5/29/07. Per client, proceed
w/ analysis and note variances on case narrative. *Day*
5/29/07

3-1 Notified analysts upon receipt.



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: Trip Blank	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-001	Date Collected: May-22-07 00:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-26-07 16:36	Analyst: MJL01	Date Prep: May-26-07 08:09	Tech: MJL01
Seq Number: 36120			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: Trip Blank	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-001	Date Collected: May-22-07 00:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-26-07 16:36**

Analyst: **MJL01**

Date Prep: **May-26-07 08:09**

Tech: **MJL01**

Seq Number: **36120**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-8-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-002	Date Collected: May-22-07 10:30	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-26-07 17:32	Analyst: MJL01	Date Prep: May-26-07 08:09	Tech: MJL01
Seq Number: 36120			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	1.2	1.0	0.14	ug/L		1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-8-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-002	Date Collected: May-22-07 10:30	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-26-07 17:32**

Analyst: **MJL01**

Date Prep: **May-26-07 08:09**

Tech: **MJL01**

Seq Number: **36120**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-8-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-003	Date Collected: May-22-07 10:45	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B				Prep Method: SW5030B			
Date Analyzed: May-26-07 17:59		Analyst: MJL01		Date Prep: May-26-07 08:09		Tech: MJL01	
Seq Number: 36120							
Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-8-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-003	Date Collected: May-22-07 10:45	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-26-07 17:59**

Analyst: **MJL01**

Date Prep: **May-26-07 08:09**

Tech: **MJL01**

Seq Number: **36120**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

MM17



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-9-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-004	Date Collected: May-22-07 12:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-26-07 09:49	Analyst: MJL01	Date Prep: May-26-07 08:09	Tech: MJL01
Seq Number: 36120			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: **PR-DPT-9-S**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12050-004**

Date Collected: **May-22-07 12:00**

Date Received: **May-24-07 10:55**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-26-07 09:49**

Analyst: **MJL01**

Date Prep: **May-26-07 08:09**

Tech: **MJL01**

Seq Number: **36120**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

AMLS



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-9-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-005	Date Collected: May-22-07 12:30	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-26-07 18:27	Analyst: MJL01	Date Prep: May-26-07 08:09	Tech: MJL01
Seq Number: 36120			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **PR-DPT-9-D**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12050-005**

Date Collected: **May-22-07 12:30**

Date Received: **May-24-07 10:55**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-26-07 18:27**

Analyst: **MJL01**

Date Prep: **May-26-07 08:09**

Tech: **MJL01**

Seq Number: **36120**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

ANZ1



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-10-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-006	Date Collected: May-22-07 13:45	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 13:26	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **PR-DPT-10-S**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12050-006**

Date Collected: **May-22-07 13:45**

Date Received: **May-24-07 10:55**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 13:26**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	3.0	1.0	0.19	ug/L		1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-10-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-007	Date Collected: May-22-07 14:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 13:53	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **PR-DPT-10-D**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12050-007**

Date Collected: **May-22-07 14:00**

Date Received: **May-24-07 10:55**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 13:53**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-7-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-008	Date Collected: May-22-07 10:45	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 10:45	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-7-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-008	Date Collected: May-22-07 10:45	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 10:45**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-7-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-009	Date Collected: May-22-07 15:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 11:11	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-7-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-009	Date Collected: May-22-07 15:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 11:11**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

0029



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-23-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-010	Date Collected: May-23-07 08:45	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 14:47	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-23-S

Matrix: WATER

% Moisture:

Lab Sample Id: 12050-010

Date Collected: May-23-07 08:45

Date Received: May-24-07 10:55

Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: May-27-07 14:47

Analyst: MJL01

Date Prep: May-27-07 09:08

Tech: MJL01

Seq Number: 36132

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-23-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-011	Date Collected: May-23-07 09:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 15:14	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-23-D

Matrix: WATER

% Moisture:

Lab Sample Id: 12050-011

Date Collected: May-23-07 09:00

Date Received: May-24-07 10:55

Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: May-27-07 15:14

Analyst: MJL01

Date Prep: May-27-07 09:08

Tech: MJL01

Seq Number: 36132

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-12-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-012	Date Collected: May-23-07 09:10	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 15:42	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-12-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-012	Date Collected: May-23-07 09:10	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 15:42**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-12-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-013	Date Collected: May-23-07 09:20	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 16:10	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-12-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-013	Date Collected: May-23-07 09:20	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 16:10	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-13-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-014	Date Collected: May-23-07 10:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 16:37	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-13-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-014	Date Collected: May-23-07 10:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 16:37**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-13-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-015	Date Collected: May-23-07 10:10	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 17:05	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **PR-DPT-13-D**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12050-015**

Date Collected: **May-23-07 10:10**

Date Received: **May-24-07 10:55**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 17:05**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

MMI



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-6-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-016	Date Collected: May-23-07 10:30	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 18:00	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-6-S

Matrix: WATER

% Moisture:

Lab Sample Id: 12050-016

Date Collected: May-23-07 10:30

Date Received: May-24-07 10:55

Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: May-27-07 18:00

Analyst: MJL01

Date Prep: May-27-07 09:08

Tech: MJL01

Seq Number: 36132

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-6-D		Matrix: WATER		% Moisture:			
Lab Sample Id: 12050-017		Date Collected: May-23-07 10:40		Date Received: May-24-07 10:55			
Sample Depth:							
Analytical Method: USACE VOCs by SW8260B				Prep Method: SW5030B			
Date Analyzed: May-27-07 18:28		Analyst: MJL01		Date Prep: May-27-07 09:08			
Seq Number: 36132		Tech: MJL01					
Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	18	1.0	0.16	ug/L		1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **PR-DPT-6-D**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12050-017**

Date Collected: **May-23-07 10:40**

Date Received: **May-24-07 10:55**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 18:28**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	6.8	1.0	0.19	ug/L		1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	3.2	2.0	0.51	ug/L		1
Naphthalene	91-20-3	45	1.0	0.22	ug/L		1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	6.3	1.0	0.20	ug/L		1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	0.72	1.0	0.14	ug/L	J	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-1-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-018	Date Collected: May-23-07 12:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-29-07 16:17	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-1-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-018	Date Collected: May-23-07 12:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-29-07 16:17	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-1D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-019	Date Collected: May-23-07 12:15	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 19:23	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	9.3	1.0	0.16	ug/L		1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-1D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-019	Date Collected: May-23-07 12:15	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 19:23**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	7.6	1.0	0.19	ug/L		1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	2.0	1.0	0.15	ug/L		1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	2.1	2.0	0.51	ug/L		1
Naphthalene	91-20-3	950	1.0	0.22	ug/L		1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	5.7	1.0	0.20	ug/L		1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	1.8	1.0	0.14	ug/L		1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-2-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-020	Date Collected: May-23-07 12:20	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 19:50	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-2-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-020	Date Collected: May-23-07 12:20	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 19:50**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	42	1.0	0.22	ug/L		1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-2-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-021	Date Collected: May-23-07 12:30	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 20:18	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: **PR-DPT-2-D**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12050-021**

Date Collected: **May-23-07 12:30**

Date Received: **May-24-07 10:55**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 20:18**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	74	1.0	0.22	ug/L		1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-3-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-022	Date Collected: May-23-07 13:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 20:45	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	13	5.0	0.35	ug/L		1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-3-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-022	Date Collected: May-23-07 13:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 20:45**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	6.4	1.0	0.22	ug/L		1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-3-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-023	Date Collected: May-23-07 13:15	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW8260LL5	
Date Analyzed: May-29-07 12:11	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-3-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-023	Date Collected: May-23-07 13:15	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW8260LL5**

Date Analyzed: **May-29-07 12:11**

Analyst: **MJL01**

Date Prep: **May-29-07 07:50**

Tech: **MJL01**

Seq Number: **36193**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-4-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-024	Date Collected: May-23-07 13:30	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW8260LL5**

Date Analyzed: **May-29-07 12:39**

Analyst: **MJL01**

Date Prep: **May-29-07 07:50**

Tech: **MJL01**

Seq Number: **36193**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **PR-DPT-4-S**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12050-024**

Date Collected: **May-23-07 13:30**

Date Received: **May-24-07 10:55**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW8260LL5**

Date Analyzed: **May-29-07 12:39**

Analyst: **MJL01**

Date Prep: **May-29-07 07:50**

Tech: **MJL01**

Seq Number: **36193**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	20	1.0	0.22	ug/L		1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-4-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-025	Date Collected: May-23-07 13:45	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW8260LL5	
Date Analyzed: May-29-07 09:30	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: **PR-DPT-4-D**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12050-025**

Date Collected: **May-23-07 13:45**

Date Received: **May-24-07 10:55**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW8260LL5**

Date Analyzed: **May-29-07 09:30**

Analyst: **MJL01**

Date Prep: **May-29-07 07:50**

Tech: **MJL01**

Seq Number: **36193**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-5-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-026	Date Collected: May-23-07 14:20	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW8260LL5	
Date Analyzed: May-29-07 13:06	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-5-S
Lab Sample Id: 12050-026
Sample Depth:

Matrix: WATER
Date Collected: May-23-07 14:20

% Moisture:
Date Received: May-24-07 10:55

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW8260LL5

Date Analyzed: May-29-07 13:06

Analyst: MJL01

Date Prep: May-29-07 07:50

Tech: MJL01

Seq Number: 36193

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-5-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-027	Date Collected: May-23-07 14:30	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW8260LL5	
Date Analyzed: May-29-07 13:33	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-5-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-027	Date Collected: May-23-07 14:30	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW8260LL5

Date Analyzed: May-29-07 13:33

Analyst: MJL01

Date Prep: May-29-07 07:50

Tech: MJL01

Seq Number: 36193

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

ANALYSIS



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-17-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-028	Date Collected: May-23-07 14:50	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW8260LL5	
Date Analyzed: May-29-07 14:00	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-17-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-028	Date Collected: May-23-07 14:50	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW8260LL5	
Date Analyzed: May-29-07 14:00	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-17D	Matrix: WATER	% Moisture:
Lab Sample Id: 12050-029	Date Collected: May-23-07 15:00	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW8260LL5	
Date Analyzed: May-29-07 14:27	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: **PR-DPT-17D**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12050-029**

Date Collected: **May-23-07 15:00**

Date Received: **May-24-07 10:55**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW8260LL5**

Date Analyzed: **May-29-07 14:27**

Analyst: **MJL01**

Date Prep: **May-29-07 07:50**

Tech: **MJL01**

Seq Number: **36193**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: 302764 BLK		Matrix: WATER		% Moisture:			
Lab Sample Id: 302764 BLK		Date Collected:		Date Received:			
Sample Depth:							
Analytical Method: USACE VOCs by SW8260B				Prep Method: SW5030B			
Date Analyzed: May-26-07 09:23		Analyst: MJL01		Date Prep: May-26-07 08:09			
		Seq Number: 36120		Tech: MJL01			
Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: 302764 BLK
Lab Sample Id: 302764 BLK
Sample Depth:

Matrix: WATER
Date Collected:

% Moisture:
Date Received:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: May-26-07 09:23

Analyst: MJL01

Date Prep: May-26-07 08:09

Tech: MJL01

Seq Number: 36120

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Diisopropyl Ether	108-20-3	BRL	1.0	0.080	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

AM/L



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: 302767 BLK	Matrix: WATER	% Moisture:
Lab Sample Id: 302767 BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-27-07 10:19	Analyst: MJL01	Date Prep: May-27-07 09:08	Tech: MJL01
Seq Number: 36132			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **302767 BLK**
Lab Sample Id: **302767 BLK**
Sample Depth:

Matrix: **WATER**
Date Collected:

% Moisture:
Date Received:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-27-07 10:19**

Analyst: **MJL01**

Date Prep: **May-27-07 09:08**

Tech: **MJL01**

Seq Number: **36132**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Diisopropyl Ether	108-20-3	BRL	1.0	0.080	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

NOTES



Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: 302818 BLK	Matrix: WATER	% Moisture:
Lab Sample Id: 302818 BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW8260LL5	
Date Analyzed: May-29-07 09:03	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12050

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **302818 BLK**
Lab Sample Id: **302818 BLK**
Sample Depth:

Matrix: **WATER**
Date Collected:

% Moisture:
Date Received:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW8260LL5**

Date Analyzed: May-29-07 09:03

Analyst: **MJL01**

Date Prep: May-29-07 07:50

Tech: **MJL01**

Seq Number: 36193

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Diisopropyl Ether	108-20-3	BRL	1.0	0.080	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1

0875



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:12

Work Order #: 12050

Project ID: Task Order 0085

Lab Batch #: 36120

Sample: 12037-008 MD / MD

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	65.4	50.0	131	53-159	
Bromofluorobenzene	53.8	50.0	108	30-186	
Toluene-D8	53.0	50.0	106	83-136	

Lab Batch #: 36120

Sample: 12050-001 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	60.9	50.0	122	53-159	
Bromofluorobenzene	54.4	50.0	109	30-186	
Toluene-D8	53.1	50.0	106	83-136	

Lab Batch #: 36120

Sample: 12050-002 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	57.7	50.0	115	53-159	
Bromofluorobenzene	52.0	50.0	104	30-186	
Toluene-D8	53.4	50.0	107	83-136	

Lab Batch #: 36120

Sample: 12050-003 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	61.6	50.0	123	53-159	
Bromofluorobenzene	53.8	50.0	108	30-186	
Toluene-D8	54.0	50.0	108	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits

4475



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:12

Work Order #: 12050

Project ID: Task Order 0085

Lab Batch #: 36120

Sample: 12050-004 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	54.3	50.0	109	53-159	
Bromofluorobenzene	53.1	50.0	106	30-186	
Toluene-D8	53.8	50.0	108	83-136	

Lab Batch #: 36120

Sample: 12050-005 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	60.3	50.0	121	53-159	
Bromofluorobenzene	54.8	50.0	110	30-186	
Toluene-D8	53.5	50.0	107	83-136	

Lab Batch #: 36120

Sample: 302764 BLK / BLK

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	54.7	50.0	109	65-125	
Bromofluorobenzene	53.8	50.0	108	66-148	
Toluene-D8	53.6	50.0	107	86-127	

Lab Batch #: 36132

Sample: 12050-006 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	59.9	50.0	120	53-159	
Bromofluorobenzene	54.6	50.0	109	30-186	
Toluene-D8	54.2	50.0	108	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits

AM 77



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:12

Work Order #: 12050

Project ID: Task Order 0085

Lab Batch #: 36132

Sample: 12050-007 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	56.9	50.0	114	53-159	
Bromofluorobenzene	54.9	50.0	110	30-186	
Toluene-D8	53.7	50.0	107	83-136	

Lab Batch #: 36132

Sample: 12050-008 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	61.2	50.0	122	53-159	
Bromofluorobenzene	54.6	50.0	109	30-186	
Toluene-D8	54.7	50.0	109	83-136	

Lab Batch #: 36132

Sample: 12050-009 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	67.5	50.0	135	53-159	
Bromofluorobenzene	56.7	50.0	113	30-186	
Toluene-D8	56.1	50.0	112	83-136	

Lab Batch #: 36132

Sample: 12050-010 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.3	50.0	129	53-159	
Bromofluorobenzene	53.5	50.0	107	30-186	
Toluene-D8	54.1	50.0	108	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits

06/15/07



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:12

Work Order #: 12050

Project ID: Task Order 0085

Lab Batch #: 36132

Sample: 12050-011 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	63.4	50.0	127	53-159	
Bromofluorobenzene	54.3	50.0	109	30-186	
Toluene-D8	53.9	50.0	108	83-136	

Lab Batch #: 36132

Sample: 12050-012 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	62.6	50.0	125	53-159	
Bromofluorobenzene	54.8	50.0	110	30-186	
Toluene-D8	54.4	50.0	109	83-136	

Lab Batch #: 36132

Sample: 12050-013 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.6	50.0	129	53-159	
Bromofluorobenzene	54.5	50.0	109	30-186	
Toluene-D8	54.0	50.0	108	83-136	

Lab Batch #: 36132

Sample: 12050-014 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	66.1	50.0	132	53-159	
Bromofluorobenzene	55.4	50.0	111	30-186	
Toluene-D8	54.6	50.0	109	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits

ANAL



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:12

Work Order #: 12050

Project ID: Task Order 0085

Lab Batch #: 36132

Sample: 12050-015 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.6	50.0	129	53-159	
Bromofluorobenzene	53.9	50.0	108	30-186	
Toluene-D8	54.4	50.0	109	83-136	

Lab Batch #: 36132

Sample: 12050-016 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	70.3	50.0	141	53-159	
Bromofluorobenzene	53.2	50.0	106	30-186	
Toluene-D8	51.6	50.0	103	83-136	

Lab Batch #: 36132

Sample: 12050-017 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.2	50.0	128	53-159	
Bromofluorobenzene	55.3	50.0	111	30-186	
Toluene-D8	53.6	50.0	107	83-136	

Lab Batch #: 36132

Sample: 12050-019 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.4	50.0	129	53-159	
Bromofluorobenzene	54.4	50.0	109	30-186	
Toluene-D8	53.9	50.0	108	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits

MMH



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:12

Work Order #: 12050

Project ID: Task Order 0085

Lab Batch #: 36132

Sample: 12050-020 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	63.2	50.0	126	53-159	
Bromofluorobenzene	56.0	50.0	112	30-186	
Toluene-D8	54.2	50.0	108	83-136	

Lab Batch #: 36132

Sample: 12050-021 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	63.8	50.0	128	53-159	
Bromofluorobenzene	55.0	50.0	110	30-186	
Toluene-D8	52.7	50.0	105	83-136	

Lab Batch #: 36132

Sample: 12050-022 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.5	50.0	129	53-159	
Bromofluorobenzene	55.0	50.0	110	30-186	
Toluene-D8	53.9	50.0	108	83-136	

Lab Batch #: 36132

Sample: 302767 BLK / BLK

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	58.7	50.0	117	65-125	
Bromofluorobenzene	53.6	50.0	107	66-148	
Toluene-D8	54.1	50.0	108	86-127	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits

ABBI



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:12

Work Order #: 12050

Project ID: Task Order 0085

Lab Batch #: 36193

Sample: 12050-018 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	57.0	50.0	114	53-159	
Bromofluorobenzene	52.2	50.0	104	30-186	
Toluene-D8	51.2	50.0	102	83-136	

Lab Batch #: 36193

Sample: 12050-023 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	62.5	50.0	125	53-159	
Bromofluorobenzene	54.9	50.0	110	30-186	
Toluene-D8	53.7	50.0	107	83-136	

Lab Batch #: 36193

Sample: 12050-024 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	64.6	50.0	129	53-159	
Bromofluorobenzene	55.3	50.0	111	30-186	
Toluene-D8	52.5	50.0	105	83-136	

Lab Batch #: 36193

Sample: 12050-025 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	58.5	50.0	117	53-159	
Bromofluorobenzene	54.3	50.0	109	30-186	
Toluene-D8	54.1	50.0	108	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits

4442



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:12

Work Order #: 12050

Project ID: Task Order 0085

Lab Batch #: 36193

Sample: 12050-026 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	63.5	50.0	127	53-159	
Bromofluorobenzene	53.0	50.0	106	30-186	
Toluene-D8	53.3	50.0	107	83-136	

Lab Batch #: 36193

Sample: 12050-027 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.3	50.0	129	53-159	
Bromofluorobenzene	54.3	50.0	109	30-186	
Toluene-D8	53.8	50.0	108	83-136	

Lab Batch #: 36193

Sample: 12050-028 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	66.5	50.0	133	53-159	
Bromofluorobenzene	52.5	50.0	105	30-186	
Toluene-D8	53.5	50.0	107	83-136	

Lab Batch #: 36193

Sample: 12050-029 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	65.2	50.0	130	53-159	
Bromofluorobenzene	54.2	50.0	108	30-186	
Toluene-D8	52.7	50.0	105	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits

NNHLS



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:12

Work Order #: 12050

Project ID: Task Order 0085

Lab Batch #: 36193

Sample: 302818 BLK / BLK

Batch: 1 Matrix: W

Units: ug/L

VOCs by SW8260B		SURROGATE RECOVERY STUDY			
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	58.9	50.0	118	65-125	
Bromofluorobenzene	56.6	50.0	113	66-148	
Toluene-D8	53.1	50.0	106	86-127	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits

11114



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/07/07 17:46

Work Order #: 12050

Project ID:

Task Order 0085

Lab Batch #: 36120

Sample: 302764 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1,1,2-Tetrachloroethane	<0.24	50	47	94	70-130	
1,1,1-Trichloroethane	<0.16	50	50	100	70-130	
1,1,2,2-Tetrachloroethane	<0.18	50	41	82	70-130	
1,1,2-Trichloroethane	<0.25	50	43	86	70-130	
1,1-Dichloroethane	<0.11	50	47	94	70-130	
1,1-Dichloroethene	<0.20	50	45	90	74-127	
1,1-Dichloropropene	<0.10	50	49	98	70-130	
1,2,3-Trichlorobenzene	<0.25	50	46	92	70-130	
1,2,3-Trichloropropane	<0.21	50	43	86	70-130	
1,2,4-Trichlorobenzene	<0.17	50	47	94	70-130	
1,2,4-Trimethylbenzene	<0.14	50	48	96	70-130	
1,2-Dibromo-3-chloropropane	<0.19	50	44	88	70-130	
1,2-Dibromoethane	<0.18	50	44	88	70-130	
1,2-Dichlorobenzene	<0.14	50	45	90	70-130	
1,2-Dichloroethane	<0.18	50	49	98	70-130	
1,2-Dichloropropane	<0.15	50	44	88	70-130	
1,3,5-Trimethylbenzene	<0.17	50	49	98	70-130	
1,3-Dichlorobenzene	<0.17	50	46	92	70-130	
1,3-Dichloropropane	<0.19	50	45	90	70-130	
1,4-Dichlorobenzene	<0.17	50	46	92	70-130	
2,2-Dichloropropane	<0.21	50	53	106	70-130	
2-Butanone	<0.28	100	74	74	70-130	
2-Chlorotoluene	<0.19	50	48	96	70-130	
2-Hexanone	<0.32	100	76	76	70-130	
4-Chlorotoluene	<0.13	50	47	94	70-130	
4-Methyl-2-pentanone	<0.26	100	81	81	70-130	
Acetone	<0.35	100	96	96	70-130	
Acrolein	<6.6	100	95	95	70-130	
Acrylonitrile	<0.49	100	79	79	70-130	
Benzene	<0.16	50	46	92	72-122	
Bromobenzene	<0.21	50	44	88	70-130	
Bromochloromethane	<0.20	50	44	88	70-130	
Bromodichloromethane	<0.25	50	46	92	70-130	
Bromoform	<0.17	50	41	82	70-130	

Blank Spike Recovery $[D] = 100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

APR 7



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/07/07 17:46

Project ID:

Task Order 0085

Work Order #: 12050

Lab Batch #: 36120

Sample: 302764 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Bromomethane	<0.25	50	46	92	70-130	
Carbon disulfide	<0.26	50	48	96	70-130	
Carbon Tetrachloride	<0.33	50	51	102	70-130	
Chlorobenzene	<0.15	50	46	92	74-122	
Chloroethane	<0.26	50	48	96	70-130	
Chloroform	<0.16	50	48	96	70-130	
Chloromethane	<0.25	50	40	80	70-130	
cis-1,2-Dichloroethene	<0.21	50	42	84	70-130	
cis-1,3-Dichloropropene	<0.10	50	42	84	70-130	
Dibromochloromethane	<0.15	50	47	94	70-130	
Dibromomethane	<0.24	50	45	90	70-130	
Dichlorodifluoromethane	<0.22	50	40	80	70-130	
Ethylbenzene	<0.19	50	49	98	70-130	
Hexachlorobutadiene	<0.13	50	49	98	70-130	
Isopropylbenzene	<0.15	50	44	88	70-130	
Methylene Chloride	<0.42	50	92	184	70-130	Z
Methyl tert-Butyl Ether	<0.11	100	86	86	70-130	
m-Xylene/p-Xylene	<0.51	100	96	96	70-130	
Naphthalene	<0.22	50	41	82	70-130	
n-Butylbenzene	<0.17	50	48	96	70-130	
n-Propylbenzene	<0.18	50	48	96	70-130	
o-Xylene	<0.20	50	49	98	70-130	
Sec-Butylbenzene	<0.21	50	48	96	70-130	
Styrene	<0.18	50	50	100	70-130	
tert-Butylbenzene	<0.18	50	44	88	70-130	
Tetrachloroethene	<0.16	50	48	96	70-130	
Toluene	<0.14	50	48	96	77-121	
trans-1,2-Dichloroethene	<0.21	50	49	98	70-130	
trans-1,3-Dichloropropene	<0.11	50	47	94	70-130	
Trichloroethene	<0.19	50	47	94	66-119	
Trichlorofluoromethane	<0.53	50	48	96	70-130	
Vinyl acetate	<1.3	50	40	80	70-130	
Vinyl chloride	<0.19	50	44	88	70-130	

Blank Spike Recovery $[D] = 100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

ANALYST



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/07/07 17:46

Work Order #: 12050

Project ID:

Task Order 0085

Lab Batch #: 36132

Sample: 302767 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1,1,2-Tetrachloroethane	<0.24	50	47	94	70-130	
1,1,1-Trichloroethane	<0.16	50	51	102	70-130	
1,1,2,2-Tetrachloroethane	<0.18	50	41	82	70-130	
1,1,2-Trichloroethane	<0.25	50	43	86	70-130	
1,1-Dichloroethane	<0.11	50	47	94	70-130	
1,1-Dichloroethene	<0.20	50	46	92	74-127	
1,1-Dichloropropene	<0.10	50	49	98	70-130	
1,2,3-Trichlorobenzene	<0.25	50	47	94	70-130	
1,2,3-Trichloropropane	<0.21	50	44	88	70-130	
1,2,4-Trichlorobenzene	<0.17	50	48	96	70-130	
1,2,4-Trimethylbenzene	<0.14	50	48	96	70-130	
1,2-Dibromo-3-chloropropane	<0.19	50	42	84	70-130	
1,2-Dibromoethane	<0.18	50	43	86	70-130	
1,2-Dichlorobenzene	<0.14	50	45	90	70-130	
1,2-Dichloroethane	<0.18	50	52	104	70-130	
1,2-Dichloropropane	<0.15	50	45	90	70-130	
1,3,5-Trimethylbenzene	<0.17	50	50	100	70-130	
1,3-Dichlorobenzene	<0.17	50	46	92	70-130	
1,3-Dichloropropane	<0.19	50	46	92	70-130	
1,4-Dichlorobenzene	<0.17	50	46	92	70-130	
2,2-Dichloropropane	<0.21	50	52	104	70-130	
2-Butanone	<0.28	100	76	76	70-130	
2-Chlorotoluene	<0.19	50	47	94	70-130	
2-Hexanone	<0.32	100	78	78	70-130	
4-Chlorotoluene	<0.13	50	47	94	70-130	
4-Methyl-2-pentanone	<0.26	100	82	82	70-130	
Acetone	<0.35	100	93	93	70-130	
Acrolein	<6.6	100	93	93	70-130	
Acrylonitrile	<0.49	100	80	80	70-130	
Benzene	<0.16	50	46	92	72-122	
Bromobenzene	<0.21	50	45	90	70-130	
Bromochloromethane	<0.20	50	43	86	70-130	
Bromodichloromethane	<0.25	50	47	94	70-130	
Bromoform	<0.17	50	41	82	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

AMR ?



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/07/07 17:46

Work Order #: 12050

Project ID:

Task Order 0085

Lab Batch #: 36132

Sample: 302767 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Bromomethane	<0.25	50	47	94	70-130	
Carbon disulfide	<0.26	50	48	96	70-130	
Carbon Tetrachloride	<0.33	50	51	102	70-130	
Chlorobenzene	<0.15	50	46	92	74-122	
Chloroethane	<0.26	50	46	92	70-130	
Chloroform	<0.16	50	48	96	70-130	
Chloromethane	<0.25	50	42	84	70-130	
cis-1,2-Dichloroethene	<0.21	50	42	84	70-130	
cis-1,3-Dichloropropene	<0.10	50	43	86	70-130	
Dibromochloromethane	<0.15	50	47	94	70-130	
Dibromomethane	<0.24	50	46	92	70-130	
Dichlorodifluoromethane	<0.22	50	49	98	70-130	
Ethylbenzene	<0.19	50	49	98	70-130	
Hexachlorobutadiene	<0.13	50	49	98	70-130	
Isopropylbenzene	<0.15	50	44	88	70-130	
Methylene Chloride	<0.42	50	92	184	70-130	Z
Methyl tert-Butyl Ether	<0.11	100	87	87	70-130	
m-Xylene/p-Xylene	<0.51	100	96	96	70-130	
Naphthalene	<0.22	50	42	84	70-130	
n-Butylbenzene	<0.17	50	48	96	70-130	
n-Propylbenzene	<0.18	50	48	96	70-130	
o-Xylene	<0.20	50	50	100	70-130	
Sec-Butylbenzene	<0.21	50	48	96	70-130	
Styrene	<0.18	50	50	100	70-130	
tert-Butylbenzene	<0.18	50	44	88	70-130	
Tetrachloroethene	<0.16	50	49	98	70-130	
Toluene	<0.14	50	48	96	77-121	
trans-1,2-Dichloroethene	<0.21	50	49	98	70-130	
trans-1,3-Dichloropropene	<0.11	50	48	96	70-130	
Trichloroethene	<0.19	50	47	94	66-119	
Trichlorofluoromethane	<0.53	50	50	100	70-130	
Vinyl acetate	<1.3	50	40	80	70-130	
Vinyl chloride	<0.19	50	47	94	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

0000



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/07/07 17:46

Work Order #: 12050

Project ID:

Task Order 0085

Lab Batch #: 36193

Sample: 302818 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1,1,2-Tetrachloroethane	<0.24	50	49	98	70-130	
1,1,1-Trichloroethane	<0.16	50	54	108	70-130	
1,1,2,2-Tetrachloroethane	<0.18	50	44	88	70-130	
1,1,2-Trichloroethane	<0.25	50	46	92	70-130	
1,1-Dichloroethane	<0.11	50	49	98	70-130	
1,1-Dichloroethene	<0.20	50	48	96	74-127	
1,1-Dichloropropene	<0.10	50	51	102	70-130	
1,2,3-Trichlorobenzene	<0.25	50	50	100	70-130	
1,2,3-Trichloropropane	<0.21	50	37	74	70-130	
1,2,4-Trichlorobenzene	<0.17	50	51	102	70-130	
1,2,4-Trimethylbenzene	<0.14	50	50	100	70-130	
1,2-Dibromo-3-chloropropane	<0.19	50	48	96	70-130	
1,2-Dibromoethane	<0.18	50	47	94	70-130	
1,2-Dichlorobenzene	<0.14	50	48	96	70-130	
1,2-Dichloroethane	<0.18	50	56	112	70-130	
1,2-Dichloropropane	<0.15	50	48	96	70-130	
1,3,5-Trimethylbenzene	<0.17	50	51	102	70-130	
1,3-Dichlorobenzene	<0.17	50	48	96	70-130	
1,3-Dichloropropane	<0.19	50	48	96	70-130	
1,4-Dichlorobenzene	<0.17	50	48	96	70-130	
2,2-Dichloropropane	<0.21	50	57	114	70-130	
2-Butanone	<0.28	100	81	81	70-130	
2-Chlorotoluene	<0.19	50	48	96	70-130	
2-Hexanone	<0.32	100	84	84	70-130	
4-Chlorotoluene	<0.13	50	49	98	70-130	
4-Isopropyltoluene	<0.13	50	50	100	70-130	
4-Methyl-2-pentanone	<0.26	100	92	92	70-130	
Acetone	<0.35	100	100	100	70-130	
Acrolein	<6.6	100	120	120	70-130	
Acrylonitrile	<0.49	100	92	92	70-130	
Benzene	<0.16	50	49	98	72-122	
Bromobenzene	<0.21	50	46	92	70-130	
Bromochloromethane	<0.20	50	48	96	70-130	
Bromodichloromethane	<0.25	50	51	102	70-130	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

ANR9



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/07/07 17:46

Work Order #: 12050

Project ID:

Task Order 0085

Lab Batch #: 36193

Sample: 302818 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Bromoform	<0.17	50	43	86	70-130	
Bromomethane	<0.25	50	49	98	70-130	
Carbon disulfide	<0.26	50	49	98	70-130	
Carbon Tetrachloride	<0.33	50	53	106	70-130	
Chlorobenzene	<0.15	50	49	98	74-122	
Chloroethane	<0.26	50	50	100	70-130	
Chloroform	<0.16	50	51	102	70-130	
Chloromethane	<0.25	50	43	86	70-130	
cis-1,2-Dichloroethene	<0.21	50	44	88	70-130	
cis-1,3-Dichloropropene	<0.10	50	47	94	70-130	
Dibromochloromethane	<0.15	50	51	102	70-130	
Dibromomethane	<0.24	50	50	100	70-130	
Dichlorodifluoromethane	<0.22	50	49	98	70-130	
Ethylbenzene	<0.19	50	51	102	70-130	
Hexachlorobutadiene	<0.13	50	52	104	70-130	
Isopropylbenzene	<0.15	50	45	90	70-130	
Methylene Chloride	<0.42	50	95	190	70-130	Z
Methyl tert-Butyl Ether	<0.11	100	95	95	70-130	
m-Xylene/p-Xylene	<0.51	100	100	100	70-130	
Naphthalene	<0.22	50	46	92	70-130	
n-Butylbenzene	<0.17	50	50	100	70-130	
n-Propylbenzene	<0.18	50	49	98	70-130	
o-Xylene	<0.20	50	52	104	70-130	
Sec-Butylbenzene	<0.21	50	50	100	70-130	
Styrene	<0.18	50	53	106	70-130	
tert-Butylbenzene	<0.18	50	45	90	70-130	
Tetrachloroethene	<0.16	50	50	100	70-130	
Toluene	<0.14	50	49	98	77-121	
trans-1,2-Dichloroethene	<0.21	50	49	98	70-130	
trans-1,3-Dichloropropene	<0.11	50	50	100	70-130	
Trichloroethene	<0.19	50	49	98	66-119	
Trichlorofluoromethane	<0.53	50	54	108	70-130	
Vinyl acetate	<1.3	50	44	88	70-130	
Vinyl chloride	<0.19	50	47	94	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

NR44



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/07/07 17:46

Project ID: Task Order 0085

Work Order #: 12050

Lab Batch ID: 36120

Reporting Units: ug/L

QC- Sample ID: 12050-004 MS

Batch #: 1

Matrix: W

Reporting Units: ug/L	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
VOCs by SW8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1,1,2-Tetrachloroethane	<0.24	50	47	94	50	49	98	4	70-130	20	
1,1,1-Trichloroethane	<0.16	50	50	100	50	51	102	2	70-130	20	
1,1,2,2-Tetrachloroethane	<0.18	50	44	88	50	49	98	11	70-130	20	
1,1,2-Trichloroethane	<0.25	50	45	90	50	48	96	6	70-130	20	
1,1-Dichloroethane	<0.11	50	47	94	50	48	96	2	70-130	20	
1,1-Dichloroethene	<0.20	50	46	92	50	47	94	2	70-135	20	
1,1-Dichloropropene	<0.10	50	48	96	50	52	104	8	70-130	20	
1,2,3-Trichlorobenzene	<0.25	50	50	100	50	53	106	6	70-130	20	
1,2,3-Trichloropropane	<0.21	50	47	94	50	53	106	12	70-130	20	
1,2,4-Trichlorobenzene	<0.17	50	50	100	50	53	106	6	70-130	20	
1,2,4-Trimethylbenzene	<0.14	50	49	98	50	51	102	4	70-130	20	
1,2-Dibromo-3-chloropropane	<0.19	50	48	96	50	53	106	10	70-130	20	
1,2-Dibromoethane	<0.18	50	46	92	50	51	102	10	70-130	20	
1,2-Dichlorobenzene	<0.14	50	47	94	50	49	98	4	70-130	20	
1,2-Dichloroethane	<0.18	50	49	98	50	54	108	10	70-130	20	
1,2-Dichloropropane	<0.15	50	46	92	50	48	96	4	70-130	20	
1,3,5-Trimethylbenzene	<0.17	50	49	98	50	52	104	6	70-130	20	
1,3-Dichlorobenzene	<0.17	50	48	96	50	50	100	4	70-130	20	
1,3-Dichloropropane	<0.19	50	47	94	50	51	102	8	70-130	20	
1,4-Dichlorobenzene	<0.17	50	46	92	50	50	100	8	70-130	20	
2,2-Dichloropropane	<0.21	50	53	106	50	54	108	2	70-130	20	
2-Butanone	<0.28	100	85	85	100	98	98	14	70-130	20	
2-Chlorotoluene	<0.19	50	48	96	50	49	98	2	70-130	20	
2-Methanone	<0.32	100	84	84	100	96	96	13	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/07/07 17:46

Project ID: Task Order 0085

Work Order #: 12050

Lab Batch ID: 36120

Reporting Units: ug/L

QC-Sample ID: 12050-004 MS

Batch #: 1

Matrix: W

VOCs by SW8260B		Parent Sample Result [A]	Spike Added [B]	Spike Sample Result [C]	Spike Sample %R [D]	Spike Added [E]	Duplicate Spike Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
4-Chlorotoluene		<0.13	50	48	96	50	50	100	4	70-130	20	
4-Isopropyltoluene		<0.13	50	49	98	50	51	102	4	70-130	20	
4-Methyl-2-pentanone		<0.26	100	89	89	100	100	100	12	70-130	20	
Acetone		<0.35	100	100	100	100	110	110	10	70-130	20	
Acrolein		<6.6	100	110	110	100	110	110	0	70-130	20	
Acrylonitrile		<0.49	100	87	87	100	96	96	10	70-130	20	
Benzene		<0.16	50	46	92	50	49	98	6	72-128	20	
Bromobenzene		<0.21	50	46	92	50	49	98	6	70-130	20	
Bromochloromethane		<0.20	50	44	88	50	48	96	9	70-130	20	
Bromodichloromethane		<0.25	50	48	96	50	50	100	4	70-130	20	
Bromoform		<0.17	50	44	88	50	49	98	11	70-130	20	
Bromomethane		<0.25	50	42	84	50	42	84	0	70-130	20	
Carbon disulfide		<0.26	50	46	92	50	47	94	2	70-130	20	
Carbon Tetrachloride		<0.33	50	49	98	50	51	102	4	70-130	20	
Chlorobenzene		<0.15	50	47	94	50	49	98	4	77-121	20	
Chloroethane		<0.26	50	47	94	50	48	96	2	70-130	20	
Chloroform		<0.16	50	46	92	50	48	96	4	70-130	20	
Chloromethane		<0.25	50	40	80	50	41	82	2	70-130	20	
cis-1,2-Dichloroethene		<0.21	50	43	86	50	46	92	7	70-130	20	
cis-1,3-Dichloropropene		<0.10	50	45	90	50	46	92	2	70-130	20	
Dibromochloromethane		<0.15	50	49	98	50	52	104	6	70-130	20	
Dibromomethane		<0.24	50	48	96	50	52	104	8	70-130	20	
Dichlorodifluoromethane		<0.22	50	39	78	50	40	80	3	70-130	20	
Ethylbenzene		<0.19	50	49	98	50	51	102	4	70-130	20	

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot (D-G)/(D+G)$

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/07/07 17:46

Project ID: Task Order 0085

Work Order #: 12050

Lab Batch ID: 36120

Reporting Units: ug/L

QC- Sample ID: 12050-004 MS

Batch #: 1 Matrix: W

VOCs by SW8260B													
Analytes													
Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag			
Hexachlorobutadiene	<0.13	50	100	50	52	104	4	70-130	20				
Isopropylbenzene	<0.15	50	88	50	46	92	4	70-130	20				
Methylene Chloride	<0.42	50	180	50	48	96	61	70-130	20	ZF			
Methyl tert-Butyl Ether	<0.11	100	92	100	100	100	8	70-130	20				
m-Xylene/p-Xylene	<0.51	100	96	100	100	100	4	70-130	20				
Naphthalene	<0.22	50	96	50	52	104	8	70-130	20				
n-Butylbenzene	<0.17	50	96	50	50	100	4	70-130	20				
n-Propylbenzene	<0.18	50	96	50	50	100	4	70-130	20				
o-Xylene	<0.20	50	100	50	53	106	6	70-130	20				
Sec-Butylbenzene	<0.21	50	96	50	51	102	6	70-130	20				
Styrene	<0.18	50	102	50	54	108	6	70-130	20				
tert-Butylbenzene	<0.18	50	88	50	46	92	4	70-130	20				
Tetrachloroethene	<0.16	50	98	50	51	102	4	70-130	20				
Toluene	<0.14	50	96	50	50	100	4	76-124	20				
trans-1,2-Dichloroethene	<0.21	50	96	50	49	98	2	70-130	20				
trans-1,3-Dichloropropene	<0.11	50	98	50	53	106	8	70-130	20				
Trichloroethene	<0.19	50	94	50	49	98	4	68-125	20				
Trichlorofluoromethane	<0.53	50	92	50	48	96	4	70-130	20				
Vinyl acetate	<1.3	50	84	50	44	88	5	70-130	20				
Vinyl chloride	<0.19	50	88	50	44	88	0	70-130	20				



Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times (D-G)/(D+G)$

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/07/07 17:46

Project ID: Task Order 0085

Work Order #: 12050

Lab Batch ID: 36132

Reporting Units: ug/L

QC- Sample ID: 12050-009 MS

Batch #: 1

Matrix: W

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY												
VOCs by SW8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sampl Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sampl Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag	
	1,1,1,2-Tetrachloroethane	<0.24	50	47	94	50	47	94	0	70-130	20	
	1,1,1-Trichloroethane	<0.16	50	49	98	50	52	104	6	70-130	20	
	1,1,2,2-Tetrachloroethane	<0.18	50	47	94	50	46	92	2	70-130	20	
	1,1,2-Trichloroethane	<0.25	50	45	90	50	45	90	0	70-130	20	
	1,1-Dichloroethane	<0.11	50	47	94	50	48	96	2	70-130	20	
	1,1-Dichloroethene	<0.20	50	46	92	50	47	94	2	70-135	20	
	1,1-Dichloropropene	<0.10	50	50	100	50	52	104	4	70-130	20	
	1,2,3-Trichlorobenzene	<0.25	50	52	104	50	51	102	2	70-130	20	
	1,2,3-Trichloropropane	<0.21	50	50	100	50	50	100	0	70-130	20	
	1,2,4-Trichlorobenzene	<0.17	50	51	102	50	51	102	0	70-130	20	
	1,2,4-Trimethylbenzene	<0.14	50	51	102	50	51	102	0	70-130	20	
1,2-Dibromo-3-chloropropane	<0.19	50	53	106	50	51	102	4	70-130	20		
1,2-Dibromoethane	<0.18	50	47	94	50	48	96	2	70-130	20		
1,2-Dichlorobenzene	<0.14	50	48	96	50	48	96	0	70-130	20		
1,2-Dichloroethane	<0.18	50	52	104	50	52	104	0	70-130	20		
1,2-Dichloropropane	<0.15	50	46	92	50	45	90	2	70-130	20		
1,3,5-Trimethylbenzene	<0.17	50	51	102	50	51	102	0	70-130	20		
1,3-Dichlorobenzene	<0.17	50	49	98	50	49	98	0	70-130	20		
1,3-Dichloropropane	<0.19	50	48	96	50	47	94	2	70-130	20		
1,4-Dichlorobenzene	<0.17	50	48	96	50	47	94	2	70-130	20		
2,2-Dichloropropane	<0.21	50	52	104	50	53	106	2	70-130	20		
2-Butanone	<0.28	100	89	89	100	90	90	1	70-130	20		
2-Chlorotoluene	<0.19	50	49	98	50	49	98	0	70-130	20		
2-Methylanone	<0.32	100	93	93	100	91	91	2	70-130	20		

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/07/07 17:46

Project ID: Task Order 0085

Work Order #: 12050

Lab Batch ID: 36132

Reporting Units: ug/L

QC- Sample ID: 12050-009 MS

Batch #: 1

Matrix: W

VOCs by SW8260B		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
4-Chlorotoluene		<0.13	50	49	98	50	49	98	0	70-130	20	
4-Isopropyltoluene		<0.13	50	50	100	50	51	102	2	70-130	20	
4-Methyl-2-pentanone		<0.26	100	96	96	100	97	97	1	70-130	20	
Acetone		<0.35	100	120	120	100	110	110	9	70-130	20	
Acrolein		<6.6	100	89	89	100	91	91	2	70-130	20	
Acrylonitrile		<0.49	100	91	91	100	93	93	2	70-130	20	
Benzene		<0.16	50	48	96	50	48	96	0	72-128	20	
Bromobenzene		<0.21	50	47	94	50	47	94	0	70-130	20	
Bromochloromethane		<0.20	50	46	92	50	45	90	2	70-130	20	
Bromodichloromethane		<0.25	50	48	96	50	49	98	2	70-130	20	
Bromoform		<0.17	50	47	94	50	45	90	4	70-130	20	
Bromomethane		<0.25	50	42	84	50	44	88	5	70-130	20	
Carbon disulfide		<0.26	50	46	92	50	47	94	2	70-130	20	
Carbon Tetrachloride		<0.33	50	50	100	50	51	102	2	70-130	20	
Chlorobenzene		<0.15	50	46	92	50	47	94	2	77-121	20	
Chloroethane		<0.26	50	48	96	50	48	96	0	70-130	20	
Chloroform		<0.16	50	46	92	50	47	94	2	70-130	20	
Chloromethane		<0.25	50	43	86	50	43	86	0	70-130	20	
cis-1,2-Dichloroethene		<0.21	50	44	88	50	44	88	0	70-130	20	
cis-1,3-Dichloropropene		<0.10	50	44	88	50	45	90	2	70-130	20	
Dibromochloromethane		<0.15	50	49	98	50	49	98	0	70-130	20	
Dibromomethane		<0.24	50	49	98	50	49	98	0	70-130	20	
Dichlorodifluoromethane		<0.22	50	47	94	50	48	96	2	70-130	20	
Ethylbenzene		<0.19	50	49	98	50	49	98	0	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

F = RPD exceeded the laboratory control limits



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/07/07 17:46

Project ID: Task Order 0085

Work Order #: 12050

Lab Batch ID: 36132

Reporting Units: ug/L

QC- Sample ID: 12050-009 MS

Batch #: 1

Matrix: W

VOCs by SW8260B Analytes		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachlorobutadiene		<0.13	50	51	102	50	51	102	0	70-130	20	
Isopropylbenzene		<0.15	50	46	92	50	46	92	0	70-130	20	
Methylene Chloride		<0.42	50	46	92	50	47	94	2	70-130	20	
Methyl tert-Butyl Ether		<0.11	100	97	97	100	95	95	2	70-130	20	
m-Xylene/p-Xylene		<0.51	100	96	96	100	98	98	2	70-130	20	
Naphthalene		<0.22	50	50	100	50	50	100	0	70-130	20	
n-Butylbenzene		<0.17	50	50	100	50	51	102	2	70-130	20	
n-Propylbenzene		<0.18	50	50	100	50	50	100	0	70-130	20	
o-Xylene		<0.20	50	51	102	50	51	102	0	70-130	20	
Sec-Butylbenzene		<0.21	50	50	100	50	50	100	0	70-130	20	
Styrene		<0.18	50	51	102	50	51	102	0	70-130	20	
tert-Butylbenzene		<0.18	50	46	92	50	46	92	0	70-130	20	
Tetrachloroethene		<0.16	50	54	108	50	57	114	5	70-130	20	
Toluene		<0.14	50	48	96	50	48	96	0	76-124	20	
trans-1,2-Dichloroethene		<0.21	50	47	94	50	49	98	4	70-130	20	
trans-1,3-Dichloropropene		<0.11	50	50	100	50	48	96	4	70-130	20	
Trichloroethene		<0.19	50	48	96	50	49	98	2	68-125	20	
Trichlorofluoromethane		<0.53	50	48	96	50	50	100	4	70-130	20	
Vinyl acetate		<1.3	50	42	84	50	43	86	2	70-130	20	
Vinyl chloride		<0.19	50	46	92	50	46	92	0	70-130	20	



Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/07/07 17:46

Project ID: Task Order 0085

Work Order #: 12050

Lab Batch ID: 36193

QC- Sample ID: 12050-025 MS

Batch #: 1 Matrix: W

Reporting Units: ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOCs by SW8260B											
Analytes											
	Parent Sample Result [A]	Spike Added [B]	Spike Result [C]	Spike Sample %R [D]	Spike Added [E]	Duplicate Spike Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1,1,2-Tetrachloroethane	<0.24	50	48	96	50	52	104	8	70-130	20	
1,1,1-Trichloroethane	<0.16	50	52	104	50	57	114	9	70-130	20	
1,1,2,2-Tetrachloroethane	<0.18	50	48	96	50	51	102	6	70-130	20	
1,1,2-Trichloroethane	<0.25	50	49	98	50	50	100	2	70-130	20	
1,1-Dichloroethane	<0.11	50	48	96	50	51	102	6	70-130	20	
1,1-Dichloroethene	<0.20	50	48	96	50	49	98	2	70-135	20	
1,1-Dichloropropene	<0.10	50	52	104	50	55	110	6	70-130	20	
1,2,3-Trichlorobenzene	<0.25	50	52	104	50	55	110	6	70-130	20	
1,2,3-Trichloropropene	<0.21	50	53	106	50	56	112	6	70-130	20	
1,2,4-Trichlorobenzene	<0.17	50	51	102	50	55	110	8	70-130	20	
1,2,4-Trimethylbenzene	<0.14	50	49	98	50	54	108	10	70-130	20	
1,2-Dibromo-3-chloropropene	<0.19	50	52	104	50	59	118	13	70-130	20	
1,2-Dibromoethane	<0.18	50	51	102	50	54	108	6	70-130	20	
1,2-Dichlorobenzene	<0.14	50	48	96	50	51	102	6	70-130	20	
1,2-Dichloroethane	<0.18	50	55	110	50	57	114	4	70-130	20	
1,2-Dichloropropene	<0.15	50	46	92	50	49	98	6	70-130	20	
1,3,5-Trimethylbenzene	<0.17	50	50	100	50	54	108	8	70-130	20	
1,3-Dichlorobenzene	<0.17	50	48	96	50	51	102	6	70-130	20	
1,3-Dichloropropene	<0.19	50	50	100	50	53	106	6	70-130	20	
1,4-Dichlorobenzene	<0.17	50	48	96	50	51	102	6	70-130	20	
2,2-Dichloropropene	<0.21	50	54	108	50	57	114	5	70-130	20	
2-Butanone	<0.28	100	100	100	100	100	100	0	70-130	20	
2-Chlorotoluene	<0.19	50	48	96	50	52	104	8	70-130	20	
2-Methanone	<0.32	100	100	100	100	110	110	10	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/07/07 17:46

Project ID: Task Order 0085

Work Order #: 12050

Lab Batch ID: 36193

QC- Sample ID: 12050-025 MS

Batch #: 1 Matrix: W

Reporting Units: ug/L

VOCs by SW8260B Analytes		Parent Sample Result [A]	Spike Added [B]	Spike Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spike Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachlorobutadiene		<0.13	50	50	100	50	55	110	10	70-130	20	
Isopropylbenzene		<0.15	50	45	90	50	49	98	9	70-130	20	
Methylene Chloride		<0.42	50	48	96	50	53	106	10	70-130	20	
Methyl tert-Butyl Ether		<0.11	100	100	100	100	110	110	10	70-130	20	
m-Xylene/p-Xylene		<0.51	100	97	97	100	110	110	13	70-130	20	
Naphthalene		<0.22	50	52	104	50	55	110	6	70-130	20	
n-Butylbenzene		<0.17	50	49	98	50	54	108	10	70-130	20	
n-Propylbenzene		<0.18	50	49	98	50	53	106	8	70-130	20	
o-Xylene		<0.20	50	51	102	50	56	112	9	70-130	20	
Sec-Butylbenzene		<0.21	50	49	98	50	53	106	8	70-130	20	
Styrene		<0.18	50	51	102	50	56	112	9	70-130	20	
tert-Butylbenzene		<0.18	50	45	90	50	49	98	9	70-130	20	
Tetrachloroethene		<0.16	50	53	106	50	57	114	7	70-130	20	
Toluene		<0.14	50	48	96	50	53	106	10	76-124	20	
trans-1,2-Dichloroethene		<0.21	50	48	96	50	52	104	8	70-130	20	
trans-1,3-Dichloropropene		<0.11	50	50	100	50	55	110	10	70-130	20	
Trichloroethene		<0.19	50	48	96	50	52	104	8	68-125	20	
Trichlorofluoromethane		<0.53	50	50	100	50	52	104	4	70-130	20	
Vinyl acetate		<1.3	50	45	90	50	46	92	2	70-130	20	
Vinyl chloride		<0.19	50	45	90	50	48	96	6	70-130	20	



Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times (D-G)/(D+G)$

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$



Sample Duplicate Recovery

Project Name: Hunter Perimeter Sampling

Report Date: 06/07/07 17:46

Work Order #: 12050

Lab Batch #: 36120

Project ID: Task Order 0085

QC- Sample ID: 12037-008 MD

Batch #: 1

Matrix: W

Reporting Units: ug/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
VOCs by SW8260B	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
1,1,1,2-Tetrachloroethane	<0.24	<0.24	NC	20	
1,1,1-Trichloroethane	<0.16	<0.16	NC	20	
1,1,2,2-Tetrachloroethane	<0.18	<0.18	NC	20	
1,1,2-Trichloroethane	<0.25	<0.25	NC	20	
1,1-Dichloroethane	<0.11	<0.11	NC	20	
1,1-Dichloroethene	<0.20	<0.20	NC	20	
1,1-Dichloropropene	<0.10	<0.10	NC	20	
1,2,3-Trichlorobenzene	<0.25	<0.25	NC	20	
1,2,3-Trichloropropane	<0.21	<0.21	NC	20	
1,2,4-Trichlorobenzene	<0.17	<0.17	NC	20	
1,2,4-Trimethylbenzene	<0.14	<0.14	NC	20	
1,2-Dibromo-3-chloropropane	<0.19	<0.19	NC	20	
1,2-Dibromoethane	<0.18	<0.18	NC	20	
1,2-Dichlorobenzene	<0.14	<0.14	NC	20	
1,2-Dichloroethane	<0.18	<0.18	NC	20	
1,2-Dichloropropane	<0.15	<0.15	NC	20	
1,3,5-Trimethylbenzene	<0.17	<0.17	NC	20	
1,3-Dichlorobenzene	<0.17	<0.17	NC	20	
1,3-Dichloropropane	<0.19	<0.19	NC	20	
1,4-Dichlorobenzene	<0.17	<0.17	NC	20	
2,2-Dichloropropane	<0.21	<0.21	NC	20	
2-Butanone	<0.28	<0.28	NC	20	
2-Chlorotoluene	<0.19	<0.19	NC	20	
2-Hexanone	<0.32	<0.32	NC	20	
4-Chlorotoluene	<0.13	<0.13	NC	20	
4-Isopropyltoluene	<0.13	<0.13	NC	20	
4-Methyl-2-pentanone	<0.26	<0.26	NC	20	
Acetone	<0.35	<0.35	NC	20	
Acrolein	<6.6	<6.6	NC	20	
Acrylonitrile	<0.49	<0.49	NC	20	
Benzene	<0.16	<0.16	NC	20	
Bromobenzene	<0.21	<0.21	NC	20	
Bromochloromethane	<0.20	<0.20	NC	20	
Bromodichloromethane	<0.25	<0.25	NC	20	
Bromoform	<0.17	<0.17	NC	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

F = RPD exceeded the laboratory control limits



Sample Duplicate Recovery

Project Name: Hunter Perimeter Sampling

Report Date: 06/07/07 17:46

Work Order #: 12050

Lab Batch #: 36120

Project ID: Task Order 0085

QC- Sample ID: 12037-008 MD

Batch #: 1

Matrix: W

Reporting Units: ug/L

VOCs by SW8260B		SAMPLE / SAMPLE DUPLICATE RECOVERY			
Analyte		Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Bromomethane	<0.25	<0.25	NC	20	
Carbon disulfide	<0.26	<0.26	NC	20	
Carbon Tetrachloride	<0.33	<0.33	NC	20	
Chlorobenzene	<0.15	<0.15	NC	20	
Chloroethane	<0.26	<0.26	NC	20	
Chloroform	<0.16	<0.16	NC	20	
Chloromethane	<0.25	<0.25	NC	20	
cis-1,2-Dichloroethene	<0.21	<0.21	NC	20	
cis-1,3-Dichloropropene	<0.10	<0.10	NC	20	
Dibromochloromethane	<0.15	<0.15	NC	20	
Dibromomethane	<0.24	<0.24	NC	20	
Dichlorodifluoromethane	<0.22	<0.22	NC	20	
Ethylbenzene	<0.19	<0.19	NC	20	
Hexachlorobutadiene	<0.13	<0.13	NC	20	
Isopropylbenzene	<0.15	<0.15	NC	20	
Methylene Chloride	<0.42	<0.42	NC	20	
Methyl tert-Butyl Ether	<0.11	<0.11	NC	20	
m-Xylene/p-Xylene	<0.51	<0.51	NC	20	
Naphthalene	<0.22	<0.22	NC	20	
n-Butylbenzene	<0.17	<0.17	NC	20	
n-Propylbenzene	<0.18	<0.18	NC	20	
o-Xylene	<0.20	<0.20	NC	20	
Sec-Butylbenzene	<0.21	<0.21	NC	20	
Styrene	<0.18	<0.18	NC	20	
tert-Butylbenzene	<0.18	<0.18	NC	20	
Tetrachloroethene	<0.16	<0.16	NC	20	
Toluene	<0.14	<0.14	NC	20	
trans-1,2-Dichloroethene	<0.21	<0.21	NC	20	
trans-1,3-Dichloropropene	<0.11	<0.11	NC	20	
Trichloroethene	<0.19	<0.19	NC	20	
Trichlorofluoromethane	<0.53	<0.53	NC	20	
Vinyl acetate	<1.3	<1.3	NC	20	
Vinyl chloride	<0.19	<0.19	NC	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |

All Results are based on MDL and validated for QC purposes.

F = RPD exceeded the laboratory control limits



Abbreviations and EPA Qualifier Codes used by AAL

- Rep Limit: This abbreviation on our analytical reports is for: Reporting Limit (RL).
- BRL: This abbreviation indicates that the analytical results were Below the Reporting Limit (BRL).
- MDL: The Method Detection Limit (MDL), as defined by 40 CFR Part 136, Appendix B, is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero.
- U: The compound was analyzed for, but not detected above the specified MDL.
- J: This indicates an estimated value. The target analyte is *positively identified*, but the reported numerical result (analyte concentration) is an *estimated* value and the direction of the bias is unknown. The result is above the MDL, but below the RL.
- B: This is used when the analyte is found in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. The flag shall be used for a tentatively identified compound as well as for a positively identified target compound.
- D: This flag indicates that the identified analyte is reported from the dilution analysis.
- E: This identifies compounds whose concentrations exceed the upper level of the linear calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract should be diluted and re-analyzed.
- Note: For Xylenes, Total, where three isomers are quantified as two peaks, the calibration range of each peak is considered separately.*
- X: This qualifier is defined by the laboratory in written case narrative.
- Z: Surrogates/Spikes results are outside the laboratory or method quality control limits.
- ZZ: Surrogates/Spikes results are outside the laboratory or method quality control limits in multiple QC samples.
- ***: Surrogate recoveries were diluted out.
- M: Manual integrations were necessary and an "m" qualifying code is present on the quantitation report next to the analyte.
- N: Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds. (TICs), where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" flag is not used.



Analytical Management Laboratories, Inc.
est. 1993

15130 South Keeler, Olathe, Kansas 66062
Phone: (913) 829-0101 • Fax: (913) 829-1181

June 7, 2007


Mr. Mark S. Harvison
Project Chemist, CESAS-EN-GG
U.S. Army Corps of Engineers, Savannah District
100 W. Oglethorpe Ave.
P. O. Box 889
Savannah, GA 31402
Phone: 912-652-5151
Fax: 912-652-5311

Dear Mr. Harvison:

RE: Hunter Perimeter Well Sampling, Task Order 0085
W912HN-05-D-0013
AML Work Order Number: AAL12049

Attached, please find the hardcopy analytical report (18 total pages) for environmental samples collected by CESAS for the project described above. Problems encountered in the analysis of these samples are documented in the laboratory case narrative. The electronic data deliverables (EDDs) for this report will be e-mailed within a few days of this report. Please feel free to contact me by phone (913-829-0101-ext. 23), fax (913-829-1181) or email (mharris@amlabinc.com) if you have any questions.

Respectfully Submitted,
Analytical Management Laboratories, Inc.



Melania Harris
Project Manager



Multi State Certified



AML Case Narrative

Project:	Hunter Perimeter Well Sampling, Task Order 0085
Your Reference:	W912HN-05-D-0013
Our Reference:	AML Work Order Number: AAL12049

Project and Sample Information

Technical support for the analysis of samples collected for the referenced project was provided by Accura Analytical Laboratory, Inc, 6017 Financial Drive, Norcross, GA 30071. The analytical report prepared by the subcontract laboratory (certified by the State of South Carolina) is attached. Please feel free to contact Mr. David Fuller directly (770-449-8800) if there are any questions on this report.

REVISED 0002



31-MAY-07

Analytical Management Laboratories, Inc.
15130 South Keeler
Olathe, KS 66062
Client Contact: Vis Viswanathan

Reference: Accura Analytical Laboratory, Inc. (AAL) Work Order No: 12049
Project Name :Hunter Perimeter Well Sampling
Project Number: Task Order 0085

Dear Vis Viswanathan :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Chain of Custody(s) Numbered 47463 . All results being reported under this Chain of Custody apply to the samples analyzed and properly identified with an AAL Sample ID number.

All the results for the quality control samples were reviewed. Also, all parameters for data reduction and validation were reviewed. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by AAL. This report will be filed for at least 7 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. 47463 will be filed for 90 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Accura Analytical Laboratory Inc. to serve your analytical needs. If you have any questions concerning this report, please feel free to contact me at any time.

Sincerely,

David Fuller
Project Manager



ACCURA ANALYTICAL LABORATORY, INC. (AAL)

6017 Financial Drive, Norcross, GA 30071, Phone: (770) 449-8800

FL Certification #E87429 • NC Certification #483

SC Certification #98015 • Utah Certification #AALI1

USACE Approved • Navy Certification Code NFESC 413

Case Narrative

AAL Work Order # 12049

Client Project: Hunter Perimeter Well Sampling / Task Order 0085

Accura Analytical Laboratory Inc. certifies that the results meet all requirements of the NELAC Standards.

The data package includes a 1 page case narrative, 1 Chain of Custody page, a 2 page Sample Receipt Checklist, 4 analytical results pages, 1 QC surrogate recovery page, 2 QC Blank Spike / Blank Spike Duplicate recovery pages, 3 QC Matrix Spike / Matrix Spike Duplicate recovery pages, and a list of common EPA qualifier codes and abbreviations used by AAL.

The following items were noted concerning this work order:

VOCs by SW8260B Notations:

1. The pH of the water samples was 7 prior to the VOC analysis.
2. The Laboratory Blank Spike sample recovery for Methylene chloride was outside the laboratory control limits (bias high). The MS/MSD recoveries were within the laboratory control limits and there were no reportable concentrations of this analyte in the samples, so the data was accepted.

Mei Liang
Senior Analyst

May 30, 2007
Date

This Case Narrative & Notations have been generated, reviewed, and edited by:


David C. Fuller
Project Manager

May 31, 2007
Date

SAMPLE RECEIPT CHECKLIST VERSION 6

Client Code: 0153 AAL Project Mgr: DCFClient Project Name: Hunter Perimeter Well Sampling ACCURA Work Order#: 12049

Are there **EnCores** tests with **<48Hr hold times** or **RUSH ANALYSES** requested? ☒ YES ☐ NO
 If YES, you must communicate RUSH analyses to the appropriate analyst(s) immediately!!! / or preserve EnCores (see #16 below)!!!
 Preliminary Examination: Initials: ASu Date received: 5/24/07 Date cooler was opened: _____

1. Did cooler/package come with a shipping slip (airbill, Etc.)? ☒ YES ☐ NO
 If YES, enter carrier name and airbill number here: FedEx
 Describe type of packing in cooler: Bubble Wrap / Ice
 *****If cooler was hand delivered, CIRCLE HERE skip to item #5*****
2. Were custody seals on outside of cooler? ☒ YES ☐ NO
 If YES, how many: 2 seal dated: 5/23/07 seal name: M/H
3. Were custody seals unbroken and intact at the date and time of arrival? YES ☒ NO ☐
4. Were custody papers sealed in a plastic bag to prevent damage to chain of custody? ☒ YES ☐ NO
5. If required, was enough ice used? (Internal cooler temperature, 2°C) ☒ YES ☐ N/A ☐ NO
6. Did you sign custody papers in the appropriate place? ☒ YES ☐ NO
7. Was project identifiable from custody papers? ☒ YES ☐ NO
 If YES, enter project name at the top.

Complete project file with green sheet, proper file tag, and shipping documentation. Line up samples following chain. Complete Container Receipt Verification form (include extra containers for dissolved metals filtrates). Complete login in XENCO and generate AAL ID Labels.

8. Did all containers arrive unbroken and were labels in good condition? ☒ YES ☐ NO
9. Were custody papers filled out properly and did all labels agree with custody papers? ☒ YES ☐ NO
10. Were correct containers and sufficient amount of sample sent for the test indicated? ☒ YES ☐ NO
11. All samples collected within three days of date received for these analyses
 (Reactive Cn & S, Solids in H₂O, Sulfide, Sulfite, IALLI Extractable Organic Waters)? YES ☒ N/A ☐ NO
 If NO, coordinate with the project manager to ensure that no samples go out of hold!!!
12. No residual chlorine found in waters for these analyses:
 (Cyanide, PAH, SVOC, Pesticides, PCB's, Herbicides)? YES ☒ N/A ☐ NO
 Checked by: _____ (Initials)
13. Were samples properly chemically preserved, if required, upon receipt? YES ☐ N/A ☒ NO
 (For example: pH checked for waters for all Metals, Wet Chemistry, Pesticides, PCB's, Herbicides, and VOC/BTEX samples submitted with HCL for waters and in either Encore samplers or NaHSO₄ labeled vials for soils)
 Preservation checked by: _____ (Initials)
14. Were air bubbles (>1/4 inch) absent in VOC/BTEX samples? YES ☐ N/A ☒ NO
 If NO, list ID # on back and label vials with Do Not Use Until Signed by Manager
15. If there are samples for dissolved metals, were they field filtered? YES ☒ N/A ☐ NO
 If NO, list date and time samples were filtered and preserved in lab: _____
16. Were Encore samplers included? YES ☐ NO ☒
17. Does this submittal contain soil NaHSO₄ vials for BTEX/GRO/VOC'S? YES ☐ NO ☒
18. Initials of laboratory personnel responsible for labeling laboratory I.D. numbers on containers: ASu

Keep samples and chain out. Before moving samples to their appropriate location, another person must review the entire project ensuring that information on the AAL ID Barcode label matches the container label, and that all information is consistent with the chain.

Final check and samples logged to locations by: _____ (Initials)

19. Was it necessary to call the assigned project manager in order to proceed with login? YES ☐ NO ☒
20. Who was called? _____ By whom? _____ Date/Time: _____

Project Mgr. Review: ASu (Initials) 5/25/07 (Date)

ACCURA ANALYTICAL LABORATORY, INC.
SAMPLE RECEIPT VARIANCE FORM

Item # Discrepancies Noted:

Lined area for recording discrepancies, crossed out with a large diagonal line.

Item # Actions Taken:

Lined area for recording actions taken, crossed out with a large diagonal line.

Project Mgr. Review: _____ (Initials) _____ (Date)

5/25/07
[Signature]



Certificate of Analytical Results 12049

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Well Sampling

Sample Id: PR-DPT-11-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12049-001	Date Collected: May-22-07 14:15	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-25-07 19:05**

Analyst: **MJL01**

Date Prep: **May-25-07 07:47**

Tech: **MJL01**

Seq Number: **36118**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12049

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Well Sampling

Sample Id: PR-DPT-11-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12049-001	Date Collected: May-22-07 14:15	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-25-07 19:05**

Analyst: **MJL01**

Date Prep: **May-25-07 07:47**

Tech: **MJL01**

Seq Number: **36118**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12049

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Well Sampling

Sample Id: PR-DPT-11-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12049-002	Date Collected: May-22-07 14:30	Date Received: May-24-07 10:55
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-25-07 19:33**

Analyst: **MJL01**

Date Prep: **May-25-07 07:47**

Tech: **MJL01**

Seq Number: **36118**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12049

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Well Sampling

Sample Id: **PR-DPT-11-D** Matrix: **WATER** % Moisture:
Lab Sample Id: **12049-002** Date Collected: **May-22-07 14:30** Date Received: **May-24-07 10:55**
Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-25-07 19:33**

Analyst: **MJL01**

Date Prep: **May-25-07 07:47**

Tech: **MJL01**

Seq Number: **36118**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Well Sampling

Report Date: 05/31/07 12:13

Work Order #: 12049

Project ID: Task Order 0085

Lab Batch #: 36118

Sample: 12049-001 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	55.2	50.0	110	53-159	
Bromofluorobenzene	52.2	50.0	104	30-186	
Toluene-D8	52.5	50.0	105	83-136	

Lab Batch #: 36118

Sample: 12049-002 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	52.6	50.0	105	53-159	
Bromofluorobenzene	51.3	50.0	103	30-186	
Toluene-D8	54.1	50.0	108	83-136	

Lab Batch #: 36118

Sample: 302763 BLK / BLK

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	57.2	50.0	114	65-125	
Bromofluorobenzene	54.7	50.0	109	66-148	
Toluene-D8	54.8	50.0	110	86-127	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits

05/31/07



Blank Spike Recovery

Project Name: Hunter Perimeter Well Sampling

Report Date:

05/31/07 11:57

Project ID:

Task Order 0085

Work Order #: 12049

Lab Batch #: 36118

Sample: 302763 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1,1,2-Tetrachloroethane	<0.24	50	49	98	70-130	
1,1,1-Trichloroethane	<0.16	50	55	110	70-130	
1,1,2,2-Tetrachloroethane	<0.18	50	44	88	70-130	
1,1,2-Trichloroethane	<0.25	50	46	92	70-130	
1,1-Dichloroethane	<0.11	50	51	102	70-130	
1,1-Dichloroethene	<0.20	50	51	102	74-127	
1,1-Dichloropropene	<0.10	50	52	104	70-130	
1,2,3-Trichlorobenzene	<0.25	50	50	100	70-130	
1,2,3-Trichloropropane	<0.21	50	35	70	70-130	
1,2,4-Trichlorobenzene	<0.17	50	51	102	70-130	
1,2,4-Trimethylbenzene	<0.14	50	51	102	70-130	
1,2-Dibromo-3-chloropropane	<0.19	50	48	96	70-130	
1,2-Dibromoethane	<0.18	50	48	96	70-130	
1,2-Dichlorobenzene	<0.14	50	48	96	70-130	
1,2-Dichloroethane	<0.18	50	56	112	70-130	
1,2-Dichloropropane	<0.15	50	50	100	70-130	
1,3,5-Trimethylbenzene	<0.17	50	51	102	70-130	
1,3-Dichlorobenzene	<0.17	50	49	98	70-130	
1,3-Dichloropropane	<0.19	50	48	96	70-130	
1,4-Dichlorobenzene	<0.17	50	48	96	70-130	
2,2-Dichloropropane	<0.21	50	57	114	70-130	
2-Butanone	<0.28	100	80	80	70-130	
2-Chlorotoluene	<0.19	50	50	100	70-130	
2-Hexanone	<0.32	100	84	84	70-130	
4-Chlorotoluene	<0.13	50	49	98	70-130	
4-Methyl-2-pentanone	<0.26	100	92	92	70-130	
Acetone	<0.35	100	100	100	70-130	
Acrolein	<6.6	100	91	91	70-130	
Acrylonitrile	<0.49	100	83	83	70-130	
Benzene	<0.16	50	50	100	72-122	
Bromobenzene	<0.21	50	47	94	70-130	
Bromochloromethane	<0.20	50	47	94	70-130	
Bromodichloromethane	<0.25	50	53	106	70-130	
Bromoform	<0.17	50	43	86	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

RRTS



Blank Spike Recovery

Project Name: Hunter Perimeter Well Sampling

Report Date:

05/31/07 11:57

Project ID:

Task Order 0085

Work Order #: 12049

Lab Batch #: 36118

Sample: 302763 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Bromomethane	<0.25	50	48	96	70-130	
Carbon disulfide	<0.26	50	52	104	70-130	
Carbon Tetrachloride	<0.33	50	55	110	70-130	
Chlorobenzene	<0.15	50	49	98	74-122	
Chloroethane	<0.26	50	51	102	70-130	
Chloroform	<0.16	50	53	106	70-130	
Chloromethane	<0.25	50	44	88	70-130	
cis-1,2-Dichloroethene	<0.21	50	46	92	70-130	
cis-1,3-Dichloropropene	<0.10	50	46	92	70-130	
Dibromochloromethane	<0.15	50	50	100	70-130	
Dibromomethane	<0.24	50	51	102	70-130	
Dichlorodifluoromethane	<0.22	50	49	98	70-130	
Ethylbenzene	<0.19	50	52	104	70-130	
Hexachlorobutadiene	<0.13	50	51	102	70-130	
Isopropylbenzene	<0.15	50	46	92	70-130	
Methylene Chloride	<0.42	50	100	200	70-130	Z
Methyl tert-Butyl Ether	<0.11	100	95	95	70-130	
m-Xylene/p-Xylene	<0.51	100	100	100	70-130	
Naphthalene	<0.22	50	45	90	70-130	
n-Butylbenzene	<0.17	50	51	102	70-130	
n-Propylbenzene	<0.18	50	50	100	70-130	
o-Xylene	<0.20	50	53	106	70-130	
Sec-Butylbenzene	<0.21	50	50	100	70-130	
Styrene	<0.18	50	54	108	70-130	
tert-Butylbenzene	<0.18	50	46	92	70-130	
Tetrachloroethene	<0.16	50	51	102	70-130	
Toluene	<0.14	50	50	100	77-121	
trans-1,2-Dichloroethene	<0.21	50	52	104	70-130	
trans-1,3-Dichloropropene	<0.11	50	50	100	70-130	
Trichloroethene	<0.19	50	51	102	66-119	
Trichlorofluoromethane	<0.53	50	56	112	70-130	
Vinyl acetate	<1.3	50	43	86	70-130	
Vinyl chloride	<0.19	50	49	98	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

05/14



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Well Sampling

Report Date: 05/31/07 11:57

Project ID: Task Order 0085

Work Order #: 12049

Lab Batch ID: 36118

Reporting Units: ug/L

QC- Sample ID: 12037-003 MS

Batch #: 1 Matrix: W

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY												
Reporting Units: ug/L	VOCs by SW8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sampl. Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sampl Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	1,1,1,2-Tetrachloroethane	<0.24	50	48	96	50	48	96	0	70-130	20	
	1,1,1-Trichloroethane	<0.16	50	53	106	50	53	106	0	70-130	20	
	1,1,2,2-Tetrachloroethane	<0.18	50	50	100	50	48	96	4	70-130	20	
	1,1,2-Trichloroethane	<0.25	50	49	98	50	48	96	2	70-130	20	
	1,1-Dichloroethane	<0.11	50	50	100	50	49	98	2	70-130	20	
	1,1-Dichloroethene	<0.20	50	50	100	50	48	96	4	70-135	20	
	1,1-Dichloropropene	<0.10	50	53	106	50	52	104	2	70-130	20	
	1,2,3-Trichlorobenzene	<0.25	50	53	106	50	53	106	0	70-130	20	
	1,2,3-Trichloropropane	<0.21	50	53	106	50	53	106	0	70-130	20	
	1,2,4-Trichlorobenzene	<0.17	50	51	102	50	52	104	2	70-130	20	
	1,2,4-Trimethylbenzene	<0.14	50	50	100	50	49	98	2	70-130	20	
	1,2-Dibromo-3-chloropropane	<0.19	50	57	114	50	52	104	9	70-130	20	
	1,2-Dibromoethane	<0.18	50	51	102	50	50	100	2	70-130	20	
	1,2-Dichlorobenzene	<0.14	50	49	98	50	49	98	0	70-130	20	
	1,2-Dichloroethane	<0.18	50	58	116	50	55	110	5	70-130	20	
	1,2-Dichloropropane	<0.15	50	48	96	50	48	96	0	70-130	20	
	1,3,5-Trimethylbenzene	<0.17	50	51	102	50	49	98	4	70-130	20	
	1,3-Dichlorobenzene	<0.17	50	49	98	50	49	98	0	70-130	20	
	1,3-Dichloropropane	<0.19	50	51	102	50	50	100	2	70-130	20	
	1,4-Dichlorobenzene	<0.17	50	48	96	50	49	98	2	70-130	20	
	2,2-Dichloropropane	<0.21	50	53	106	50	53	106	0	70-130	20	
	2-Butanone	<0.28	100	100	100	100	96	96	4	70-130	20	
	2-Chlorotoluene	<0.19	50	49	98	50	50	100	2	70-130	20	
	2-Hexanone	<0.32	100	100	100	100	97	97	3	70-130	20	

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times (D-G)/(D+G)$
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Well Sampling

Report Date: 05/31/07 11:57

Project ID: Task Order 0085

Work Order #: 12049

Lab Batch ID: 36118

Reporting Units: ug/L

QC-Sample ID: 12037-003 MS

Batch #: 1

Matrix: W

VOCs by SW8260B		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
4-Chlorotoluene		<0.13	50	49	98	50	50	100	2	70-130	20	
4-Methyl-2-pentanone		<0.26	100	110	110	100	100	100	10	70-130	20	
Acetone		<0.35	100	120	120	100	110	110	9	70-130	20	
Acrolein		<6.6	100	110	110	100	100	100	10	70-130	20	
Acrylonitrile		<0.49	100	98	98	100	96	96	2	70-130	20	
Benzene		<0.16	50	49	98	50	49	98	0	72-128	20	
Bromobenzene		<0.21	50	48	96	50	48	96	0	70-130	20	
Bromochloromethane		<0.20	50	48	96	50	47	94	2	70-130	20	
Bromodichloromethane		<0.25	50	51	102	50	50	100	2	70-130	20	
Bromoform		<0.17	50	48	96	50	47	94	2	70-130	20	
Bromomethane		<0.25	50	42	84	50	42	84	0	70-130	20	
Carbon disulfide		<0.26	50	49	98	50	50	100	2	70-130	20	
Carbon Tetrachloride		<0.33	50	52	104	50	51	102	2	70-130	20	
Chlorobenzene		<0.15	50	49	98	50	48	96	2	77-121	20	
Chloroform		<0.16	50	49	98	50	49	98	0	70-130	20	
Chloromethane		<0.25	50	44	88	50	43	86	2	70-130	20	
cis-1,2-Dichloroethene		<0.21	50	45	90	50	44	88	2	70-130	20	
cis-1,3-Dichloropropene		<0.10	50	46	92	50	46	92	0	70-130	20	
Dibromochloromethane		<0.15	50	53	106	50	51	102	4	70-130	20	
Dibromomethane		<0.24	50	54	108	50	52	104	4	70-130	20	
Dichlorodifluoromethane		<0.22	50	46	92	50	46	92	0	70-130	20	
Ethylbenzene		<0.19	50	51	102	50	51	102	0	70-130	20	
Hexachlorobutadiene		<0.13	50	53	106	50	51	102	4	70-130	20	
Isopropylbenzene		<0.15	50	46	92	50	46	92	0	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Well Sampling

Report Date: 05/31/07 11:57

Project ID: Task Order 0085

Work Order #: 12049

Lab Batch ID: 36118

Reporting Units: ug/L

QC-Sample ID: 12037-003 MS

Batch #: 1

Matrix: W

VOCs by SW8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Methylene Chloride	<0.42	50	51	102	50	51	102	0	70-130	20	
Methyl tert-Butyl Ether	<0.11	100	100	100	100	100	100	0	70-130	20	
m-Xylene/p-Xylene	<0.51	100	100	100	100	97	97	3	70-130	20	
Naphthalene	<0.22	50	53	106	50	51	102	4	70-130	20	
n-Butylbenzene	<0.17	50	50	100	50	51	102	2	70-130	20	
n-Propylbenzene	<0.18	50	51	102	50	51	102	0	70-130	20	
o-Xylene	<0.20	50	52	104	50	51	102	2	70-130	20	
Sec-Butylbenzene	<0.21	50	50	100	50	51	102	2	70-130	20	
Styrene	<0.18	50	52	104	50	49	98	6	70-130	20	
tert-Butylbenzene	<0.18	50	47	94	50	47	94	0	70-130	20	
Tetrachloroethene	<0.16	50	49	98	50	50	100	2	70-130	20	
Toluene	<0.14	50	50	100	50	49	98	2	76-124	20	
trans-1,2-Dichloroethene	<0.21	50	47	94	50	51	102	8	70-130	20	
trans-1,3-Dichloropropene	<0.11	50	52	104	50	52	104	0	70-130	20	
Trichloroethene	<0.19	50	50	100	50	48	96	4	68-125	20	
Trichlorofluoromethane	<0.53	50	52	104	50	51	102	2	70-130	20	
Vinyl acetate	<1.3	50	42	84	50	41	82	2	70-130	20	
Vinyl chloride	<0.19	50	46	92	50	47	94	2	70-130	20	



Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Accura Analytical Laboratory

Abbreviations and EPA Qualifier Codes used by AAL

- Rep Limit:** This abbreviation on our analytical reports is for: Reporting Limit (RL).
- BRL:** This abbreviation indicates that the analytical results were Below the Reporting Limit (BRL).
- MDL:** The Method Detection Limit (MDL), as defined by 40 CFR Part 136, Appendix B, is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero.
- U:** The compound was analyzed for, but not detected above the specified MDL.
- J:** This indicates an estimated value. The target analyte is **positively identified**, but the reported numerical result (analyte concentration) is an **estimated** value and the direction of the bias is unknown. The result is above the MDL, but below the RL.
- B:** This is used when the analyte is found in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. The flag shall be used for a tentatively identified compound as well as for a positively identified target compound.
- D:** This flag indicates that the identified analyte is reported from the dilution analysis.
- E:** This identifies compounds whose concentrations exceed the upper level of the linear calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract should be diluted and re-analyzed.
- Note: For Xylenes, Total, where three isomers are quantified as two peaks, the calibration range of each peak is considered separately.*
- X:** This qualifier is defined by the laboratory in written case narrative.
- Z:** Surrogates/Spikes results are outside the laboratory or method quality control limits.
- ZZ:** Surrogates/Spikes results are outside the laboratory or method quality control limits in multiple QC samples.
- ***:** Surrogate recoveries were diluted out.
- M:** Manual integrations were necessary and an "m" qualifying code is present on the quantitation report next to the analyte.
- N:** Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds. (TICs), where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" flag is not used.



Analytical Management Laboratories, Inc.
15130 South Keeler, Olathe, Kansas 66062
(913) 829-0101 Fax: (913) 829-1181

October 11, 2007

Mr. Judson Smith
Project Chemist, CESAS-EN-GG
U.S. Army Corps of Engineers, Savannah District
100 W. Oglethorpe Ave.
P. O. Box 889
Savannah, GA 31401-0360
Phone: 912-652-5673
Fax: 912-652-5311

Dear Mr. Smith:

RE: H AAF Perimeter, Task Order# 0090
W912HN-05-D-0013
AML Work Order Number: 0710035

Attached, please find the hardcopy analytical report (76 total pages) for environmental samples collected by CESAS for the project described above. Problems encountered in the analysis of these samples are documented in the laboratory case narrative. The electronic data deliverables (EDDs) for this report will be e-mailed within a few days of this report. Please feel free to contact me by phone (913-829-0101-ext. 23), fax (913-829-1181) or email (mharris@amlabinc.com) if you have any questions.

Respectfully Submitted,
Analytical Management Laboratories, Inc.

A handwritten signature in black ink, appearing to read 'Melania Harris', is written over a horizontal line.
Melania Harris
Project Manager

Project:	H AAF Perimeter, Task Order# 0090
Your Reference:	W912HN-05-D-0013
Our Reference:	AML Work Order Number: 0710035

Project and Sample Information

Technical support for the analysis of samples collected for the referenced project was provided by Xenco/Accura Analytical Laboratory, Inc, 6017 Financial Drive, Norcross, GA 30071. The analytical reports prepared by the subcontract laboratories are attached. Please feel free to contact Mr. David Fuller directly (770-449-8800) for Xenco/Accura data if there are any questions on these reports.

Field Sample Information

(Chain of Custody Record, Sample Receipt Report,
Condition Upon Receipt Report)

0710035

(Sample Delivery Group, SDG)

Analytical Management Laboratories - Sample Status and Receipt Report

Report Lvl. 3

USACE Savannah

Client AML ID

HAAF Perimeter, DO# 0090

Client Project ID

0710035

09/27/07

AML Project Number

Work Order Due Date

AML Sample	Matrix	Client Sample ID	Date Collected	Projected		Comments
				Analytical Due Date	Analysis	
0710035-01	Water	P-MW-1-9-07	09/05/07 13:45	09/27/07	VOCs by 8260B	
0710035-02	Water	P-MW-2-9-07	09/05/07 14:15	09/27/07	VOCs by 8260B	
0710035-03	Water	P-DUP	09/05/07 16:00	09/27/07	VOCs by 8260B	
0710035-04	Water	P-MW-3-9-07	09/05/07 15:10	09/27/07	VOCs by 8260B	
0710035-05	Water	P-HCL-3-9-07	09/05/07 16:10	09/27/07	VOCs by 8260B	
0710035-06	Water	P-MW-4-9-07	09/06/07 08:45	09/27/07	VOCs by 8260B	
0710035-07	Water	P-MW-5-9-07	09/06/07 09:35	09/27/07	VOCs by 8260B	
0710035-08	Water	P-BLANK	09/06/07 11:00	09/27/07	VOCs by 8260B	
0710035-09	Water	TRIP BLANK	09/06/07 00:00	09/27/07	VOCs by 8260B	

Subcontracted Report

0710035

(AML Sample Delivery Group, SDG)

Accura Analytical Laboratory, Inc-

AAL Work Order No: 12607

(Laboratory)



21-SEP-07

Analytical Management Laboratories, Inc.
15130 South Keeler
Olathe, KS 66062
Client Contact: Vis Viswanathan

Reference: Accura Analytical Laboratory, Inc. (AAL) Work Order No: 12607
Project Name :HAAF Perimeter Hunter Army Airfield
Project Number: Task Order 0090

Dear Vis Viswanathan :

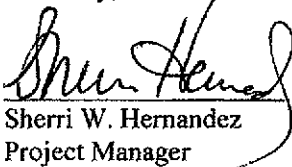
We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Chain of Custody(s) Numbered 216519 . All results being reported under this Chain of Custody apply to the samples analyzed and properly identified with an AAL Sample ID number.

All the results for the quality control samples were reviewed. Also, all parameters for data reduction and validation were reviewed. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by AAL. This report will be filed for at least 7 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. 216519 will be filed for 90 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Accura Analytical Laboratory Inc. to serve your analytical needs. If you have any questions concerning this report, please feel free to contact me at any time.

Sincerely,



Sherri W. Hernandez
Project Manager

6017 Financial Drive Norcross, GA 30071
Phone: 770-449-8800 Fax: 770-449-5477

0006



Prelogin/Nonconformance Report- Sample Log-In

Client: US Army Corps of Engineers
Date/ Time: 9/10/07 0950
Lab ID #: 12607
Initials: Bm

Sample Receipt Checklist

#1 Temperature of container/ cooler?	<u>Yes</u>	No	N/A	°C
#2 Shipping container in good condition?	<u>Yes</u>	No	None	
#3 Samples received on ice?	<u>Yes</u>	No	N/A	Blue/Water
#4 Custody Seals intact on shipping container/ cooler?	Yes	No	<u>N/A</u>	
#5 Custody Seals intact on sample bottles/ container?	Yes	No	<u>N/A</u>	
#6 Chain of Custody present?	<u>Yes</u>	No		
#7 Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#8 Any missing/extra samples?	Yes	<u>No</u>		
#9 Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#10 Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No		
#11 Container label(s) legible and intact?	<u>Yes</u>	No		
#12 Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#13 Samples in proper container/ bottle?	<u>Yes</u>	No		
#14 Samples properly preserved?	<u>Yes</u>	No	N/A	
#15 Sample container intact?	<u>Yes</u>	No		
#16 Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
#17 All samples received within sufficient hold time?	<u>Yes</u>	No		
#18 Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
#19 VOC samples have zero headspace?	<u>Yes</u>	No	N/A	

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

☐
☐

Client understands and would like to proceed with analysis
Cooling process had begun shortly after sampling event

Bm
9/10



- ☐ 11381 Meadowglen, Suite L, Houston, TX 77082 281-589-0692
☐ 5309 Wurzbach, Suite 104, San Antonio, TX 78238 210-509-3334
☐ 9700 Harry Hines Blvd., Dallas, TX 75220 972-902-0300

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

- ☐ 5757 N.W. 158th Street, Miami Lakes, FL 33014 305-823-8500
☐ 3016 US Highway 301 N., Suite 300, Tampa, FL 33619 813-620-2000

LAB ONLY:

12607

Serial #: 216519 Page 1 of 1

Company-City: **US ARMY CORPS OF ENGINEERS JAV/4 GA** Phone: **5757 N.W. 158th Street, Miami Lakes, FL 33014 305-823-8500**
Project Name: **HQAF PERIMETER** Site: **Hunter Army Airfield** TAT: 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj. Manager (PM): **ZSOLT HAVERLAND** Project ID: **004 0090**

Fax Results to: ☐ PM or ☐ Other: **230LT HAVERLAND**

e-mail to: **JUD SMITH 92-652-5673**

Invoice to: ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O.
Bill to: **JUD SMITH 92-652-5673**

Quote No: **P.O. No:** ☐ Call for a P.O.

Reg Program: CLP AFCEE TRAP DW UST State Other:

Target DLs (DW CRDL TRAP QAPP MDLs See Lab PM Attached Call)

TRRP PCLs: Tier 1 Tier 2 Residential Industrial

LPST No. (Required)

Sampler Name: **JOE COOMBS** Signature: *[Signature]*

Sample ID	Sampling Date	Time	Depth	Matrix	Composite	# Containers	Container Size	Container Type	Preservatives
1 P-MW-1-9-07	9/05/07	1345	W	W	W	3	W	W	W
2 P-MW-2-9-07	9/05/07	1415	W	W	W	3	W	W	W
3 P-DUP	9/05/07	1600	W	W	W	3	W	W	W
4 P-MW-3-9-07	9/05/07	1610	W	W	W	3	W	W	W
5 P-MW-3-9-07	9/05/07	1610	W	W	W	3	W	W	W
6 P-MW-4-9-07	9/06/07	0845	W	W	W	3	W	W	W
7 P-MW-5-9-07	9/06/07	0935	W	W	W	3	W	W	W
8 P-BLANK	9/06/07	1100	W	W	W	3	W	W	W
9 TRIP BLANK	9/06/07		W	W	W	2	W	W	W

Refined by (Initials and Sign) **JDC** Date & Time **9/06/07 1200**
Relinquished to (Initials and Sign) **SHIPPER** Date & Time **9/06/07 1200**
Instructions: **SHIPPER**
All XENCO Standard Terms and Conditions Apply.

Containers Received: **26** Cooler Temperature: **26**

Preservatives: Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), Aspic Acid&NaOH (A), ZnAc&NaOH (Z), (Cool,<4C) (C), None (NA), See Label (L), Other (O)
Cont. Size: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (5), Tiedar Bag (B), Wipe (W), Other _____ Cont. Type: Glass Amb (A), Glass Clear (C), Plastic (P), Other (O)

Matrix: Air (A), Product (P), Solid(S), Water (W)

SDBE Committed to Excellence in Service and Quality since 1990

www.xenco.com



ACCURA ANALYTICAL LABORATORY, INC. (AAL)

6017 Financial Drive, Norcross, GA 30071, Phone: (770) 449-8800

FL Certification #E87429 • NC Certification #483

SC Certification #98015 • Utah Certification #AALI

USACE Approved

Case Narrative

AAL Work Order # 12607

Client Project: HAAF Perimeter Hunter Army Airfield / Task Order 0090

Accura Analytical Laboratory Inc. certifies that the results meet all requirements of the NELAC Standards.

The data package includes a 2 page case narrative, 1 Chain of Custody page, 1 page Sample Receipt Checklist, 22 analytical results pages, 3 QC surrogate recovery pages, 4 QC Blank Spike / Blank Spike Duplicate recovery pages, 6 QC Matrix Spike / Matrix Spike Duplicate recovery pages, and a list of common EPA qualifier codes and abbreviations used by AAL.

The following items were noted concerning this work order:

VOCs by SW8260B Notations:

1. The pH of the water samples was <2.0 prior to the VOC analysis.
2. The % recoveries for the following analytes were outside laboratory control limits (bias low) for the Laboratory Blank Spike. There were no reportable concentrations of these analytes detected in any of the samples associated with this batch.
Acetone and Dichlorodifluoromethane. (Batch#37410).
3. The % recoveries for the MS and/or MSD for the following analytes were outside laboratory control limits due to possible matrix interferences.
Dichlorodifluoromethane-12607-002 MS/MSD (bias low)
Tetrachloroethene-12607-002MSD (bias low)
4. The RPD for The MS and MSD for the following analyte were outside laboratory control limits for Acrylonitrile due to possible matrix interferences. 12607-002MS/MSD and 12637-006 MS/MSD
5. The % recoveries for the following analytes were outside laboratory control limits for the Laboratory Blank Spike. There were no reportable concentrations of these analytes detected in any of the samples associated with this batch. 2-Hexanone (bias low) and Carbon Disulfide (bias high). (Batch#37414).



ACCURA ANALYTICAL LABORATORY, INC. (AAL)

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USACE Approved

Case Narrative

-
6. The % recoveries for the MS and/or MSD for the following analytes were outside laboratory control limits due to possible matrix interferences.
2-Hexanone-12637-006MSD (bias low)
Tetrachloroethene-12637-006MS/MSD (bias low)

Mei Liang

Senior VOC Analyst

September 21, 2007

Date

This Case Narrative & Notations have been generated, reviewed, and edited by:


Sherri W. Hernandez

Project Manager

September 21, 2007

Date



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS
HAAF Perimeter Hunter Army Airfield

Sample Id: P-MW-1-9-07	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-001	Date Collected: Sep-05-07 13:45	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: Sep-14-07 15:02

Analyst: MDS01

Date Prep: Sep-14-07 07:13

Tech: MJL01

Seq Number: 37410

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-MW-1-9-07

Matrix: WATER

% Moisture:

Lab Sample Id: 12607-001

Date Collected: Sep-05-07 13:45

Date Received: Sep-07-07 09:50

Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: Sep-14-07 15:02

Analyst: MDS01

Date Prep: Sep-14-07 07:13

Tech: MJL01

Seq Number: 37410

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-MW-2-9-07	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-002	Date Collected: Sep-05-07 14:15	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: Sep-14-07 09:29	Analyst: MDS01	Date Prep: Sep-14-07 07:13	Tech: MJL01
Seq Number: 37410			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	2.9	1.0	0.13	ug/L		1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	9.3	1.0	0.16	ug/L		1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-MW-2-9-07	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-002	Date Collected: Sep-05-07 14:15	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **Sep-14-07 09:29**

Analyst: **MDS01**

Date Prep: **Sep-14-07 07:13**

Tech: **MJL01**

Seq Number: **37410**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	14	1.0	0.22	ug/L		1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-DUP	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-003	Date Collected: Sep-05-07 16:00	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: Sep-14-07 09:57	Analyst: MDS01	Date Prep: Sep-14-07 07:13	Tech: MJL01
Seq Number: 37410			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: **P-DUP**
Lab Sample Id: **12607-003**
Sample Depth:

Matrix: **WATER**
Date Collected: **Sep-05-07 16:00**

% Moisture:
Date Received: **Sep-07-07 09:50**

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **Sep-14-07 09:57**

Analyst: **MDS01**

Date Prep: **Sep-14-07 07:13**

Tech: **MJL01**

Seq Number: **37410**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-MW-3-9-07	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-004	Date Collected: Sep-05-07 15:10	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: Sep-14-07 10:25

Analyst: MDS01

Date Prep: Sep-14-07 07:13

Tech: MJL01

Seq Number: 37410

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-MW-3-9-07	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-004	Date Collected: Sep-05-07 15:10	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **Sep-14-07 10:25**

Analyst: **MDS01**

Date Prep: **Sep-14-07 07:13**

Tech: **MJL01**

Seq Number: **37410**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-HCL-3-9-07	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-005	Date Collected: Sep-05-07 16:10	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: Sep-14-07 12:43

Analyst: MDS01

Date Prep: Sep-14-07 07:13

Tech: MJL01

Seq Number: 37410

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	1.7	1.0	0.25	ug/L		1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	1.1	1.0	0.17	ug/L		1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	11	1.0	0.16	ug/L		1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: **P-HCL-3-9-07**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12607-005**

Date Collected: **Sep-05-07 16:10**

Date Received: **Sep-07-07 09:50**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **Sep-14-07 12:43**

Analyst: **MDS01**

Date Prep: **Sep-14-07 07:13**

Tech: **MJL01**

Seq Number: **37410**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	4.7	1.0	0.19	ug/L		1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	0.81	2.0	0.51	ug/L	J	1
Naphthalene	91-20-3	360	1.0	0.22	ug/L		1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	3.4	1.0	0.20	ug/L		1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	1.0	1.0	0.14	ug/L	J	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-MW-4-9-07	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-006	Date Collected: Sep-06-07 08:15	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: Sep-14-07 15:30	Analyst: MDS01	Date Prep: Sep-14-07 07:13	Tech: MJL01
Seq Number: 37410			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-MW-4-9-07

Matrix: WATER

% Moisture:

Lab Sample Id: 12607-006

Date Collected: Sep-06-07 08:15

Date Received: Sep-07-07 09:50

Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: Sep-14-07 15:30

Analyst: MDS01

Date Prep: Sep-14-07 07:13

Tech: MJL01

Seq Number: 37410

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-MW-5-9-07	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-007	Date Collected: Sep-06-07 09:35	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: Sep-14-07 15:58	Analyst: MDS01	Date Prep: Sep-14-07 07:13	Tech: MJL01
Seq Number: 37410			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS
HAAF Perimeter Hunter Army Airfield

Sample Id: P-MW-5-9-07	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-007	Date Collected: Sep-06-07 09:35	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **Sep-14-07 15:58**

Analyst: **MDS01**

Date Prep: **Sep-14-07 07:13**

Tech: **MJL01**

Seq Number: **37410**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-Blank	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-008	Date Collected: Sep-06-07 11:00	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: Sep-14-07 14:06	Analyst: MDS01	Date Prep: Sep-14-07 07:13	Tech: MJL01
Seq Number: 37410			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: P-Blank	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-008	Date Collected: Sep-06-07 11:00	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **Sep-14-07 14:06**

Analyst: **MDS01**

Date Prep: **Sep-14-07 07:13**

Tech: **MJL01**

Seq Number: **37410**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: Trip Blank	Matrix: WATER	% Moisture:
Lab Sample Id: 12607-009	Date Collected: Sep-06-07 00:00	Date Received: Sep-07-07 09:50
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: Sep-14-07 14:34	Analyst: MDS01	Date Prep: Sep-14-07 07:13	Tech: MJL01
Seq Number: 37410			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: **Trip Blank**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12607-009**

Date Collected: **Sep-06-07 00:00**

Date Received: **Sep-07-07 09:50**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **Sep-14-07 14:34**

Analyst: **MDS01**

Date Prep: **Sep-14-07 07:13**

Tech: **MJL01**

Seq Number: **37410**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: 303758 BLK	Matrix: WATER	% Moisture:
Lab Sample Id: 303758 BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: Sep-14-07 08:31	Analyst: MDS01	Date Prep: Sep-14-07 07:13	Tech: MJL01
Seq Number: 37410			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS
HAAF Perimeter Hunter Army Airfield

Sample Id: **303758 BLK**
Lab Sample Id: **303758 BLK**
Sample Depth:

Matrix: **WATER**
Date Collected:

% Moisture:
Date Received:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **Sep-14-07 08:31**

Analyst: **MDS01**

Date Prep: **Sep-14-07 07:13**

Tech: **MJL01**

Seq Number: **37410**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Diisopropyl Ether	108-20-3	BRL	1.0	0.080	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: 303761 BLK	Matrix: WATER	% Moisture:
Lab Sample Id: 303761 BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: Sep-15-07 12:18	Analyst: MJL01	Date Prep: Sep-15-07 10:05	Tech: MJL01
Seq Number: 37414			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12607

Analytical Management Laboratories, Inc., Olathe, KS

HAAF Perimeter Hunter Army Airfield

Sample Id: 303761 BLK

Matrix: WATER

% Moisture:

Lab Sample Id: 303761 BLK

Date Collected:

Date Received:

Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: Sep-15-07 12:18

Analyst: MJL01

Date Prep: Sep-15-07 10:05

Tech: MJL01

Seq Number: 37414

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Diisopropyl Ether	108-20-3	BRL	1.0	0.080	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Form 2 - Surrogate Recoveries

Project Name: HAAF Perimeter Hunter Army Airfield

Report Date: 09/21/07 12:53

Work Order #: 12607

Project ID: Task Order 0090

Lab Batch #: 37410

Sample: 12607-001 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	43.1	50.0	86	53-159	
Bromofluorobenzene	50.0	50.0	100	30-186	
Toluene-D8	47.2	50.0	94	83-136	

Lab Batch #: 37410

Sample: 12607-002 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	44.7	50.0	89	53-159	
Bromofluorobenzene	50.1	50.0	100	30-186	
Toluene-D8	47.1	50.0	94	83-136	

Lab Batch #: 37410

Sample: 12607-003 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	43.6	50.0	87	53-159	
Bromofluorobenzene	49.9	50.0	100	30-186	
Toluene-D8	47.0	50.0	94	83-136	

Lab Batch #: 37410

Sample: 12607-004 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	43.3	50.0	87	53-159	
Bromofluorobenzene	50.8	50.0	102	30-186	
Toluene-D8	47.1	50.0	94	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: HAAF Perimeter Hunter Army Airfield

Report Date: 09/21/07 12:53

Work Order #: 12607

Project ID: Task Order 0090

Lab Batch #: 37410

Sample: 12607-005 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	44.1	50.0	88	53-159	
Bromofluorobenzene	50.4	50.0	101	30-186	
Toluene-D8	46.8	50.0	94	83-136	

Lab Batch #: 37410

Sample: 12607-006 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	44.5	50.0	89	53-159	
Bromofluorobenzene	50.4	50.0	101	30-186	
Toluene-D8	47.2	50.0	94	83-136	

Lab Batch #: 37410

Sample: 12607-007 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	44.4	50.0	89	53-159	
Bromofluorobenzene	50.1	50.0	100	30-186	
Toluene-D8	46.9	50.0	94	83-136	

Lab Batch #: 37410

Sample: 12607-008 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	43.6	50.0	87	53-159	
Bromofluorobenzene	50.2	50.0	100	30-186	
Toluene-D8	46.6	50.0	93	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: HAAF Perimeter Hunter Army Airfield

Report Date: 09/21/07 12:53

Work Order #: 12607

Project ID: Task Order 0090

Lab Batch #: 37410

Sample: 12607-009 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	44.2	50.0	88	53-159	
Bromofluorobenzene	50.7	50.0	101	30-186	
Toluene-D8	47.1	50.0	94	83-136	

Lab Batch #: 37410

Sample: 303758 BLK / BLK

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	44.0	50.0	88	65-125	
Bromofluorobenzene	51.4	50.0	103	66-148	
Toluene-D8	47.7	50.0	95	86-127	

Lab Batch #: 37414

Sample: 12607-005 DL / DIL

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	428	500	86	53-159	
Bromofluorobenzene	509	500	102	30-186	
Toluene-D8	474	500	95	83-136	

Lab Batch #: 37414

Sample: 303761 BLK / BLK

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	41.6	50.0	83	65-125	
Bromofluorobenzene	50.0	50.0	100	66-148	
Toluene-D8	47.2	50.0	94	86-127	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Blank Spike Recovery

Project Name: HAAF Perimeter Hunter Army Airfield

Work Order #: 12607

Lab Batch #: 37410

Reporting Units: ug/L

Sample: 303758 BKS

Batch #: 1

Report Date:

09/21/07 12:53

Project ID:

Task Order 0090

Matrix: W

VOCs by SW8260B		BLANK /BLANK SPIKE RECOVERY STUDY				
Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1,1,2-Tetrachloroethane	<0.24	50	47	94	70-130	
1,1,1-Trichloroethane	<0.16	50	49	98	70-130	
1,1,2,2-Tetrachloroethane	<0.18	50	44	88	70-130	
1,1,2-Trichloroethane	<0.25	50	45	90	70-130	
1,1-Dichloroethane	<0.11	50	48	96	70-130	
1,1-Dichloroethene	<0.20	50	49	98	74-127	
1,1-Dichloropropene	<0.10	50	50	100	70-130	
1,2,3-Trichlorobenzene	<0.25	50	44	88	70-130	
1,2,3-Trichloropropane	<0.21	50	44	88	70-130	
1,2,4-Trichlorobenzene	<0.17	50	47	94	70-130	
1,2,4-Trimethylbenzene	<0.14	50	51	102	70-130	
1,2-Dibromo-3-chloropropane	<0.19	50	41	82	70-130	
1,2-Dibromoethane	<0.18	50	46	92	70-130	
1,2-Dichlorobenzene	<0.14	50	50	100	70-130	
1,2-Dichloroethane	<0.18	50	48	96	70-130	
1,2-Dichloropropane	<0.15	50	48	96	70-130	
1,3,5-Trimethylbenzene	<0.17	50	52	104	70-130	
1,3-Dichlorobenzene	<0.17	50	51	102	70-130	
1,3-Dichloropropane	<0.19	50	46	92	70-130	
1,4-Dichlorobenzene	<0.17	50	51	102	70-130	
2,2-Dichloropropane	<0.21	50	53	106	70-130	
2-Butanone	<0.28	100	83	83	70-130	
2-Chlorotoluene	<0.19	50	50	100	70-130	
2-Hexanone	<0.32	100	73	73	70-130	
4-Chlorotoluene	<0.13	50	50	100	70-130	
4-Methyl-2-pentanone	<0.26	100	83	83	70-130	
Acetone	<0.35	100	68	68	70-130	Z
Acrolein	<6.6	100	89	89	70-130	
Acrylonitrile	<0.49	100	88	88	70-130	
Benzene	<0.16	50	50	100	72-122	
Bromobenzene	<0.21	50	48	96	70-130	
Bromochloromethane	<0.20	50	49	98	70-130	
Bromodichloromethane	<0.25	50	49	98	70-130	
Bromoform	<0.17	50	47	94	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



Blank Spike Recovery

Project Name: HAAF Perimeter Hunter Army Airfield

Work Order #: 12607

Lab Batch #: 37410

Reporting Units: ug/L

Report Date:

09/21/07 12:53

Project ID:

Task Order 0090

Sample: 303758 BKS

Matrix: W

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Bromomethane	<0.25	50	45	90	70-130	
Carbon disulfide	<0.26	50	55	110	70-130	
Carbon Tetrachloride	<0.33	50	50	100	70-130	
Chlorobenzene	<0.15	50	50	100	74-122	
Chloroethane	<0.26	50	50	100	70-130	
Chloroform	<0.16	50	48	96	70-130	
Chloromethane	<0.25	50	43	86	70-130	
cis-1,2-Dichloroethene	<0.21	50	47	94	70-130	
cis-1,3-Dichloropropene	<0.10	50	49	98	70-130	
Dibromochloromethane	<0.15	50	47	94	70-130	
Dibromomethane	<0.24	50	48	96	70-130	
Dichlorodifluoromethane	<0.22	50	32	64	70-130	Z
Ethylbenzene	<0.19	50	50	100	70-130	
Hexachlorobutadiene	<0.13	50	50	100	70-130	
Isopropylbenzene	<0.15	50	51	102	70-130	
Methylene Chloride	<0.42	50	51	102	70-130	
Methyl tert-Butyl Ether	<0.11	100	89	89	70-130	
m-Xylene/p-Xylene	<0.51	100	100	100	70-130	
Naphthalene	<0.22	50	40	80	70-130	
n-Butylbenzene	<0.17	50	51	102	70-130	
n-Propylbenzene	<0.18	50	51	102	70-130	
o-Xylene	<0.20	50	51	102	70-130	
Sec-Butylbenzene	<0.21	50	52	104	70-130	
Styrene	<0.18	50	52	104	70-130	
tert-Butylbenzene	<0.18	50	52	104	70-130	
Tetrachloroethene	<0.16	50	53	106	70-130	
Toluene	<0.14	50	49	98	77-121	
trans-1,2-Dichloroethene	<0.21	50	47	94	70-130	
trans-1,3-Dichloropropene	<0.11	50	47	94	70-130	
Trichloroethene	<0.19	50	50	100	66-119	
Trichlorofluoromethane	<0.53	50	46	92	70-130	
Vinyl acetate	<1.3	50	42	84	70-130	
Vinyl chloride	<0.19	50	46	92	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



Blank Spike Recovery

Project Name: HAAF Perimeter Hunter Army Airfield

Report Date:

09/21/07 12:53

Work Order #: 12607

Project ID:

Task Order 0090

Lab Batch #: 37414

Sample: 303761 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1,1,2-Tetrachloroethane	<0.24	50	46	92	70-130	
1,1,1-Trichloroethane	<0.16	50	51	102	70-130	
1,1,2,2-Tetrachloroethane	<0.18	50	41	82	70-130	
1,1,2-Trichloroethane	<0.25	50	42	84	70-130	
1,1-Dichloroethane	<0.11	50	49	98	70-130	
1,1-Dichloroethene	<0.20	50	51	102	70-130	
1,1-Dichloropropene	<0.10	50	52	104	70-130	
1,2,3-Trichlorobenzene	<0.25	50	49	98	70-130	
1,2,3-Trichloropropane	<0.21	50	41	82	70-130	
1,2,4-Trichlorobenzene	<0.17	50	52	104	70-130	
1,2,4-Trimethylbenzene	<0.14	50	51	102	70-130	
1,2-Dibromo-3-chloropropane	<0.19	50	37	74	70-130	
1,2-Dibromoethane	<0.18	50	45	90	70-130	
1,2-Dichlorobenzene	<0.14	50	49	98	70-130	
1,2-Dichloroethane	<0.18	50	47	94	70-130	
1,2-Dichloropropane	<0.15	50	49	98	70-130	
1,3,5-Trimethylbenzene	<0.17	50	51	102	70-130	
1,3-Dichlorobenzene	<0.17	50	51	102	70-130	
1,3-Dichloropropane	<0.19	50	45	90	70-130	
1,4-Dichlorobenzene	<0.17	50	51	102	70-130	
2,2-Dichloropropane	<0.21	50	58	116	70-130	
2-Butanone	<0.28	100	83	83	70-130	
2-Chlorotoluene	<0.19	50	49	98	70-130	
2-Hexanone	<0.32	100	68	68	70-130	Z
4-Chlorotoluene	<0.13	50	50	100	70-130	
4-Methyl-2-pentanone	<0.26	100	75	75	70-130	
Acetone	<0.35	100	92	92	70-130	
Acrolein	<6.6	100	82	82	70-130	
Acrylonitrile	<0.49	100	130	130	70-130	
Benzene	<0.16	50	51	102	70-130	
Bromobenzene	<0.21	50	47	94	70-130	
Bromochloromethane	<0.20	50	49	98	70-130	
Bromodichloromethane	<0.25	50	49	98	70-130	
Bromoform	<0.17	50	44	88	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



Blank Spike Recovery

Project Name: HAAF Perimeter Hunter Army Airfield

Work Order #: 12607

Lab Batch #: 37414

Reporting Units: ug/L

Report Date:

09/21/07 12:53

Project ID:

Task Order 0090

Sample: 303761 BKS

Matrix: W

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Bromomethane	<0.25	50	51	102	70-130	
Carbon disulfide	<0.26	50	68	136	70-130	Z
Carbon Tetrachloride	<0.33	50	53	106	70-130	
Chlorobenzene	<0.15	50	49	98	70-130	
Chloroethane	<0.26	50	55	110	70-130	
Chloroform	<0.16	50	48	96	70-130	
Chloromethane	<0.25	50	46	92	70-130	
cis-1,2-Dichloroethene	<0.21	50	49	98	70-130	
cis-1,3-Dichloropropene	<0.10	50	50	100	70-130	
Dibromochloromethane	<0.15	50	46	92	70-130	
Dibromomethane	<0.24	50	47	94	70-130	
Dichlorodifluoromethane	<0.22	50	42	84	70-130	
Ethylbenzene	<0.19	50	50	100	70-130	
Hexachlorobutadiene	<0.13	50	53	106	70-130	
Isopropylbenzene	<0.15	50	51	102	70-130	
Methylene Chloride	<0.42	50	52	104	70-130	
Methyl tert-Butyl Ether	<0.11	100	86	86	70-130	
m-Xylene/p-Xylene	<0.51	100	100	100	70-130	
Naphthalene	<0.22	50	43	86	70-130	
n-Butylbenzene	<0.17	50	53	106	70-130	
n-Propylbenzene	<0.18	50	50	100	70-130	
o-Xylene	<0.20	50	50	100	70-130	
Sec-Butylbenzene	<0.21	50	51	102	70-130	
Styrene	<0.18	50	52	104	70-130	
tert-Butylbenzene	<0.18	50	54	108	70-130	
Tetrachloroethene	<0.16	50	41	82	70-130	
Toluene	<0.14	50	49	98	77-121	
trans-1,2-Dichloroethene	<0.21	50	50	100	70-130	
trans-1,3-Dichloropropene	<0.11	50	47	94	70-130	
Trichloroethene	<0.19	50	54	108	70-130	
Trichlorofluoromethane	<0.53	50	50	100	70-130	
Vinyl acetate	<1.3	50	46	92	70-130	
Vinyl chloride	<0.19	50	50	100	70-130	

Blank Spike Recovery $[D] = 100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



Form 3 - MS / MSD Recoveries

Project Name: HAAF Perimeter Hunter Army Airfield

Report Date: 09/21/07 12:53

Project ID: Task Order 0090

Work Order #: 12607

Lab Batch ID: 37410

Reporting Units: ug/L

QC- Sample ID: 12607-002 MS

Batch #: 1

Matrix: W

Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										Flag
	Parent Sample Result [A]	Spike Added [B]	Spike Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	
VOCs by SW8260B											
1,1,1,2-Tetrachloroethane	<0.24	50	48	96	50	47	94	2	70-130	20	
1,1,1-Trichloroethane	<0.16	50	51	102	50	48	96	6	70-130	20	
1,1,2,2-Tetrachloroethane	<0.18	50	45	90	50	44	88	2	70-130	20	
1,1,2-Trichloroethane	<0.25	50	45	90	50	43	86	5	70-130	20	
1,1-Dichloroethane	<0.11	50	50	100	50	47	94	6	70-130	20	
1,1-Dichloroethene	<0.20	50	50	100	50	48	96	4	70-130	20	
1,1-Dichloropropene	<0.10	50	51	102	50	49	98	4	70-130	20	
1,2,3-Trichlorobenzene	<0.25	50	49	98	50	51	102	4	70-130	20	
1,2,3-Trichloropropane	<0.21	50	45	90	50	45	90	0	70-130	20	
1,2,4-Trichlorobenzene	<0.17	50	51	102	50	52	104	2	70-130	20	
1,2,4-Trimethylbenzene	<0.14	50	52	104	50	51	102	2	70-130	20	
1,2-Dibromo-3-chloropropane	<0.19	50	43	86	50	41	82	5	70-130	20	
1,2-Dibromoethane	<0.18	50	46	92	50	45	90	2	70-130	20	
1,2-Dichlorobenzene	<0.14	50	51	102	50	50	100	2	70-130	20	
1,2-Dichloroethane	<0.18	50	48	96	50	46	92	4	70-130	20	
1,2-Dichloropropane	<0.15	50	50	100	50	48	96	4	70-130	20	
1,3,5-Trimethylbenzene	<0.17	50	51	102	50	50	100	2	70-130	20	
1,3-Dichlorobenzene	<0.17	50	52	104	50	51	102	2	70-130	20	
1,3-Dichloropropane	<0.19	50	47	94	50	46	92	2	70-130	20	
1,4-Dichlorobenzene	<0.17	50	51	102	50	50	100	2	70-130	20	
2,2-Dichloropropane	<0.21	50	54	108	50	50	100	8	70-130	20	
2-Butanone	<0.28	100	84	84	100	84	84	0	70-130	20	
2-Chlorotoluene	<0.19	50	50	100	50	49	98	2	70-130	20	
2-Hexanone	<0.32	100	77	77	100	74	74	4	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: HAAF Perimeter Hunter Army Airfield

Report Date: 09/21/07 12:53

Project ID: Task Order 0090

Work Order #: 12607

Lab Batch ID: 37410

Reporting Units: ug/L

QC- Sample ID: 12607-002 MS

Batch #: 1

Matrix: W

VOCs by SW8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
4-Chlorotoluene	<0.13	50	51	102	50	49	98	4	70-130	20	
4-Isopropyltoluene	2.9	50	55	104	50	53	100	4	70-130	20	
4-Methyl-2-pentanone	<0.26	100	86	86	100	85	85	1	70-130	20	
Acetone	<0.35	100	78	78	100	75	75	4	70-130	20	
Acrolein	<6.6	100	80	80	100	73	73	9	70-130	20	
Acrylonitrile	<0.49	100	120	120	100	80	80	40	70-130	20	F
Benzene	9.3	50	60	101	50	58	97	4	70-130	20	
Bromobenzene	<0.21	50	48	96	50	46	92	4	70-130	20	
Bromochloromethane	<0.20	50	48	96	50	47	94	2	70-130	20	
Bromodichloromethane	<0.25	50	50	100	50	49	98	2	70-130	20	
Bromoform	<0.17	50	47	94	50	46	92	2	70-130	20	
Bromomethane	<0.25	50	48	96	50	45	90	6	70-130	20	
Carbon disulfide	<0.26	50	59	118	50	57	114	3	70-130	20	
Carbon Tetrachloride	<0.33	50	50	100	50	49	98	2	70-130	20	
Chlorobenzene	<0.15	50	50	100	50	48	96	4	70-130	20	
Chloroethane	<0.26	50	51	102	50	48	96	6	70-130	20	
Chloroform	<0.16	50	48	96	50	46	92	4	70-130	20	
Chloromethane	<0.25	50	44	88	50	42	84	5	70-130	20	
cis-1,2-Dichloroethene	<0.21	50	47	94	50	47	94	0	70-130	20	
cis-1,3-Dichloropropene	<0.10	50	50	100	50	48	96	4	70-130	20	
Dibromochloromethane	<0.15	50	46	92	50	46	92	0	70-130	20	
Dibromomethane	<0.24	50	49	98	50	46	92	6	70-130	20	
Dichlorodifluoromethane	<0.22	50	34	68	50	33	66	3	70-130	20	Z
Ethylbenzene	<0.19	50	51	102	50	49	98	4	70-130	20	

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot (D-G)/(D+G)$

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$



Form 3 - MS / MSD Recoveries

Project Name: HAAF Perimeter Hunter Army Airfield

Report Date: 09/21/07 12:53

Project ID: Task Order 0090

Work Order #: 12607

Lab Batch ID: 37410

Reporting Units: ug/L

QC- Sample ID: 12607-002 MS

Batch #: 1 Matrix: W

VOCs by SW8260B		Analytes										Control Limits %R	Control Limits %RPD	Flag
Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag				
Hexachlorobutadiene	<0.13	50	53	106	50	102	4	70-130	20					
Isopropylbenzene	<0.15	50	52	104	50	102	2	70-130	20					
Methylene Chloride	<0.42	50	51	102	50	100	2	70-130	20					
Methyl tert-Butyl Ether	<0.11	100	91	91	89	89	2	70-130	20					
m-Xylene/p-Xylene	<0.51	100	100	100	100	100	0	70-130	20					
Naphthalene	14	50	64	100	67	106	6	70-130	20					
n-Butylbenzene	<0.17	50	54	108	52	104	4	70-130	20					
n-Propylbenzene	<0.18	50	51	102	49	98	4	70-130	20					
o-Xylene	<0.20	50	52	104	51	102	2	70-130	20					
Sec-Butylbenzene	<0.21	50	52	104	51	102	2	70-130	20					
Styrene	<0.18	50	52	104	50	100	4	70-130	20					
tert-Butylbenzene	<0.18	50	57	114	56	112	2	70-130	20					
Tetrachloroethene	<0.16	50	35	70	33	66	6	70-130	20	Z				
Toluene	<0.14	50	50	100	48	96	4	70-130	20					
trans-1,2-Dichloroethene	<0.21	50	49	98	46	92	6	70-130	20					
trans-1,3-Dichloropropene	<0.11	50	48	96	46	92	4	70-130	20					
Trichloroethene	<0.19	50	52	104	49	98	6	70-130	20					
Trichlorofluoromethane	<0.53	50	49	98	46	92	6	70-130	20					
Vinyl acetate	<1.3	50	47	94	46	92	2	70-130	20					
Vinyl chloride	<0.19	50	47	94	44	88	7	70-130	20					

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: HAAF Perimeter Hunter Army Airfield

Report Date: 09/21/07 12:53

Project ID: Task Order 0090

Work Order #: 12607

Lab Batch ID: 37414

Reporting Units: ug/L

QC- Sample ID: 12637-006 MS

Batch #: 1 Matrix: W

Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										Control Limits %RPD	Control Limits %R	RPD %	Spiked Dup. %R [G]	Duplicate Spiked Sample Result [F]	Spiked Sample %R [D]	Spiked Sample Result [C]	Spike Added [B]	Parent Sample Result [A]	VOCs by SW8260B
1,1,1,2-Tetrachloroethane	<0.75	50	46	92	50	45	90	2	70-130	20										
1,1,1-Trichloroethane	<0.71	50	51	102	50	49	98	4	70-130	20										
1,1,2,2-Tetrachloroethane	<2.0	50	41	82	50	43	86	5	70-130	20										
1,1,2-Trichloroethane	<0.88	50	43	86	50	43	86	0	70-130	20										
1,1-Dichloroethane	<0.74	50	50	100	50	48	96	4	70-130	20										
1,1-Dichloroethene	<0.98	50	52	104	50	50	100	4	70-130	20										
1,1-Dichloropropene	<0.95	50	52	104	50	49	98	6	70-130	20										
1,2,3-Trichlorobenzene	<2.6	50	43	86	50	47	94	9	70-130	20										
1,2,3-Trichloropropane	<1.0	50	41	82	50	41	82	0	70-130	20										
1,2,4-Trichlorobenzene	<1.3	50	46	92	50	50	100	8	70-130	20										
1,2,4-Trimethylbenzene	<0.85	50	49	98	50	49	98	0	70-130	20										
1,2-Dibromo-3-chloropropane	<2.8	50	37	74	50	40	80	8	70-130	20										
1,2-Dibromoethane	<0.79	50	45	90	50	44	88	2	70-130	20										
1,2-Dichlorobenzene	<0.73	50	48	96	50	49	98	2	70-130	20										
1,2-Dichloroethane	<0.82	50	48	96	50	46	92	4	70-130	20										
1,2-Dichloropropane	<0.81	50	49	98	50	48	96	2	70-130	20										
1,3,5-Trimethylbenzene	<0.71	50	50	100	50	49	98	2	70-130	20										
1,3-Dichlorobenzene	<0.74	50	50	100	50	50	100	0	70-130	20										
1,3-Dichloropropane	<0.79	50	44	88	50	44	88	0	70-130	20										
1,4-Dichlorobenzene	<0.59	50	49	98	50	50	100	2	70-130	20										
2,2-Dichloropropane	<0.98	50	54	108	50	52	104	4	70-130	20										
2-Butanone	<1.3	100	83	83	100	80	80	4	70-130	20										
2-Chlorotoluene	<0.92	50	48	96	50	47	94	2	70-130	20										
2-Hexanone	<2.5	100	70	70	100	68	68	3	70-130	20										Z

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: HAAF Perimeter Hunter Army Airfield

Report Date: 09/21/07 12:53

Project ID: Task Order 0090

Work Order #: 12607

Lab Batch ID: 37414

Reporting Units: ug/L

QC- Sample ID: 12637-006 MS

Batch #: 1

Matrix: W

VOCs by SW8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
4-Chlorotoluene	<0.89	50	48	96	50	48	96	0	70-130	20	
4-Methyl-2-pentanone	<2.2	100	80	80	100	79	79	1	70-130	20	
Acetone	<1.4	100	71	71	100	73	73	3	70-130	20	
Acrolein	<5.9	100	73	73	100	72	72	1	70-130	20	
Acrylonitrile	<1.4	100	<1.4	0	100	130	130	NC	70-130	20	Z
Benzene	<0.67	50	51	102	50	50	100	2	70-130	20	
Bromobenzene	<3.4	50	45	90	50	45	90	0	70-130	20	
Bromochloromethane	<0.47	50	50	100	50	48	96	4	70-130	20	
Bromodichloromethane	<0.96	50	49	98	50	48	96	2	70-130	20	
Bromoform	<1.4	50	44	88	50	44	88	0	70-130	20	
Bromomethane	<2.7	50	55	110	50	52	104	6	70-130	20	
Carbon disulfide	<0.73	50	64	128	50	57	114	12	70-130	20	
Carbon Tetrachloride	<0.89	50	52	104	50	50	100	4	70-130	20	
Chlorobenzene	<0.59	50	48	96	50	47	94	2	70-130	20	
Chloroethane	<2.2	50	58	116	50	54	108	7	70-130	20	
Chloroform	<1.4	50	52	104	50	49	98	6	70-130	20	
Chloromethane	<1.2	50	51	102	50	48	96	6	70-130	20	
cis-1,2-Dichloroethene	<0.80	50	49	98	50	48	96	2	70-130	20	
cis-1,3-Dichloropropene	<0.76	50	49	98	50	48	96	2	70-130	20	
Dibromochloromethane	<0.79	50	45	90	50	45	90	0	70-130	20	
Dibromomethane	<0.60	50	48	96	50	47	94	2	70-130	20	
Dichlorodifluoromethane	<0.73	50	48	96	50	46	92	4	70-130	20	
Ethylbenzene	<0.66	50	49	98	50	48	96	2	70-130	20	
Hexachlorobutadiene	<1.0	50	49	98	50	49	98	0	70-130	20	

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot (D-G)/(D+G)$

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$



Form 3 - MS / MSD Recoveries

Project Name: HAAF Perimeter Hunter Army Airfield

Report Date: 09/21/07 12:53

Project ID: Task Order 0090

Work Order #: 12607

Lab Batch ID: 37414

Reporting Units: ug/L

QC- Sample ID: 12637-006 MS

Batch #: 1

Matrix: W

VOCs by SW8260B		Analytes										Control Limits %RPD	Control Limits %R	RPD %	Spiked Dup. %R [G]	Duplicate Spiked Sample Result [F]	Spiked Sample %R [D]	Spike Added [E]	Spiked Sample Result [C]	Spike Added [B]	Parent Sample Result [A]
Analytes																					
Isopropylbenzene		<1.0	50	49	98	50	49	98	0	70-130	20										
Methylene Chloride		<0.92	50	54	108	50	52	104	4	70-130	20										
Methyl tert-Butyl Ether		<0.62	100	90	90	100	90	90	0	70-130	20										
m-Xylene/p-Xylene		<1.2	100	100	100	100	99	99	1	70-130	20										
Naphthalene		<4.0	50	39	78	50	43	86	10	70-130	20										
n-Butylbenzene		<0.96	50	49	98	50	49	98	0	70-130	20										
n-Propylbenzene		<0.73	50	48	96	50	48	96	0	70-130	20										
o-Xylene		<0.57	50	50	100	50	48	96	4	70-130	20										
Sec-Butylbenzene		<0.88	50	50	100	50	49	98	2	70-130	20										
Styrene		<0.56	50	50	100	50	49	98	2	70-130	20										
Tetrachloroethene		<1.8	50	34	68	50	33	66	3	70-130	20	Z									
Toluene		<0.68	50	49	98	50	48	96	2	70-130	20										
trans-1,2-Dichloroethene		<0.73	50	50	100	50	49	98	2	70-130	20										
trans-1,3-Dichloropropene		<0.84	50	45	90	50	45	90	0	70-130	20										
Trichloroethene		<0.72	50	50	100	50	48	96	4	70-130	20										
Trichlorofluoromethane		<0.85	50	52	104	50	50	100	4	70-130	20										
Vinyl acetate		<1.2	50	<1.2	0	50	<1.2	0	NC	70-130	20	Z									
Vinyl chloride		<1.1	50	55	110	50	52	104	6	70-130	20										

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot (D-G)/(D+G)$
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$



Accura Analytical Laboratory

Abbreviations and EPA Qualifier Codes used by AAL

Rep Limit: This abbreviation on our analytical reports is for: Reporting Limit (RL).

BRL: This abbreviation indicates that the analytical results were Below the Reporting Limit (BRL).

MDL: The Method Detection Limit (MDL), as defined by 40 CFR Part 136, Appendix B, is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero.

U: The compound was analyzed for, but not detected above the specified MDL.

J: This indicates an estimated value. The target analyte is *positively identified*, but the reported numerical result (analyte concentration) is an *estimated* value and the direction of the bias is unknown. The result is above the MDL, but below the RL.

B: This is used when the analyte is found in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. The flag shall be used for a tentatively identified compound as well as for a positively identified target compound.

D: This flag indicates that the identified analyte is reported from the dilution analysis.

E: This identifies compounds whose concentrations exceed the upper level of the linear calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract should be diluted and re-analyzed.

Note: For Xylenes, Total, where three isomers are quantified as two peaks, the calibration range of each peak is considered separately.

F: The Relative Percent Difference (RPD) between recoveries of either analytes or QC spikes were outside the laboratory or method control limits. Supporting QC data was reviewed by the Department Supervisor and/or QA Officer. Results were determined to be valid for reporting.

X: This qualifier is defined by the laboratory in written case narrative.

Z: QC Surrogates/ QC Lab Spikes results are outside the laboratory or method quality control limits. Supporting QC data was reviewed by the Department Supervisor and/or QA Officer. Results were determined to be valid for reporting.

ZZ: QC Surrogates/ QC Lab Spikes results are outside the laboratory or method quality control limits in multiple QC samples. Supporting QC data was reviewed by the Department Supervisor and/or QA Officer. Results were determined to be valid for reporting.

***: Surrogate recoveries were diluted out.



Analytical Management Laboratories, Inc.
15130 South Keeler, Olathe, Kansas 66062
(913) 829-0101

October 11, 2007

Mr. Judson Smith
Project Chemist, CESAS-EN-GG
U.S. Army Corps of Engineers, Savannah District
100 W. Oglethorpe Ave.
P. O. Box 889
Savannah, GA 31401-0360
Phone: 912-652-5673
Fax: 912-652-5311

Dear Mr. Smith:

RE: Hunter AAF, Task Order# 0085
W912HN-05-D-0013
AML Work Order Number: 0710034

Attached, please find the hardcopy analytical report (14 total pages) for environmental samples collected by CESAS for the project described above. Problems encountered in the analysis of these samples are documented in the laboratory case narrative. The electronic data deliverables (EDDs) for this report will be e-mailed within a few days of this report. Please feel free to contact me by phone (913-829-0101-ext. 23), fax (913-829-1181) or email (mharris@amlabinc.com) if you have any questions.

Respectfully Submitted,
Analytical Management Laboratories, Inc.

A handwritten signature in dark ink, appearing to read 'Melania Harris', is written over a horizontal line.
Melania Harris
Project Manager

Project:	Hunter AAF, Task Order# 0085
Your Reference:	W912HN-05-D-0013
Our Reference:	AML Work Order Number: 0710034

Project and Sample Information

Technical support for the analysis of samples collected for the referenced project was provided by Xenco/Accura Analytical Laboratory, Inc, 6017 Financial Drive, Norcross, GA 30071. The analytical reports prepared by the subcontract laboratories are attached. Please feel free to contact Mr. David Fuller directly (770-449-8800) for Xenco/Accura data if there are any questions on these reports.

Field Sample Information

(Chain of Custody Record, Sample Receipt Report,
Condition Upon Receipt Report)

0710034

(Sample Delivery Group, SDG)

Analytical Management Laboratories - Sample Status and Receipt Report

Report Lvl. 3

USACE Savannah

Client AML ID

0710034

AML Project Number

Hunter AAF, DO# 0085

Client Project ID

09/01/07

Work Order Due Date

AML Sample	Matrix	Client Sample ID	Date		Projected Analytical Due Date	Analysis	Comments
			Collected				
0710034-01	Soil	SS-10	08/10/07 09:55		08/25/07	Solids, Dry Weight	
0710034-01	Soil	SS-10	08/10/07 09:55		08/25/07	VOCs by 8260B	
0710034-02	Soil	SS-9	08/10/07 09:10		08/25/07	Solids, Dry Weight	
0710034-02	Soil	SS-9	08/10/07 09:10		08/25/07	VOCs by 8260B	
0710034-03	Soil	SS-8	08/10/07 09:30		08/25/07	Solids, Dry Weight	
0710034-03	Soil	SS-8	08/10/07 09:30		08/25/07	VOCs by 8260B	
0710034-04	Soil	SS-7	08/10/07 10:04		08/25/07	VOCs by 8260B	
0710034-04	Soil	SS-7	08/10/07 10:04		08/25/07	Solids, Dry Weight	
0710034-05	Soil	SS-1	08/10/07 10:20		08/25/07	VOCs by 8260B	
0710034-05	Soil	SS-1	08/10/07 10:20		08/25/07	Solids, Dry Weight	
0710034-06	Soil	SS-2	08/10/07 10:35		08/25/07	VOCs by 8260B	
0710034-06	Soil	SS-2	08/10/07 10:35		08/25/07	Solids, Dry Weight	
0710034-07	Soil	SS-6	08/10/07 11:00		08/25/07	VOCs by 8260B	
0710034-07	Soil	SS-6	08/10/07 11:00		08/25/07	Solids, Dry Weight	
0710034-08	Soil	SS-3	08/10/07 11:20		08/25/07	VOCs by 8260B	
0710034-08	Soil	SS-3	08/10/07 11:20		08/25/07	Solids, Dry Weight	
0710034-09	Soil	SS-5	08/10/07 11:55		08/25/07	VOCs by 8260B	
0710034-09	Soil	SS-5	08/10/07 11:55		08/25/07	Solids, Dry Weight	
0710034-10	Soil	SS-4	08/10/07 12:20		08/25/07	VOCs by 8260B	
0710034-10	Soil	SS-4	08/10/07 12:20		08/25/07	Solids, Dry Weight	

Subcontracted Report

0710034

(AML Sample Delivery Group, SDG)

Accura Analytical Laboratory, Inc-

AAL Work Order No: 12467

(Laboratory)



11-OCT-07

Analytical Management Laboratories, Inc.
15130 South Keeler
Olathe, KS 66062
Client Contact: Vis Viswanathan

Reference: Accura Analytical Laboratory, Inc. (AAL) Work Order No: 12467
Project Name :Hunter AAF Perimeter Sampling
Project Number:

Dear Vis Viswanathan :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Chain of Custody(s) Numbered 183833 . All results being reported under this Chain of Custody apply to the samples analyzed and properly identified with an AAL Sample ID number.

All the results for the quality control samples were reviewed. Also, all parameters for data reduction and validation were reviewed. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by AAL. This report will be filed for at least 7 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. 183833 will be filed for 90 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Accura Analytical Laboratory Inc. to serve your analytical needs. If you have any questions concerning this report, please feel free to contact me at any time.

Sincerely,

Sherri W. Hernandez
Project Manager

6017 Financial Drive Norcross, GA 30071
Phone: 770-449-8800 Fax: 770-449-5477



ACCURA ANALYTICAL LABORATORY, INC. (AAL)

6017 Financial Drive, Norcross, GA 30071, Phone: (770) 449-8800

FL Certification #E87429 • NC Certification #483

SC Certification #98015 • Utah Certification #AALI1

USACE Approved • Navy Certification Code NFESC 413

Case Narrative

AAL Work Order # 12467

Client Project: Hunter AAF Perimeter Sampling

Accura Analytical Laboratory Inc. certifies that the results meet all requirements of the NELAC Standards.

The data package includes a 1 page case narrative, 1 Chain of Custody page, 1 page Sample Receipt Checklist, 24 analytical results pages, 5 QC surrogate recovery pages, 1 QC Blank Spike recovery page, 1 QC Matrix Spike / Matrix Spike Duplicate recovery page, 2 QC Sample Duplicate recovery pages, and a list of common EPA qualifier codes and abbreviations used by AAL.

The following items were noted concerning this work order:

VOCs by SW8260B Notations:

1. The response of one or more internal standard was outside the method specified limit for the following samples due to possible matrix interference: 12467-001 (SS-10), 12467-009 (SS-5), 12467-010 (SS-4), 12467-004MS and 12467-004MSD (SS-7). Samples were re-analyzed and confirmed the matrix interference.
2. The CCV internal standard areas were outside the initial calibration midlevel standard areas. The CCC compounds and SPCC compounds all pass the method required limits.

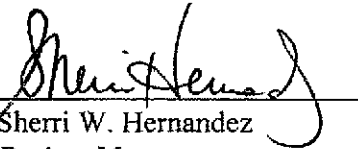
Mei Liang
Senior VOC Analyst

August 16, 2007
Date

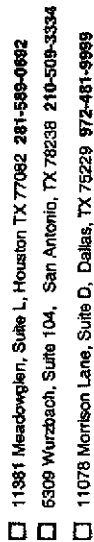
Project Manager's Notations:

1. The soil sample results are reported on a dry weight basis. (Moisture correction applied)

This Case Narrative & Notations have been generated, reviewed, and edited by:


Sherri W. Hernandez
Project Manager

October 11, 2007
Date



ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

☐ ANALYSIS REQUEST & CHAIN OF CUSTODY 5757 N.W. 158th Street, Miami Lakes, FL 33014 305-823-8500

☐ 2618 South Falkenburg Rd, Riverview, FL 33589 813-820-2000

LAB ONLY:

LAB ONLY: 12467

Serial #: 100000 Page of

[illegible]

Preservatives: Various (V), HCl pH<2 (H), H₂SO₄ pH<2 (S), HNO₃ pH<2 (N), Asb. Acid&NaOH (A), ZnAc&NaOH (Z), None (NA), See Label (L), Other (O) MuH₂O₄/METHASULF
 Cont. Size: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (5), Tiedlar Bag (B), Wine (W), Other
 Cont. Type: Glass Amb (A), Glass Clear (C), Plastic (P), Other (O)

Matrix: Air (A), Product (P), Solid(S), Water (W)

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Prelogin/Nonconformance Report- Sample Log-In

Client: USACE SAVANNAH DISTRICT
Date/ Time: 08/11/07 09:57
Lab ID #: 12467
Initials: DL

Sample Receipt Checklist

#1 Temperature of container/ cooler?	<u>Yes</u>	No	N/A	<u>2</u> °C
#2 Shipping container in good condition?	<u>Yes</u>	No	None	
#3 Samples received on ice?	<u>Yes</u>	No	N/A	Blue/Water
#4 Custody Seals intact on shipping container/ cooler?	<u>Yes</u>	No	N/A	
#5 Custody Seals intact on sample bottles/ container?	Yes	No	<u>N/A</u>	
#6 Chain of Custody present?	<u>Yes</u>	No		
#7 Sample instructions complete of Chain of Custody?	<u>Yes</u>	No		
#8 Any missing/extra samples?	Yes	<u>No</u>		
#9 Chain of Custody signed when relinquished/ received?	<u>Yes</u>	No		
#10 Chain of Custody agrees with sample label(s)?	<u>Yes</u>	No		
#11 Container label(s) legible and intact?	<u>Yes</u>	No		
#12 Sample matrix/ properties agree with Chain of Custody?	<u>Yes</u>	No		
#13 Samples in proper container/ bottle?	<u>Yes</u>	No		
#14 Samples properly preserved?	<u>Yes</u>	No	N/A	
#15 Sample container intact?	<u>Yes</u>	No		
#16 Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
#17 All samples received within sufficient hold time?	<u>Yes</u>	No		
#18 Subcontract of sample(s)?	Yes	<u>No</u>	N/A	
#19 VOC samples have zero headspace?	Yes	No	<u>N/A</u>	

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____
Regarding: FEDEX# 8597 05150550
SEAL OF CUSTODY: 08/10/07

Corrective Action Taken:

Check all that Apply:

☐
☐

Client understands and would like to proceed with analysis
Cooling process had begun shortly after sampling event

SN
8/11/07



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-10	Matrix: SOIL	% Moisture: 25
Lab Sample Id: 12467-001	Date Collected: Aug-10-07 09:55	Date Received: Aug-11-07 10:00
Sample Depth: 2.2 - 2.9 ft		

Analytical Method: VOCs by SW8260B				Prep Method: SW5035			
Date Analyzed: Aug-14-07 14:52		Analyst: MJL01		Date Prep: Aug-14-07 09:35		Tech: MJL01	
Seq Number: 37048							
Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	7.0	0.73	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	7.0	1.0	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	7.0	1.7	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	7.0	0.93	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	7.0	1.1	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	7.0	1.6	ug/kg	U	1
1,1-Dichloropropene	563-58-6	BRL	7.0	0.75	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	7.0	0.80	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	BRL	7.0	2.3	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	7.0	1.2	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	7.0	2.3	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	7.0	1.8	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	7.0	0.83	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	7.0	1.3	ug/kg	U	1
1,3,5-trimethylbenzene	108-67-8	BRL	7.0	1.1	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	7.0	1.4	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	7.0	0.96	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	7.0	0.95	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	7.0	0.84	ug/kg	U	1
2-Butanone	78-93-3	BRL	70	13	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	7.0	0.99	ug/kg	U	1
2-Hexanone	591-78-6	BRL	70	1.6	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	7.0	0.77	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	70	4.5	ug/kg	U	1
Acetone	67-64-1	58	70	9.6	ug/kg	J	1
Acrolein	107-02-8	BRL	14	6.2	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	14	7.0	ug/kg	U	1
Benzene	71-43-2	BRL	7.0	0.72	ug/kg	U	1
Bromobenzene	108-86-1	BRL	7.0	1.2	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	7.0	1.4	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	7.0	0.70	ug/kg	U	1
Bromoform	75-25-2	BRL	7.0	1.3	ug/kg	U	1
Bromomethane	74-83-9	BRL	7.0	3.4	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	7.0	2.0	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	7.0	1.0	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	14	0.81	ug/kg	U	1
Chloroethane	75-00-3	BRL	7.0	3.4	ug/kg	U	1
Chloroform	67-66-3	BRL	7.0	1.0	ug/kg	U	1
Chloromethane	74-87-3	BRL	7.0	3.2	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	7.0	0.92	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	7.0	0.75	ug/kg	U	1
cis-1,4-Dichloro-2-Butene	1476-11-5	BRL	7.0	1.7	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	7.0	1.4	ug/kg	U	1
Dibromomethane	74-95-3	BRL	7.0	0.85	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	7.0	1.6	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: **SS-10**
Lab Sample Id: **12467-001**
Sample Depth: **2.2 - 2.9 ft**

Matrix: **SOIL**
Date Collected: **Aug-10-07 09:55**

% Moisture: **25**
Date Received: **Aug-11-07 10:00**

Analytical Method: **VOCs by SW8260B**

Prep Method: **SW5035**

Date Analyzed: **Aug-14-07 14:52**

Analyst: **MJL01**

Date Prep: **Aug-14-07 09:35**

Tech: **MJL01**

Seq Number: **37048**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Ethylbenzene	100-41-4	BRL	7.0	0.79	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	7.0	1.2	ug/kg	U	1
Iodomethane (Methyl Iodide)	74-88-4	BRL	7.0	2.0	ug/kg	U	1
Diisopropyl Ether	108-20-3	BRL	7.0	1.8	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	7.0	1.1	ug/kg	U	1
Methyl Methacrylate	80-62-6	BRL	7.0	3.3	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	7.0	0.97	ug/kg	U	1
Methylene Chloride	75-09-2	BRL	7.0	3.0	ug/kg	U	1
Naphthalene	91-20-3	BRL	7.0	1.8	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	7.0	1.2	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	7.0	1.1	ug/kg	U	1
4-Isopropyltoluene	99-87-6	BRL	7.0	1.1	ug/kg	U	1
Sec-Butylbenzene	135-98-8	BRL	7.0	0.92	ug/kg	U	1
Styrene	100-42-5	BRL	7.0	1.0	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	7.0	1.2	ug/kg	U	1
Tetrachloroethylene	127-18-4	BRL	7.0	1.4	ug/kg	U	1
Toluene	108-88-3	BRL	7.0	0.82	ug/kg	U	1
trans-1,2-dichloroethene	156-60-5	BRL	7.0	1.1	ug/kg	U	1
trans-1,3-dichloropropene	10061-02-6	BRL	7.0	0.93	ug/kg	U	1
trans-1,4-Dichloro-2-Butene	110-57-6	BRL	7.0	2.3	ug/kg	U	1
Trichloroethene	79-01-6	BRL	7.0	0.99	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	7.0	4.9	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	7.0	1.0	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	7.0	2.8	ug/kg	U	1
Xylenes, Total	1330-20-7	BRL	21	2.6	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-9
Lab Sample Id: 12467-002
Sample Depth: 2.9 - 3.6 ft

Matrix: SOIL
Date Collected: Aug-10-07 09:10

% Moisture: 20
Date Received: Aug-11-07 10:00

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-15-07 11:38

Analyst: MJL01

Date Prep: Aug-15-07 08:53

Tech: MJL01

Seq Number: 37052

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.8	0.61	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	5.8	0.88	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.8	1.4	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	5.8	0.78	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	5.8	0.94	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	5.8	1.4	ug/kg	U	1
1,1-Dichloropropene	563-58-6	BRL	5.8	0.63	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.8	0.67	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	BRL	5.8	1.9	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.8	1.0	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.8	1.9	ug/kg	U	1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	5.8	1.0	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	5.8	1.5	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	5.8	0.70	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	5.8	1.1	ug/kg	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.8	0.95	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	5.8	1.2	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	5.8	0.80	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	5.8	0.80	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	5.8	0.70	ug/kg	U	1
2-Butanone	78-93-3	BRL	58	11	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	5.8	0.83	ug/kg	U	1
2-Hexanone	591-78-6	BRL	58	1.3	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	5.8	0.64	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	58	3.8	ug/kg	U	1
Acetone	67-64-1	BRL	58	8.0	ug/kg	U	1
Acrolein	107-02-8	BRL	12	5.2	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	12	5.8	ug/kg	U	1
Benzene	71-43-2	BRL	5.8	0.60	ug/kg	U	1
Bromobenzene	108-86-1	BRL	5.8	1.0	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	5.8	1.2	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	5.8	0.58	ug/kg	U	1
Bromoform	75-25-2	BRL	5.8	1.1	ug/kg	U	1
Bromomethane	74-83-9	BRL	5.8	2.9	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	5.8	1.7	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	5.8	0.87	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	12	0.68	ug/kg	U	1
Chloroethane	75-00-3	BRL	5.8	2.9	ug/kg	U	1
Chloroform	67-66-3	BRL	5.8	0.86	ug/kg	U	1
Chloromethane	74-87-3	BRL	5.8	2.7	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	5.8	0.77	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.8	0.63	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	5.8	1.2	ug/kg	U	1
Dibromomethane	74-95-3	BRL	5.8	0.71	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	5.8	1.4	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-9	Matrix: SOIL	% Moisture: 20
Lab Sample Id: 12467-002	Date Collected: Aug-10-07 09:10	Date Received: Aug-11-07 10:00
Sample Depth: 2.9 - 3.6 ft		

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-15-07 11:38

Analyst: MJL01

Date Prep: Aug-15-07 08:53

Tech: MJL01

Seq Number: 37052

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Ethylbenzene	100-41-4	BRL	5.8	0.66	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	5.8	0.99	ug/kg	U	1
Isopropyl Ether	108-20-3	BRL	5.8	1.5	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	5.8	0.88	ug/kg	U	1
m,p-Xylenes	179601-23-1	BRL	12	1.4	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	5.8	0.81	ug/kg	U	1
Methylene Chloride	75-09-2	BRL	5.8	2.5	ug/kg	U	1
Naphthalene	91-20-3	BRL	5.8	1.5	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	5.8	1.0	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	5.8	0.91	ug/kg	U	1
o-Xylene	95-47-6	BRL	5.8	0.83	ug/kg	U	1
p-Isopropyltoluene	99-87-6	BRL	5.8	0.93	ug/kg	U	1
sec-Butylbenzene	135-98-8	BRL	5.8	0.77	ug/kg	U	1
Styrene	100-42-5	BRL	5.8	0.87	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	5.8	0.97	ug/kg	U	1
Tetrachloroethene	127-18-4	BRL	5.8	1.2	ug/kg	U	1
Toluene	108-88-3	BRL	5.8	0.69	ug/kg	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	5.8	0.91	ug/kg	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	5.8	0.78	ug/kg	U	1
Trichloroethene	79-01-6	BRL	5.8	0.82	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	5.8	4.1	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	5.8	0.84	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	5.8	2.3	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-8	Matrix: SOIL	% Moisture: 17
Lab Sample Id: 12467-003	Date Collected: Aug-10-07 09:30	Date Received: Aug-11-07 10:00
Sample Depth: 3.0 - 3.5 ft		

Analytical Method: VOCs by SW8260B		Prep Method: SW5035	
Date Analyzed: Aug-15-07 13:29	Analyst: MJL01	Date Prep: Aug-15-07 08:53	Tech: MJL01
Seq Number: 37052			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	4.2	0.44	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	4.2	0.63	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	4.2	0.99	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	4.2	0.56	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	4.2	0.67	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	4.2	0.97	ug/kg	U	1
1,1-Dichloropropene	563-58-6	BRL	4.2	0.45	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	4.2	0.48	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	BRL	4.2	1.4	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	4.2	0.73	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	4.2	1.3	ug/kg	U	1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	4.2	0.72	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	4.2	1.1	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	4.2	0.50	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	4.2	0.77	ug/kg	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	4.2	0.68	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	4.2	0.83	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	4.2	0.57	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	4.2	0.57	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	4.2	0.50	ug/kg	U	1
2-Butanone	78-93-3	BRL	42	7.6	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	4.2	0.59	ug/kg	U	1
2-Hexanone	591-78-6	BRL	42	0.94	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	4.2	0.46	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	42	2.7	ug/kg	U	1
Acetone	67-64-1	7.2	42	5.7	ug/kg	J	1
Acrolein	107-02-8	BRL	8.3	3.7	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	8.3	4.2	ug/kg	U	1
Benzene	71-43-2	BRL	4.2	0.43	ug/kg	U	1
Bromobenzene	108-86-1	BRL	4.2	0.71	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	4.2	0.84	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	4.2	0.42	ug/kg	U	1
Bromoform	75-25-2	BRL	4.2	0.80	ug/kg	U	1
Bromomethane	74-83-9	BRL	4.2	2.0	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	4.2	1.2	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	4.2	0.62	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	8.3	0.48	ug/kg	U	1
Chloroethane	75-00-3	BRL	4.2	2.0	ug/kg	U	1
Chloroform	67-66-3	BRL	4.2	0.62	ug/kg	U	1
Chloromethane	74-87-3	BRL	4.2	1.9	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	4.2	0.55	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	4.2	0.45	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	4.2	0.83	ug/kg	U	1
Dibromomethane	74-95-3	BRL	4.2	0.51	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	4.2	0.98	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-8	Matrix: SOIL	% Moisture: 17
Lab Sample Id: 12467-003	Date Collected: Aug-10-07 09:30	Date Received: Aug-11-07 10:00
Sample Depth: 3.0 - 3.5 ft		

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-15-07 13:29

Analyst: MJL01

Date Prep: Aug-15-07 08:53

Tech: MJL01

Seq Number: 37052

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Ethylbenzene	100-41-4	BRL	4.2	0.47	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	4.2	0.71	ug/kg	U	1
Isopropyl Ether	108-20-3	BRL	4.2	1.1	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	4.2	0.63	ug/kg	U	1
m,p-Xylenes	179601-23-1	BRL	8.3	1.0	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	4.2	0.58	ug/kg	U	1
Methylene Chloride	75-09-2	3.1	4.2	1.8	ug/kg	J	1
Naphthalene	91-20-3	BRL	4.2	1.1	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	4.2	0.73	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	4.2	0.65	ug/kg	U	1
o-Xylene	95-47-6	BRL	4.2	0.60	ug/kg	U	1
p-Isopropyltoluene	99-87-6	BRL	4.2	0.67	ug/kg	U	1
sec-Butylbenzene	135-98-8	BRL	4.2	0.55	ug/kg	U	1
Styrene	100-42-5	BRL	4.2	0.62	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	4.2	0.69	ug/kg	U	1
Tetrachloroethene	127-18-4	BRL	4.2	0.86	ug/kg	U	1
Toluene	108-88-3	0.86	4.2	0.49	ug/kg	J	1
trans-1,2-Dichloroethene	156-60-5	BRL	4.2	0.65	ug/kg	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	4.2	0.56	ug/kg	U	1
Trichloroethene	79-01-6	BRL	4.2	0.59	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	4.2	2.9	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	4.2	0.60	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	4.2	1.7	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-7	Matrix: SOIL	% Moisture: 20
Lab Sample Id: 12467-004	Date Collected: Aug-10-07 10:04	Date Received: Aug-11-07 10:00
Sample Depth: 1.6 - 2.2 ft		

Analytical Method: VOCs by SW8260B		Prep Method: SW5035	
Date Analyzed: Aug-14-07 13:02	Analyst: MJL01	Date Prep: Aug-14-07 09:35	Tech: MJL01
Seq Number: 37048			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	6.7	0.70	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	6.7	1.0	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	6.7	1.6	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	6.7	0.90	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	6.7	1.1	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	6.7	1.6	ug/kg	U	1
1,1-Dichloropropene	563-58-6	BRL	6.7	0.72	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	6.7	0.77	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	BRL	6.7	2.2	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	6.7	1.2	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	6.7	2.2	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	6.7	1.7	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	6.7	0.80	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	6.7	1.2	ug/kg	U	1
1,3,5-trimethylbenzene	108-67-8	BRL	6.7	1.1	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	6.7	1.3	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	6.7	0.92	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	6.7	0.92	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	6.7	0.80	ug/kg	U	1
2-Butanone	78-93-3	BRL	6.7	12	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	6.7	0.95	ug/kg	U	1
2-Hexanone	591-78-6	BRL	6.7	1.5	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	6.7	0.74	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	6.7	4.3	ug/kg	U	1
Acetone	67-64-1	19	6.7	9.2	ug/kg	J	1
Acrolein	107-02-8	BRL	13	5.9	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	13	6.7	ug/kg	U	1
Benzene	71-43-2	BRL	6.7	0.69	ug/kg	U	1
Bromobenzene	108-86-1	BRL	6.7	1.1	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	6.7	1.3	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	6.7	0.67	ug/kg	U	1
Bromoform	75-25-2	BRL	6.7	1.3	ug/kg	U	1
Bromomethane	74-83-9	BRL	6.7	3.3	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	6.7	1.9	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	6.7	0.99	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	13	0.78	ug/kg	U	1
Chloroethane	75-00-3	BRL	6.7	3.3	ug/kg	U	1
Chloroform	67-66-3	BRL	6.7	0.99	ug/kg	U	1
Chloromethane	74-87-3	BRL	6.7	3.1	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	6.7	0.89	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	6.7	0.72	ug/kg	U	1
cis-1,4-Dichloro-2-Butene	1476-11-5	BRL	6.7	1.6	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	6.7	1.3	ug/kg	U	1
Dibromomethane	74-95-3	BRL	6.7	0.82	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	6.7	1.6	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-7
Lab Sample Id: 12467-004
Sample Depth: 1.6 - 2.2 ft

Matrix: SOIL
Date Collected: Aug-10-07 10:04

% Moisture: 20
Date Received: Aug-11-07 10:00

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-14-07 13:02

Analyst: MJL01

Date Prep: Aug-14-07 09:35

Tech: MJL01

Seq Number: 37048

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Ethylbenzene	100-41-4	BRL	6.7	0.76	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	6.7	1.1	ug/kg	U	1
Iodomethane (Methyl Iodide)	74-88-4	BRL	6.7	2.0	ug/kg	U	1
Diisopropyl Ether	108-20-3	BRL	6.7	1.7	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	6.7	1.0	ug/kg	U	1
Methyl Methacrylate	80-62-6	BRL	6.7	3.2	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	6.7	0.93	ug/kg	U	1
Methylene Chloride	75-09-2	4.2	6.7	2.9	ug/kg	J	1
Naphthalene	91-20-3	BRL	6.7	1.7	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	6.7	1.2	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	6.7	1.0	ug/kg	U	1
4-Isopropyltoluene	99-87-6	BRL	6.7	1.1	ug/kg	U	1
Sec-Butylbenzene	135-98-8	BRL	6.7	0.88	ug/kg	U	1
Styrene	100-42-5	BRL	6.7	0.99	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	6.7	1.1	ug/kg	U	1
Tetrachloroethylene	127-18-4	BRL	6.7	1.4	ug/kg	U	1
Toluene	108-88-3	BRL	6.7	0.79	ug/kg	U	1
trans-1,2-dichloroethene	156-60-5	BRL	6.7	1.0	ug/kg	U	1
trans-1,3-dichloropropene	10061-02-6	BRL	6.7	0.90	ug/kg	U	1
trans-1,4-Dichloro-2-Butene	110-57-6	BRL	6.7	2.2	ug/kg	U	1
Trichloroethene	79-01-6	BRL	6.7	0.95	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	6.7	4.7	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	6.7	0.97	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	6.7	2.7	ug/kg	U	1
Xylenes, Total	1330-20-7	BRL	20	2.5	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-1	Matrix: SOIL	% Moisture: 12
Lab Sample Id: 12467-005	Date Collected: Aug-10-07 10:20	Date Received: Aug-11-07 10:00
Sample Depth: 2.5 - 3.2 ft		

Analytical Method: VOCs by SW8260B		Prep Method: SW5035	
Date Analyzed: Aug-15-07 13:56	Analyst: MJL01	Date Prep: Aug-15-07 08:53	Tech: MJL01
Seq Number: 37052			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	6.0	0.63	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	6.0	0.90	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	6.0	1.4	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	6.0	0.80	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	6.0	0.96	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	6.0	1.4	ug/kg	U	1
1,1-Dichloropropene	563-58-6	BRL	6.0	0.64	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	6.0	0.69	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	BRL	6.0	2.0	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	6.0	1.0	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	6.0	1.9	ug/kg	U	1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	6.0	1.0	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	6.0	1.5	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	6.0	0.71	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	6.0	1.1	ug/kg	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	6.0	0.97	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	6.0	1.2	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	6.0	0.82	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	6.0	0.82	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	6.0	0.72	ug/kg	U	1
2-Butanone	78-93-3	BRL	60	11	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	6.0	0.85	ug/kg	U	1
2-Hexanone	591-78-6	BRL	60	1.3	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	6.0	0.66	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	60	3.9	ug/kg	U	1
Acetone	67-64-1	BRL	60	8.2	ug/kg	U	1
Acrolein	107-02-8	BRL	12	5.3	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	12	6.0	ug/kg	U	1
Benzene	71-43-2	BRL	6.0	0.61	ug/kg	U	1
Bromobenzene	108-86-1	BRL	6.0	1.0	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	6.0	1.2	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	6.0	0.60	ug/kg	U	1
Bromoform	75-25-2	BRL	6.0	1.1	ug/kg	U	1
Bromomethane	74-83-9	BRL	6.0	2.9	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	6.0	1.7	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	6.0	0.89	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	12	0.69	ug/kg	U	1
Chloroethane	75-00-3	BRL	6.0	2.9	ug/kg	U	1
Chloroform	67-66-3	BRL	6.0	0.88	ug/kg	U	1
Chloromethane	74-87-3	BRL	6.0	2.8	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	6.0	0.79	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	6.0	0.64	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	6.0	1.2	ug/kg	U	1
Dibromomethane	74-95-3	BRL	6.0	0.73	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	6.0	1.4	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-1	Matrix: SOIL	% Moisture: 12
Lab Sample Id: 12467-005	Date Collected: Aug-10-07 10:20	Date Received: Aug-11-07 10:00
Sample Depth: 2.5 - 3.2 ft		

Analytical Method: **VOCs by SW8260B**

Prep Method: **SW5035**

Date Analyzed: **Aug-15-07 13:56**

Analyst: **MJL01**

Date Prep: **Aug-15-07 08:53**

Tech: **MJL01**

Seq Number: **37052**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Ethylbenzene	100-41-4	BRL	6.0	0.67	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	6.0	1.0	ug/kg	U	1
Isopropyl Ether	108-20-3	BRL	6.0	1.5	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	6.0	0.91	ug/kg	U	1
m,p-Xylenes	179601-23-1	BRL	12	1.4	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	6.0	0.83	ug/kg	U	1
Methylene Chloride	75-09-2	BRL	6.0	2.6	ug/kg	U	1
Naphthalene	91-20-3	BRL	6.0	1.6	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	6.0	1.1	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	6.0	0.93	ug/kg	U	1
o-Xylene	95-47-6	BRL	6.0	0.86	ug/kg	U	1
p-Isopropyltoluene	99-87-6	BRL	6.0	0.96	ug/kg	U	1
sec-Butylbenzene	135-98-8	BRL	6.0	0.78	ug/kg	U	1
Styrene	100-42-5	BRL	6.0	0.89	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	6.0	1.0	ug/kg	U	1
Tetrachloroethene	127-18-4	BRL	6.0	1.2	ug/kg	U	1
Toluene	108-88-3	BRL	6.0	0.70	ug/kg	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	6.0	0.93	ug/kg	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	6.0	0.80	ug/kg	U	1
Trichloroethene	79-01-6	BRL	6.0	0.84	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	6.0	4.2	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	6.0	0.86	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	6.0	2.4	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-2	Matrix: SOIL	% Moisture: 22
Lab Sample Id: 12467-006	Date Collected: Aug-10-07 10:35	Date Received: Aug-11-07 10:00
Sample Depth: 3.0 - 4.0 ft		

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-15-07 14:24

Analyst: MJL01

Date Prep: Aug-15-07 08:53

Tech: MJL01

Seq Number: 37052

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.5	0.58	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	5.5	0.83	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.5	1.3	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	5.5	0.74	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	5.5	0.88	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	5.5	1.3	ug/kg	U	1
1,1-Dichloropropene	563-58-6	BRL	5.5	0.59	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.5	0.63	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	BRL	5.5	1.8	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.5	0.96	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.5	1.8	ug/kg	U	1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	5.5	0.95	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	5.5	1.4	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	5.5	0.66	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	5.5	1.0	ug/kg	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.5	0.90	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	5.5	1.1	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	5.5	0.76	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	5.5	0.75	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	5.5	0.66	ug/kg	U	1
2-Butanone	78-93-3	BRL	5.5	1.0	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	5.5	0.78	ug/kg	U	1
2-Hexanone	591-78-6	BRL	5.5	1.2	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	5.5	0.61	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	5.5	3.6	ug/kg	U	1
Acetone	67-64-1	25	5.5	7.6	ug/kg	J	1
Acrolein	107-02-8	BRL	11	4.9	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	11	5.5	ug/kg	U	1
Benzene	71-43-2	BRL	5.5	0.57	ug/kg	U	1
Bromobenzene	108-86-1	BRL	5.5	0.94	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	5.5	1.1	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	5.5	0.55	ug/kg	U	1
Bromoform	75-25-2	BRL	5.5	1.1	ug/kg	U	1
Bromomethane	74-83-9	BRL	5.5	2.7	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	5.5	1.6	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	5.5	0.82	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	11	0.64	ug/kg	U	1
Chloroethane	75-00-3	BRL	5.5	2.7	ug/kg	U	1
Chloroform	67-66-3	BRL	5.5	0.82	ug/kg	U	1
Chloromethane	74-87-3	BRL	5.5	2.5	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	5.5	0.73	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.5	0.59	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	5.5	1.1	ug/kg	U	1
Dibromomethane	74-95-3	BRL	5.5	0.68	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	5.5	1.3	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-2	Matrix: SOIL	% Moisture: 22
Lab Sample Id: 12467-006	Date Collected: Aug-10-07 10:35	Date Received: Aug-11-07 10:00
Sample Depth: 3.0 - 4.0 ft		

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-15-07 14:24

Analyst: MJL01

Date Prep: Aug-15-07 08:53

Tech: MJL01

Seq Number: 37052

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Ethylbenzene	100-41-4	BRL	5.5	0.62	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	5.5	0.94	ug/kg	U	1
Isopropyl Ether	108-20-3	BRL	5.5	1.4	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	5.5	0.84	ug/kg	U	1
m,p-Xylenes	179601-23-1	BRL	11	1.3	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	5.5	0.76	ug/kg	U	1
Methylene Chloride	75-09-2	BRL	5.5	2.4	ug/kg	U	1
Naphthalene	91-20-3	BRL	5.5	1.4	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	5.5	0.97	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	5.5	0.86	ug/kg	U	1
o-Xylene	95-47-6	BRL	5.5	0.79	ug/kg	U	1
p-Isopropyltoluene	99-87-6	BRL	5.5	0.88	ug/kg	U	1
sec-Butylbenzene	135-98-8	BRL	5.5	0.72	ug/kg	U	1
Styrene	100-42-5	BRL	5.5	0.82	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	5.5	0.92	ug/kg	U	1
Tetrachloroethene	127-18-4	BRL	5.5	1.1	ug/kg	U	1
Toluene	108-88-3	BRL	5.5	0.65	ug/kg	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	5.5	0.86	ug/kg	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	5.5	0.74	ug/kg	U	1
Trichloroethene	79-01-6	BRL	5.5	0.78	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	5.5	3.9	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	5.5	0.79	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	5.5	2.2	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-6	Matrix: SOIL	% Moisture: 10
Lab Sample Id: 12467-007	Date Collected: Aug-10-07 11:00	Date Received: Aug-11-07 10:00
Sample Depth: 1.2 - 1.8 ft		

Analytical Method: VOCs by SW8260B		Prep Method: SW5035	
Date Analyzed: Aug-15-07 14:51	Analyst: MJL01	Date Prep: Aug-15-07 08:53	Tech: MJL01
Seq Number: 37052			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.8	0.61	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	5.8	0.88	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.8	1.4	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	5.8	0.78	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	5.8	0.94	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	5.8	1.4	ug/kg	U	1
1,1-Dichloropropene	563-58-6	BRL	5.8	0.63	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.8	0.67	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	BRL	5.8	1.9	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.8	1.0	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.8	1.9	ug/kg	U	1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	5.8	1.0	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	5.8	1.5	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	5.8	0.70	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	5.8	1.1	ug/kg	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.8	0.95	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	5.8	1.2	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	5.8	0.80	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	5.8	0.80	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	5.8	0.70	ug/kg	U	1
2-Butanone	78-93-3	BRL	58	11	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	5.8	0.83	ug/kg	U	1
2-Hexanone	591-78-6	BRL	58	1.3	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	5.8	0.65	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	58	3.8	ug/kg	U	1
Acetone	67-64-1	76	58	8.0	ug/kg		1
Acrolein	107-02-8	BRL	12	5.2	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	12	5.8	ug/kg	U	1
Benzene	71-43-2	BRL	5.8	0.60	ug/kg	U	1
Bromobenzene	108-86-1	BRL	5.8	1.0	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	5.8	1.2	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	5.8	0.59	ug/kg	U	1
Bromoform	75-25-2	BRL	5.8	1.1	ug/kg	U	1
Bromomethane	74-83-9	BRL	5.8	2.9	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	5.8	1.7	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	5.8	0.87	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	12	0.68	ug/kg	U	1
Chloroethane	75-00-3	BRL	5.8	2.9	ug/kg	U	1
Chloroform	67-66-3	BRL	5.8	0.87	ug/kg	U	1
Chloromethane	74-87-3	BRL	5.8	2.7	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	5.8	0.77	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.8	0.63	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	5.8	1.2	ug/kg	U	1
Dibromomethane	74-95-3	BRL	5.8	0.72	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	5.8	1.4	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-6	Matrix: SOIL	% Moisture: 10
Lab Sample Id: 12467-007	Date Collected: Aug-10-07 11:00	Date Received: Aug-11-07 10:00
Sample Depth: 1.2 - 1.8 ft		

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-15-07 14:51

Analyst: MJL01

Date Prep: Aug-15-07 08:53

Tech: MJL01

Seq Number: 37052

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Ethylbenzene	100-41-4	BRL	5.8	0.66	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	5.8	1.0	ug/kg	U	1
Isopropyl Ether	108-20-3	BRL	5.8	1.5	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	5.8	0.89	ug/kg	U	1
m,p-Xylenes	179601-23-1	BRL	12	1.4	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	5.8	0.81	ug/kg	U	1
Methylene Chloride	75-09-2	BRL	5.8	2.5	ug/kg	U	1
Naphthalene	91-20-3	BRL	5.8	1.5	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	5.8	1.0	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	5.8	0.91	ug/kg	U	1
o-Xylene	95-47-6	BRL	5.8	0.84	ug/kg	U	1
p-Isopropyltoluene	99-87-6	2.1	5.8	0.94	ug/kg	J	1
sec-Butylbenzene	135-98-8	BRL	5.8	0.77	ug/kg	U	1
Styrene	100-42-5	BRL	5.8	0.87	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	5.8	0.98	ug/kg	U	1
Tetrachloroethene	127-18-4	BRL	5.8	1.2	ug/kg	U	1
Toluene	108-88-3	1.2	5.8	0.69	ug/kg	J	1
trans-1,2-Dichloroethene	156-60-5	BRL	5.8	0.91	ug/kg	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	5.8	0.78	ug/kg	U	1
Trichloroethene	79-01-6	BRL	5.8	0.83	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	5.8	4.1	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	5.8	0.84	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	5.8	2.4	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-3	Matrix: SOIL	% Moisture: 22
Lab Sample Id: 12467-008	Date Collected: Aug-10-07 11:20	Date Received: Aug-11-07 10:00
Sample Depth: 2.4 - 2.9 ft		

Analytical Method: VOCs by SW8260B		Prep Method: SW5035	
Date Analyzed: Aug-15-07 15:19	Analyst: MJL01	Date Prep: Aug-15-07 08:53	Tech: MJL01
Seq Number: 37052			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	6.9	0.72	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	6.9	1.0	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	6.9	1.6	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	6.9	0.92	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	6.9	1.1	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	6.9	1.6	ug/kg	U	1
1,1-Dichloropropene	563-58-6	BRL	6.9	0.74	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	6.9	0.79	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	BRL	6.9	2.3	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	6.9	1.2	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	6.9	2.2	ug/kg	U	1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	6.9	1.2	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	6.9	1.8	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	6.9	0.82	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	6.9	1.3	ug/kg	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	6.9	1.1	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	6.9	1.4	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	6.9	0.94	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	6.9	0.94	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	6.9	0.82	ug/kg	U	1
2-Butanone	78-93-3	BRL	6.9	1.3	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	6.9	0.97	ug/kg	U	1
2-Hexanone	591-78-6	BRL	6.9	1.5	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	6.9	0.76	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	6.9	4.4	ug/kg	U	1
Acetone	67-64-1	56	6.9	9.4	ug/kg	J	1
Acrolein	107-02-8	BRL	14	6.1	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	14	6.9	ug/kg	U	1
Benzene	71-43-2	BRL	6.9	0.70	ug/kg	U	1
Bromobenzene	108-86-1	BRL	6.9	1.2	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	6.9	1.4	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	6.9	0.69	ug/kg	U	1
Bromoform	75-25-2	BRL	6.9	1.3	ug/kg	U	1
Bromomethane	74-83-9	BRL	6.9	3.4	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	6.9	2.0	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	6.9	1.0	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	14	0.79	ug/kg	U	1
Chloroethane	75-00-3	BRL	6.9	3.4	ug/kg	U	1
Chloroform	67-66-3	BRL	6.9	1.0	ug/kg	U	1
Chloromethane	74-87-3	BRL	6.9	3.2	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	6.9	0.91	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	6.9	0.74	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	6.9	1.4	ug/kg	U	1
Dibromomethane	74-95-3	BRL	6.9	0.84	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	6.9	1.6	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-3
Lab Sample Id: 12467-008
Sample Depth: 2.4 - 2.9 ft

Matrix: SOIL
Date Collected: Aug-10-07 11:20

% Moisture: 22
Date Received: Aug-11-07 10:00

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-15-07 15:19

Analyst: MJL01
Seq Number: 37052

Date Prep: Aug-15-07 08:53

Tech: MJL01

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Ethylbenzene	100-41-4	BRL	6.9	0.78	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	6.9	1.2	ug/kg	U	1
Isopropyl Ether	108-20-3	BRL	6.9	1.7	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	6.9	1.0	ug/kg	U	1
m,p-Xylenes	179601-23-1	BRL	14	1.7	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	6.9	0.95	ug/kg	U	1
Methylene Chloride	75-09-2	BRL	6.9	3.0	ug/kg	U	1
Naphthalene	91-20-3	BRL	6.9	1.8	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	6.9	1.2	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	6.9	1.1	ug/kg	U	1
o-Xylene	95-47-6	BRL	6.9	0.98	ug/kg	U	1
p-Isopropyltoluene	99-87-6	BRL	6.9	1.1	ug/kg	U	1
sec-Butylbenzene	135-98-8	BRL	6.9	0.90	ug/kg	U	1
Styrene	100-42-5	BRL	6.9	1.0	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	6.9	1.1	ug/kg	U	1
Tetrachloroethene	127-18-4	BRL	6.9	1.4	ug/kg	U	1
Toluene	108-88-3	BRL	6.9	0.81	ug/kg	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	6.9	1.1	ug/kg	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	6.9	0.92	ug/kg	U	1
Trichloroethene	79-01-6	BRL	6.9	0.97	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	6.9	4.8	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	6.9	0.99	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	6.9	2.8	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-5	Matrix: SOIL	% Moisture: 17
Lab Sample Id: 12467-009	Date Collected: Aug-10-07 11:55	Date Received: Aug-11-07 10:00
Sample Depth: 1.4 - 1.9 ft		

Analytical Method: VOCs by SW8260B		Prep Method: SW5035	
Date Analyzed: Aug-14-07 18:40	Analyst: MJL01	Date Prep: Aug-14-07 09:35	Tech: MJL01
Seq Number: 37048			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	6.6	0.70	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	6.6	1.0	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	6.6	1.6	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	6.6	0.89	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	6.6	1.1	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	6.6	1.5	ug/kg	U	1
1,1-Dichloropropene	563-58-6	8.7	6.6	0.71	ug/kg		1
1,2,3-Trichlorobenzene	87-61-6	BRL	6.6	0.76	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	30	6.6	2.2	ug/kg		1
1,2,4-Trichlorobenzene	120-82-1	BRL	6.6	1.2	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	6.6	2.1	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	6.6	1.7	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	6.6	0.79	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	6.6	1.2	ug/kg	U	1
1,3,5-trimethylbenzene	108-67-8	BRL	6.6	1.1	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	6.6	1.3	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	6.6	0.91	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	6.6	0.91	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	6.6	0.79	ug/kg	U	1
2-Butanone	78-93-3	BRL	66	12	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	6.6	0.94	ug/kg	U	1
2-Hexanone	591-78-6	9.6	66	1.5	ug/kg	J	1
4-Chlorotoluene	106-43-4	BRL	6.6	0.73	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	66	4.3	ug/kg	U	1
Acetone	67-64-1	78	66	9.1	ug/kg		1
Acrolein	107-02-8	BRL	13	5.9	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	13	6.6	ug/kg	U	1
Benzene	71-43-2	BRL	6.6	0.68	ug/kg	U	1
Bromobenzene	108-86-1	BRL	6.6	1.1	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	6.6	1.3	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	6.6	0.66	ug/kg	U	1
Bromoform	75-25-2	BRL	6.6	1.3	ug/kg	U	1
Bromomethane	74-83-9	BRL	6.6	3.3	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	6.6	1.9	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	6.6	0.98	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	13	0.77	ug/kg	U	1
Chloroethane	75-00-3	BRL	6.6	3.2	ug/kg	U	1
Chloroform	67-66-3	BRL	6.6	0.98	ug/kg	U	1
Chloromethane	74-87-3	BRL	6.6	3.1	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	6.6	0.88	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	6.6	0.71	ug/kg	U	1
cis-1,4-Dichloro-2-Butene	1476-11-5	BRL	6.6	1.6	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	6.6	1.3	ug/kg	U	1
Dibromomethane	74-95-3	BRL	6.6	0.81	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	6.6	1.6	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-5	Matrix: SOIL	% Moisture: 17
Lab Sample Id: 12467-009	Date Collected: Aug-10-07 11:55	Date Received: Aug-11-07 10:00
Sample Depth: 1.4 - 1.9 ft		

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-14-07 18:40

Analyst: MJL01

Date Prep: Aug-14-07 09:35

Tech: MJL01

Seq Number: 37048

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Ethylbenzene	100-41-4	BRL	6.6	0.75	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	6.6	1.1	ug/kg	U	1
Iodomethane (Methyl Iodide)	74-88-4	BRL	6.6	1.9	ug/kg	U	1
Diisopropyl Ether	108-20-3	BRL	6.6	1.7	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	6.6	1.0	ug/kg	U	1
Methyl Methacrylate	80-62-6	BRL	6.6	3.1	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	6.6	0.92	ug/kg	U	1
Methylene Chloride	75-09-2	BRL	6.6	2.9	ug/kg	U	1
Naphthalene	91-20-3	BRL	6.6	1.7	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	6.6	1.2	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	6.6	1.0	ug/kg	U	1
4-Isopropyltoluene	99-87-6	BRL	6.6	1.1	ug/kg	U	1
Sec-Butylbenzene	135-98-8	BRL	6.6	0.87	ug/kg	U	1
Styrene	100-42-5	BRL	6.6	0.98	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	6.6	1.1	ug/kg	U	1
Tetrachloroethylene	127-18-4	BRL	6.6	1.4	ug/kg	U	1
Toluene	108-88-3	BRL	6.6	0.78	ug/kg	U	1
trans-1,2-dichloroethene	156-60-5	BRL	6.6	1.0	ug/kg	U	1
trans-1,3-dichloropropene	10061-02-6	BRL	6.6	0.89	ug/kg	U	1
trans-1,4-Dichloro-2-Butene	110-57-6	BRL	6.6	2.2	ug/kg	U	1
Trichloroethene	79-01-6	BRL	6.6	0.94	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	6.6	4.7	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	6.6	0.96	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	6.6	2.7	ug/kg	U	1
Xylenes, Total	1330-20-7	BRL	20	2.5	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-4	Matrix: SOIL	% Moisture: 12
Lab Sample Id: 12467-010	Date Collected: Aug-10-07 12:20	Date Received: Aug-11-07 10:00
Sample Depth: 1.4 - 1.9 ft		

Analytical Method: VOCs by SW8260B		Prep Method: SW5035	
Date Analyzed: Aug-14-07 19:08	Analyst: MJL01	Date Prep: Aug-14-07 09:35	Tech: MJL01
Seq Number: 37048			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	6.5	0.68	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	6.5	0.97	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	6.5	1.5	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	6.5	0.86	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	6.5	1.0	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	6.5	1.5	ug/kg	U	1
1,1-Dichloropropene	563-58-6	9.4	6.5	0.70	ug/kg		1
1,2,3-Trichlorobenzene	87-61-6	BRL	6.5	0.74	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	29	6.5	2.1	ug/kg		1
1,2,4-Trichlorobenzene	120-82-1	BRL	6.5	1.1	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	6.5	2.1	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	6.5	1.7	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	6.5	0.77	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	6.5	1.2	ug/kg	U	1
1,3,5-trimethylbenzene	108-67-8	BRL	6.5	1.1	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	6.5	1.3	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	6.5	0.89	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	6.5	0.88	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	6.5	0.77	ug/kg	U	1
2-Butanone	78-93-3	BRL	65	12	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	6.5	0.91	ug/kg	U	1
2-Hexanone	591-78-6	BRL	65	1.5	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	6.5	0.71	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	65	4.2	ug/kg	U	1
Acetone	67-64-1	63	65	8.9	ug/kg	J	1
Acrolein	107-02-8	BRL	13	5.7	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	13	6.4	ug/kg	U	1
Benzene	71-43-2	BRL	6.5	0.66	ug/kg	U	1
Bromobenzene	108-86-1	BRL	6.5	1.1	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	6.5	1.3	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	6.5	0.65	ug/kg	U	1
Bromoform	75-25-2	BRL	6.5	1.2	ug/kg	U	1
Bromomethane	74-83-9	BRL	6.5	3.2	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	6.5	1.9	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	6.5	0.96	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	13	0.75	ug/kg	U	1
Chloroethane	75-00-3	BRL	6.5	3.2	ug/kg	U	1
Chloroform	67-66-3	BRL	6.5	0.96	ug/kg	U	1
Chloromethane	74-87-3	BRL	6.5	3.0	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	6.5	0.85	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	6.5	0.70	ug/kg	U	1
cis-1,4-Dichloro-2-Butene	1476-11-5	BRL	6.5	1.5	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	6.5	1.3	ug/kg	U	1
Dibromomethane	74-95-3	BRL	6.5	0.79	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	6.5	1.5	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: SS-4
Lab Sample Id: 12467-010
Sample Depth: 1.4 - 1.9 ft

Matrix: SOIL
Date Collected: Aug-10-07 12:20

% Moisture: 12
Date Received: Aug-11-07 10:00

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-14-07 19:08

Analyst: MJL01

Date Prep: Aug-14-07 09:35

Tech: MJL01

Seq Number: 37048

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Ethylbenzene	100-41-4	BRL	6.5	0.73	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	6.5	1.1	ug/kg	U	1
Iodomethane (Methyl Iodide)	74-88-4	BRL	6.5	1.9	ug/kg	U	1
Diisopropyl Ether	108-20-3	BRL	6.5	1.6	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	6.5	0.98	ug/kg	U	1
Methyl Methacrylate	80-62-6	BRL	6.5	3.0	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	6.5	0.89	ug/kg	U	1
Methylene Chloride	75-09-2	4.1	6.5	2.8	ug/kg	J	1
Naphthalene	91-20-3	BRL	6.5	1.7	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	6.5	1.1	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	6.5	1.0	ug/kg	U	1
4-Isopropyltoluene	99-87-6	BRL	6.5	1.0	ug/kg	U	1
Sec-Butylbenzene	135-98-8	BRL	6.5	0.85	ug/kg	U	1
Styrene	100-42-5	BRL	6.5	0.96	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	6.5	1.1	ug/kg	U	1
Tetrachloroethylene	127-18-4	BRL	6.5	1.3	ug/kg	U	1
Toluene	108-88-3	BRL	6.5	0.76	ug/kg	U	1
trans-1,2-dichloroethene	156-60-5	BRL	6.5	1.0	ug/kg	U	1
trans-1,3-dichloropropene	10061-02-6	BRL	6.5	0.86	ug/kg	U	1
trans-1,4-Dichloro-2-Butene	110-57-6	BRL	6.5	2.1	ug/kg	U	1
Trichloroethene	79-01-6	BRL	6.5	0.91	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	6.5	4.5	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	6.5	0.93	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	6.5	2.6	ug/kg	U	1
Xylenes, Total	1330-20-7	BRL	19	2.4	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: 303496 BLK	Matrix: SOIL	% Moisture:
Lab Sample Id: 303496 BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: VOCs by SW8260B		Prep Method: SW5035	
Date Analyzed: Aug-14-07 11:39	Analyst: MJL01	Date Prep: Aug-14-07 09:35	Tech: MJL01
Seq Number: 37048			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.0	0.53	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	5.0	0.75	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.0	1.2	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	5.0	0.67	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	5.0	0.80	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	5.0	1.2	ug/kg	U	1
1,1-Dichloropropene	563-58-6	BRL	5.0	0.54	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.0	0.57	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	BRL	5.0	1.6	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.0	0.87	ug/kg	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.0	0.72	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.0	1.6	ug/kg	U	1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	5.0	0.86	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	5.0	1.3	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	5.0	0.60	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	5.0	0.93	ug/kg	U	1
1,3,5-trimethylbenzene	108-67-8	BRL	5.0	0.81	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	5.0	1.0	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	5.0	0.69	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	5.0	0.68	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	5.0	0.60	ug/kg	U	1
2-Butanone	78-93-3	BRL	50	9.1	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	5.0	0.71	ug/kg	U	1
2-Hexanone	591-78-6	BRL	50	1.1	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	5.0	0.55	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	50	3.2	ug/kg	U	1
Acetone	67-64-1	BRL	50	6.9	ug/kg	U	1
Acrolein	107-02-8	BRL	10	4.4	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	10	5.0	ug/kg	U	1
Benzene	71-43-2	BRL	5.0	0.51	ug/kg	U	1
Bromobenzene	108-86-1	BRL	5.0	0.85	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	5.0	1.0	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	5.0	0.50	ug/kg	U	1
Bromoform	75-25-2	BRL	5.0	0.96	ug/kg	U	1
Bromomethane	74-83-9	BRL	5.0	2.5	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	5.0	1.5	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	5.0	0.74	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	10	0.58	ug/kg	U	1
Chloroethane	75-00-3	BRL	5.0	2.4	ug/kg	U	1
Chloroform	67-66-3	BRL	5.0	0.74	ug/kg	U	1
Chloromethane	74-87-3	BRL	5.0	2.3	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	5.0	0.66	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.0	0.54	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	5.0	0.99	ug/kg	U	1
Dibromomethane	74-95-3	BRL	5.0	0.61	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS
Hunter AAF Perimeter Sampling

Sample Id: 303496 BLK

Matrix: SOIL

% Moisture:

Lab Sample Id: 303496 BLK

Date Collected:

Date Received:

Sample Depth:

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-14-07 11:39

Analyst: MJL01

Date Prep: Aug-14-07 09:35

Tech: MJL01

Seq Number: 37048

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dichlorodifluoromethane	75-71-8	BRL	5.0	1.2	ug/kg	U	1
Ethylbenzene	100-41-4	BRL	5.0	0.57	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	5.0	0.85	ug/kg	U	1
Diisopropyl Ether	108-20-3	BRL	5.0	1.3	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	5.0	0.76	ug/kg	U	1
m,p-Xylene	179601-23-1	BRL	10	1.2	ug/kg	U	1
Methyl Methacrylate	80-62-6	BRL	5.0	2.4	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	5.0	0.69	ug/kg	U	1
Naphthalene	91-20-3	BRL	5.0	1.3	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	5.0	0.88	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	5.0	0.78	ug/kg	U	1
o-Xylene	95-47-6	BRL	5.0	0.72	ug/kg	U	1
4-Isopropyltoluene	99-87-6	BRL	5.0	0.80	ug/kg	U	1
Sec-Butylbenzene	135-98-8	BRL	5.0	0.66	ug/kg	U	1
Styrene	100-42-5	BRL	5.0	0.74	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	5.0	0.83	ug/kg	U	1
Tetrachloroethylene	127-18-4	BRL	5.0	1.0	ug/kg	U	1
Toluene	108-88-3	BRL	5.0	0.59	ug/kg	U	1
trans-1,2-dichloroethene	156-60-5	BRL	5.0	0.78	ug/kg	U	1
trans-1,3-dichloropropene	10061-02-6	BRL	5.0	0.67	ug/kg	U	1
Trichloroethene	79-01-6	BRL	5.0	0.71	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	5.0	3.5	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	5.0	0.72	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	5.0	2.0	ug/kg	U	1



Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS

Hunter AAF Perimeter Sampling

Sample Id: 303497 BLK	Matrix: SOIL	% Moisture:
Lab Sample Id: 303497 BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: VOCs by SW8260B		Prep Method: SW5035	
Date Analyzed: Aug-15-07 10:43	Analyst: MJL01	Date Prep: Aug-15-07 08:53	Tech: MJL01
Seq Number: 37052			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	5.0	0.53	ug/kg	U	1
1,1,1-Trichloroethane	71-55-6	BRL	5.0	0.75	ug/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	5.0	1.2	ug/kg	U	1
1,1,2-Trichloroethane	79-00-5	BRL	5.0	0.67	ug/kg	U	1
1,1-Dichloroethane	75-34-3	BRL	5.0	0.80	ug/kg	U	1
1,1-Dichloroethene	75-35-4	BRL	5.0	1.2	ug/kg	U	1
1,1-Dichloropropene	563-58-6	BRL	5.0	0.54	ug/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	5.0	0.57	ug/kg	U	1
1,2,3-Trichloropropane	96-18-4	BRL	5.0	1.6	ug/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	5.0	0.87	ug/kg	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	5.0	0.72	ug/kg	U	1
1,2-Dibromo-3-Chloropropane	96-12-8	BRL	5.0	1.6	ug/kg	U	1
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	5.0	0.86	ug/kg	U	1
1,2-Dichlorobenzene	95-50-1	BRL	5.0	1.3	ug/kg	U	1
1,2-Dichloroethane	107-06-2	BRL	5.0	0.60	ug/kg	U	1
1,2-Dichloropropane	78-87-5	BRL	5.0	0.93	ug/kg	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	5.0	0.81	ug/kg	U	1
1,3-Dichlorobenzene	541-73-1	BRL	5.0	1.0	ug/kg	U	1
1,3-Dichloropropane	142-28-9	BRL	5.0	0.69	ug/kg	U	1
1,4-Dichlorobenzene	106-46-7	BRL	5.0	0.68	ug/kg	U	1
2,2-Dichloropropane	594-20-7	BRL	5.0	0.60	ug/kg	U	1
2-Butanone	78-93-3	BRL	50	9.1	ug/kg	U	1
2-Chloroethyl Vinyl Ether	110-75-8	BRL	10	0.75	ug/kg	U	1
2-Chlorotoluene	95-49-8	BRL	5.0	0.71	ug/kg	U	1
2-Hexanone	591-78-6	BRL	50	1.1	ug/kg	U	1
4-Chlorotoluene	106-43-4	BRL	5.0	0.55	ug/kg	U	1
4-Methyl-2-Pentanone	108-10-1	BRL	50	3.2	ug/kg	U	1
Acetone	67-64-1	BRL	50	6.9	ug/kg	U	1
Acrolein	107-02-8	BRL	10	4.4	ug/kg	U	1
Acrylonitrile	107-13-1	BRL	10	5.0	ug/kg	U	1
Benzene	71-43-2	BRL	5.0	0.51	ug/kg	U	1
Bromobenzene	108-86-1	BRL	5.0	0.85	ug/kg	U	1
Bromochloromethane	74-97-5	BRL	5.0	1.0	ug/kg	U	1
Bromodichloromethane	75-27-4	BRL	5.0	0.50	ug/kg	U	1
Bromoform	75-25-2	BRL	5.0	0.96	ug/kg	U	1
Bromomethane	74-83-9	BRL	5.0	2.5	ug/kg	U	1
Carbon Disulfide	75-15-0	BRL	5.0	1.5	ug/kg	U	1
Carbon Tetrachloride	56-23-5	BRL	5.0	0.74	ug/kg	U	1
Chlorobenzene	108-90-7	BRL	10	0.58	ug/kg	U	1
Chloroethane	75-00-3	BRL	5.0	2.4	ug/kg	U	1
Chloroform	67-66-3	BRL	5.0	0.74	ug/kg	U	1
Chloromethane	74-87-3	BRL	5.0	2.3	ug/kg	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	5.0	0.66	ug/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	5.0	0.54	ug/kg	U	1
Dibromochloromethane	124-48-1	BRL	5.0	0.99	ug/kg	U	1

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Certificate of Analytical Results 12467

Analytical Management Laboratories, Inc., Olathe, KS
Hunter AAF Perimeter Sampling

Sample Id: 303497 BLK
Lab Sample Id: 303497 BLK
Sample Depth:

Matrix: SOIL
Date Collected:

% Moisture:
Date Received:

Analytical Method: VOCs by SW8260B

Prep Method: SW5035

Date Analyzed: Aug-15-07 10:43

Analyst: MJL01

Date Prep: Aug-15-07 08:53

Tech: MJL01

Seq Number: 37052

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	5.0	0.61	ug/kg	U	1
Dichlorodifluoromethane	75-71-8	BRL	5.0	1.2	ug/kg	U	1
Ethylbenzene	100-41-4	BRL	5.0	0.57	ug/kg	U	1
Hexachlorobutadiene	87-68-3	BRL	5.0	0.85	ug/kg	U	1
Isopropyl Ether	108-20-3	BRL	5.0	1.3	ug/kg	U	1
Isopropylbenzene	98-82-8	BRL	5.0	0.76	ug/kg	U	1
m,p-Xylenes	179601-23-1	BRL	10	1.2	ug/kg	U	1
Methyl tert-butyl ether	1634-04-4	BRL	5.0	0.69	ug/kg	U	1
Methylene Chloride	75-09-2	BRL	5.0	2.2	ug/kg	U	1
Naphthalene	91-20-3	BRL	5.0	1.3	ug/kg	U	1
n-Butylbenzene	104-51-8	BRL	5.0	0.88	ug/kg	U	1
n-Propylbenzene	103-65-1	BRL	5.0	0.78	ug/kg	U	1
o-Xylene	95-47-6	BRL	5.0	0.72	ug/kg	U	1
p-Isopropyltoluene	99-87-6	BRL	5.0	0.80	ug/kg	U	1
sec-Butylbenzene	135-98-8	BRL	5.0	0.66	ug/kg	U	1
Styrene	100-42-5	BRL	5.0	0.74	ug/kg	U	1
tert-Butylbenzene	98-06-6	BRL	5.0	0.83	ug/kg	U	1
Tetrachloroethene	127-18-4	BRL	5.0	1.0	ug/kg	U	1
Toluene	108-88-3	BRL	5.0	0.59	ug/kg	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	5.0	0.78	ug/kg	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	5.0	0.67	ug/kg	U	1
Trichloroethene	79-01-6	BRL	5.0	0.71	ug/kg	U	1
Trichlorofluoromethane	75-69-4	BRL	5.0	3.5	ug/kg	U	1
Vinyl Acetate	108-05-4	BRL	5.0	0.72	ug/kg	U	1
Vinyl Chloride	75-01-4	BRL	5.0	2.0	ug/kg	U	1



Form 2 - Surrogate Recoveries

Project Name: Hunter AAF Perimeter Sampling

Report Date: 10/11/07 14:42

Work Order #: 12467

Project ID: Task Order 0065

Lab Batch #: 37048

Sample: 12451-001 MD / MD

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	47.98	50.00	96	53-135	
4-Bromofluorobenzene	46.77	50.00	94	53-175	
Toluene-d8	48.76	50.00	98	56-126	

Lab Batch #: 37048

Sample: 12467-001 / SMP

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	45.23	50.00	90	53-135	
4-Bromofluorobenzene	48.23	50.00	96	53-175	
Toluene-d8	51.30	50.00	103	56-126	

Lab Batch #: 37048

Sample: 12467-004 / SMP

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	48.06	50.00	96	53-135	
4-Bromofluorobenzene	44.92	50.00	90	53-175	
Toluene-d8	49.34	50.00	99	56-126	

Lab Batch #: 37048

Sample: 12467-004 MS / MS

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	40.77	50.00	82	53-135	
4-Bromofluorobenzene	41.91	50.00	84	53-175	
Toluene-d8	52.25	50.00	6	56-126	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter AAF Perimeter Sampling

Report Date: 10/11/07 14:42

Work Order #: 12467

Project ID: Task Order 0065

Lab Batch #: 37048

Sample: 12467-004 MSD / MSD

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	50.68	50.00	5	53-135	
4-Bromofluorobenzene	40.88	50.00	82	53-175	
Toluene-d8	51.61	50.00	5	56-126	

Lab Batch #: 37048

Sample: 12467-009 / SMP

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	50.68	50.00	101	53-135	
4-Bromofluorobenzene	55.94	50.00	112	53-175	
Toluene-d8	59.01	50.00	118	56-126	

Lab Batch #: 37048

Sample: 12467-010 / SMP

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	46.21	50.00	92	53-135	
4-Bromofluorobenzene	51.55	50.00	103	53-175	
Toluene-d8	54.98	50.00	110	56-126	

Lab Batch #: 37048

Sample: 303496 BKS / BKS

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	42.26	50.00	85	58-128	
4-Bromofluorobenzene	48.63	50.00	5	47-166	
Toluene-d8	49.98	50.00	100	68-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter AAF Perimeter Sampling

Report Date: 10/11/07 14:42

Work Order #: 12467

Project ID: Task Order 0065

Lab Batch #: 37048

Sample: 303496 BLK / BLK

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	44.35	50.00	89	58-128	
4-Bromofluorobenzene	46.22	50.00	92	47-166	
Toluene-d8	49.76	50.00	100	68-120	

Lab Batch #: 37052

Sample: 12467-002 / SMP

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	42.34	50.00	85	53-135	
4-Bromofluorobenzene	42.10	50.00	84	53-175	
Toluene-d8	50.78	50.00	102	56-126	

Lab Batch #: 37052

Sample: 12467-002 MS / MS

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	38.17	50.00	76	53-135	
4-Bromofluorobenzene	43.33	50.00	2	53-175	
Toluene-d8	51.36	50.00	1	56-126	

Lab Batch #: 37052

Sample: 12467-002 MSD / MSD

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	35.31	50.00	71	53-135	
4-Bromofluorobenzene	42.13	50.00	84	53-175	
Toluene-d8	52.20	50.00	3	56-126	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter AAF Perimeter Sampling

Report Date: 10/11/07 14:42

Work Order #: 12467

Project ID: Task Order 0065

Lab Batch #: 37052

Sample: 12467-003 / SMP

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	44.93	50.00	90	53-135	
4-Bromofluorobenzene	44.23	50.00	88	53-175	
Toluene-d8	48.42	50.00	97	56-126	

Lab Batch #: 37052

Sample: 12467-005 / SMP

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	52.66	50.00	105	53-135	
4-Bromofluorobenzene	42.53	50.00	85	53-175	
Toluene-d8	48.13	50.00	96	56-126	

Lab Batch #: 37052

Sample: 12467-006 / SMP

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	45.65	50.00	91	53-135	
4-Bromofluorobenzene	44.68	50.00	89	53-175	
Toluene-d8	48.59	50.00	97	56-126	

Lab Batch #: 37052

Sample: 12467-007 / SMP

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	47.65	50.00	95	53-135	
4-Bromofluorobenzene	48.14	50.00	96	53-175	
Toluene-d8	47.65	50.00	95	56-126	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter AAF Perimeter Sampling

Report Date: 10/11/07 14:42

Work Order #: 12467

Project ID: Task Order 0065

Lab Batch #: 37052

Sample: 12467-008 / SMP

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	47.66	50.00	95	53-135	
4-Bromofluorobenzene	48.12	50.00	96	53-175	
Toluene-d8	48.88	50.00	98	56-126	

Lab Batch #: 37052

Sample: 303497 BKS / BKS

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	43.86	50.00	88	58-128	
4-Bromofluorobenzene	43.95	50.00	88	47-166	
Toluene-d8	51.16	50.00	4	68-120	

Lab Batch #: 37052

Sample: 303497 BLK / BLK

Batch: 1 Matrix: S

Units: ug/kg

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	44.26	50.00	89	58-128	
4-Bromofluorobenzene	43.92	50.00	88	47-166	
Toluene-d8	49.37	50.00	99	68-120	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Blank Spike Recovery

Project Name: Hunter AAF Perimeter Sampling

Report Date:

10/11/07 14:21

Work Order #: 12467

Project ID:

Task Order 0065

Lab Batch #: 37048

Sample: 303496 BKS

Matrix: S

Reporting Units: ug/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloroethene	<1.2	50	46	92	47-166	
Benzene	<0.51	50	47	94	56-155	
Chlorobenzene	<0.58	50	46	92	36-184	
Toluene	<0.59	50	47	94	43-177	
Trichloroethene	<0.71	50	49	98	44-168	

Lab Batch #: 37052

Sample: 303497 BKS

Matrix: S

Reporting Units: ug/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1-Dichloroethene	<1.2	50	50	100	47-166	
Benzene	<0.51	50	53	106	56-155	
Chlorobenzene	<0.58	50	52	104	36-184	
Toluene	<0.59	50	54	108	43-177	
Trichloroethene	<0.71	50	53	106	44-168	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



Form 3 - MS / MSD Recoveries

Project Name: Hunter AAF Perimeter Sampling

Report Date: 10/11/07 14:21

Project ID: Task Order 0065

Work Order #: 12467

Lab Batch ID: 37048

Reporting Units: ug/kg

QC- Sample ID: 12467-004 MS

Batch #: 1

Matrix: S

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOCs by SW8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1-Dichloroethene	<1.6	61	55	90	57	61	107	17	35-170	20	
Benzene	<0.69	61	60	98	57	57	100	2	38-158	20	
Chlorobenzene	<0.78	61	57	93	57	48	84	10	47-153	20	
Toluene	<0.79	61	60	98	57	51	89	10	32-170	20	
Trichloroethene	<0.95	61	56	92	57	54	95	3	50-148	20	

Lab Batch ID: 37052

Reporting Units: ug/kg

QC- Sample ID: 12467-002 MS

Batch #: 1

Matrix: S

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

VOCs by SW8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1-Dichloroethene	<1.4	65	59	91	64	59	92	1	35-170	20	
Benzene	<0.60	65	62	95	64	64	100	5	38-158	20	
Chlorobenzene	<0.68	65	60	92	64	59	92	0	47-153	20	
Toluene	<0.69	65	63	97	64	65	102	5	32-170	20	
Trichloroethene	<0.82	65	61	94	64	62	97	3	50-148	20	

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot (D-G)/(D+G)$

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$



Sample Duplicate Recovery

Project Name: Hunter AAF Perimeter Sampling

Report Date: 10/11/07 14:21

Work Order #: 12467

Lab Batch #: 37048

Project ID: Task Order 0065

QC- Sample ID: 12451-001 MD

Batch #: 1

Matrix: S

Reporting Units: ug/kg

SAMPLE / SAMPLE DUPLICATE RECOVERY					
VOCs by SW8260B	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
1,1,1,2-Tetrachloroethane	<0.38	<0.36	NC	20	
1,1,1-Trichloroethane	<0.55	<0.52	NC	20	
1,1,2,2-Tetrachloroethane	<0.87	<0.82	NC	20	
1,1,2-Trichloroethane	<0.49	<0.47	NC	20	
1,1-Dichloroethane	<0.59	<0.56	NC	20	
1,1-Dichloroethene	<0.85	<0.81	NC	20	
1,1-Dichloropropene	<0.39	<0.37	NC	20	
1,2,3-Trichlorobenzene	<0.42	<0.40	NC	20	
1,2,3-Trichloropropane	<1.2	<1.1	NC	20	
1,2,4-Trichlorobenzene	<0.64	<0.61	NC	20	
1,2,4-Trimethylbenzene	<0.53	<0.50	NC	20	
1,2-Dibromo-3-Chloropropane	<1.2	<1.1	NC	20	
1,2-Dibromoethane (Ethylene Dibromide)	<0.63	<0.60	NC	20	
1,2-Dichlorobenzene	<0.94	<0.90	NC	20	
1,2-Dichloroethane	<0.44	<0.41	NC	20	
1,2-Dichloropropane	<0.68	<0.65	NC	20	
1,3,5-trimethylbenzene	<0.60	<0.57	NC	20	
1,3-Dichlorobenzene	<0.73	<0.69	NC	20	
1,3-Dichloropropane	<0.50	<0.48	NC	20	
1,4-Dichlorobenzene	<0.50	<0.48	NC	20	
2,2-Dichloropropane	<0.44	<0.42	NC	20	
2-Butanone	<6.7	<6.3	NC	20	
2-Chlorotoluene	<0.52	<0.49	NC	20	
2-Hexanone	<0.83	<0.78	NC	20	
4-Chlorotoluene	<0.40	<0.38	NC	20	
4-Methyl-2-Pentanone	<2.4	<2.2	NC	20	
Acetone	87	77	12	20	
Acrolein	<3.2	<3.1	NC	20	
Acrylonitrile	<3.7	<3.5	NC	20	
Benzene	<0.38	<0.36	NC	20	
Bromobenzene	<0.62	<0.59	NC	20	
Bromochloromethane	<0.74	<0.70	NC	20	
Bromodichloromethane	<0.37	<0.35	NC	20	
Bromoform	<0.70	<0.67	NC	20	
Bromomethane	<1.8	<1.7	NC	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

F = RPD exceeded the laboratory control limits

Page 1 of 2



Sample Duplicate Recovery

Project Name: Hunter AAF Perimeter Sampling

Report Date: 10/11/07 14:21

Work Order #: 12467

Lab Batch #: 37048

Project ID: Task Order 0065

QC- Sample ID: 12451-001 MD

Batch #: 1

Matrix: S

Reporting Units: ug/kg

VOCs by SW8260B		SAMPLE / SAMPLE DUPLICATE RECOVERY			
Analyte		Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Carbon Disulfide	<1.1	<1.0	NC	20	
Carbon Tetrachloride	<0.54	<0.52	NC	20	
Chlorobenzene	<0.42	<0.40	NC	20	
Chloroethane	<1.8	<1.7	NC	20	
Chloroform	<0.54	<0.51	NC	20	
Chloromethane	<1.7	<1.6	NC	20	
cis-1,2-Dichloroethene	<0.48	<0.46	NC	20	
cis-1,3-Dichloropropene	<0.39	<0.37	NC	20	
Dibromochloromethane	<0.73	<0.69	NC	20	
Dibromomethane	<0.45	<0.43	NC	20	
Dichlorodifluoromethane	<0.86	<0.82	NC	20	
Ethylbenzene	<0.41	<0.39	NC	20	
Hexachlorobutadiene	<0.62	<0.59	NC	20	
Diisopropyl Ether	<0.93	<0.88	NC	20	
Isopropylbenzene	<0.56	<0.53	NC	20	
m,p-Xylene	<0.88	<0.84	NC	20	
Methyl Methacrylate	<1.7	<1.6	NC	20	
Methyl tert-butyl ether	<0.51	<0.48	NC	20	
Naphthalene	<0.95	<0.90	NC	20	
n-Butylbenzene	<0.65	<0.61	NC	20	
n-Propylbenzene	<0.57	<0.54	NC	20	
o-Xylene	<0.52	<0.50	NC	20	
4-Isopropyltoluene	<0.59	<0.56	NC	20	
Sec-Butylbenzene	<0.48	<0.46	NC	20	
Styrene	<0.54	<0.52	NC	20	
tert-Butylbenzene	<0.61	<0.58	NC	20	
Tetrachloroethylene	<0.76	<0.72	NC	20	
Toluene	2.2	1.9	15	20	
trans-1,2-dichloroethene	<0.57	<0.54	NC	20	
trans-1,3-dichloropropene	<0.49	<0.47	NC	20	
Trichloroethene	<0.52	<0.49	NC	20	
Trichlorofluoromethane	<2.6	<2.4	NC	20	
Vinyl Acetate	<0.53	<0.50	NC	20	
Vinyl Chloride	<1.5	<1.4	NC	20	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
All Results are based on MDL and validated for QC purposes.
F = RPD exceeded the laboratory control limits

Page 2 of 2



Accura Analytical Laboratory

Abbreviations and EPA Qualifier Codes used by AAL

- Rep Limit: This abbreviation on our analytical reports is for: Reporting Limit (RL).
- BRL: This abbreviation indicates that the analytical results were Below the Reporting Limit (BRL).
- MDL: The Method Detection Limit (MDL), as defined by 40 CFR Part 136, Appendix B, is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero.
- U: The compound was analyzed for, but not detected above the specified MDL.
- J: This indicates an estimated value. The target analyte is *positively identified*, but the reported numerical result (analyte concentration) is an *estimated* value and the direction of the bias is unknown. The result is above the MDL, but below the RL.
- B: This is used when the analyte is found in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. The flag shall be used for a tentatively identified compound as well as for a positively identified target compound.
- D: This flag indicates that the identified analyte is reported from the dilution analysis.
- E: This identifies compounds whose concentrations exceed the upper level of the linear calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract should be diluted and re-analyzed.
- Note: For Xylenes, Total, where three isomers are quantified as two peaks, the calibration range of each peak is considered separately.*
- F: The Relative Percent Difference (RPD) between recoveries of either analytes or QC spikes were outside the laboratory or method control limits. Supporting QC data was reviewed by the Department Supervisor and/or QA Officer. Results were determined to be valid for reporting.
- X: This qualifier is defined by the laboratory in written case narrative.
- Z: QC Surrogates/ QC Lab Spikes results are outside the laboratory or method quality control limits. Supporting QC data was reviewed by the Department Supervisor and/or QA Officer. Results were determined to be valid for reporting.
- ZZ: QC Surrogates/ QC Lab Spikes results are outside the laboratory or method quality control limits in multiple QC samples. Supporting QC data was reviewed by the Department Supervisor and/or QA Officer. Results were determined to be valid for reporting.
- ***: Surrogate recoveries were diluted out.



Analytical Management Laboratories, Inc.
est. 1993

15130 South Keeler, Olathe, Kansas 66062
Phone: (913) 829-0101 • Fax: (913) 829-1181

June 19, 2007

Mr. Mark S. Harvison
Project Chemist, CESAS-EN-GG
U.S. Army Corps of Engineers, Savannah District
100 W. Oglethorpe Ave.
P. O. Box 889
Savannah, GA 31402
Phone: 912-652-5151
Fax: 912-652-5311

Dear Mr. Harvison:

RE: Hunter Perimeter Sampling, Task Order 0085
W912HN-05-D-0013
AML Work Order Number: AAL12059

Attached, please find the hardcopy analytical report (85 total pages) for environmental samples collected by CESAS for the project described above. Problems encountered in the analysis of these samples are documented in the laboratory case narrative. The electronic data deliverables (EDDs) for this report will be e-mailed within a few days of this report. Please feel free to contact me by phone (913-829-0101-ext. 23), fax (913-829-1181) or email (mharris@amlabinc.com) if you have any questions.

Respectfully Submitted,
Analytical Management Laboratories, Inc.



Melanie Harris
Project Manager



Multi State Certified

0001

AML Case Narrative

Project:	Hunter Perimeter Sampling, Task Order 0085
Your Reference:	W912HN-05-D-0013
Our Reference:	AML Work Order Number: AAL12059

Project and Sample Information

Technical support for the analysis of samples collected for the referenced project was provided by Accura Analytical Laboratory, Inc, 6017 Financial Drive, Norcross, GA 30071. The analytical report prepared by the subcontract laboratory (certified by the State of South Carolina) is attached. Please feel free to contact Mr. David Fuller directly (770-449-8800) if there are any questions on this report.



15-JUN-07

Analytical Management Laboratories, Inc.
15130 South Keeler
Olathe, KS 66062
Client Contact: Vis Viswanathan

Reference: Accura Analytical Laboratory, Inc. (AAL) Work Order No: 12059
Project Name :Hunter Perimeter Sampling
Project Number: AML TO# 0085

Dear Vis Viswanathan :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Chain of Custody(s) Numbered 47461 47460 46492 . All results being reported under this Chain of Custody apply to the samples analyzed and properly identified with an AAL Sample ID number.

All the results for the quality control samples were reviewed. Also, all parameters for data reduction and validation were reviewed. In view of this, we are able to release the analytical data for this report within acceptance criteria for accuracy, precision, completeness or properly flagged.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by AAL. This report will be filed for at least 7 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in COC No. 47461 47460 46492 will be filed for 90 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Accura Analytical Laboratory Inc. to serve your analytical needs. If you have any questions concerning this report, please feel free to contact me at any time.

Sincerely,

David Fuller
Project Manager

6017 Financial Drive Norcross, GA 30071
Phone: 770-449-8800 Fax: 770-449-5477



ACCURA ANALYTICAL LABORATORY, INC. (AAL)

6017 Financial Drive, Norcross, GA 30071, Phone: (770) 449-8800

FL Certification #E87429 • NC Certification #483

SC Certification #98015 • Utah Certification #AAL11

USACE Approved • Navy Certification Code NFESC 413

Case Narrative

AAL Work Order # 12059

Client Project: Hunter Perimeter Sampling / AML TO# 0085

Accura Analytical Laboratory Inc. certifies that the results meet all requirements of the NELAC Standards.

The data package includes a 2 page case narrative, 3 Chain of Custody pages, a 2 page Sample Receipt Checklist, 50 analytical results pages, 9 QC surrogate recovery pages, 6 QC Blank Spike / Blank Spike Duplicate recovery pages, 9 QC Matrix Spike / Matrix Spike Duplicate recovery pages, and a list of common EPA qualifier codes and abbreviations used by AAL.

The following items were noted concerning this work order:

Receiving Notations:

1. Upon receipt, air bubbles greater than ¼ inch were noted in all vials submitted for the following samples: PR-DPT-15D, PR-DPT-24-S, PR-DPT-21-D.

Michael F. Broome

Receiving

May 25, 2007

Date

VOCs by SW8260B Notations:

1. The pH of the water samples was >2.0 prior to the VOC analysis.
2. The following analyte recoveries were outside laboratory control limits for the MS and/or MSD: Acetone: 12059-018MSD; Methylene Chloride: 12058-018MS; Trans -1,2-Dichloroethene: 12058-018MSD. The Laboratory Blank Spike recoveries for Acetone and trans-1,2-Dichloroethene were within the acceptable limits
3. The RPD for the following analytes were outside laboratory control limits for the MS and MSD: Methylene Chloride, Trans-1,2-Dichloroethene. The recovery for Methylene Chloride was outside the laboratory control limits for the Laboratory Blank Spike due to possible laboratory contamination.
4. The following sample had a reportable concentration of Methylene Chloride due to possible laboratory contamination: 12059-020 (PR-DPT-22-S) The sample was reanalyzed, however Methylene Chloride was still detected. No other samples were affected.
5. Methylene Chloride was outside laboratory control limits (bias high) for the Laboratory Blank Spike due to possible laboratory contamination. The recoveries for the MS and MSD were within the acceptable limits and Methylene Chloride was not detected in any of the samples in Batch #36193.



ACCURA ANALYTICAL LABORATORY, INC. (AAL)

6017 Financial Drive, Norcross, GA 30071, Phone: (770) 449-8800

FL Certification #E87429 • NC Certification #483

SC Certification #98015 • Utah Certification #AALI1

USACE Approved • Navy Certification Code NFESC 413

Case Narrative

6. The recoveries for Acetone and Acrolein for the Matrix Spike and Matrix Spike Duplicate were outside laboratory control limits. The Laboratory Blank Spike recoveries were within the acceptable limits, therefore the data satisfies the method requirements. (Batch#36193)
7. The recovery for Methylene Chloride was outside laboratory control limits (bias high) for the Laboratory Blank Spike due to possible laboratory contamination. (Batch#36214)
8. The recovery for Methylene Chloride was outside laboratory control limits (bias high) for the Matrix Spike due to possible laboratory contamination.
9. Methylene Chloride was detected in the Trip Blank due to possible laboratory contamination. (No other samples had any reportable concentrations of Methylene Chloride.)
10. The RPD for the following analytes was outside laboratory control limits for the MS and MSD (Batch#36214): Methylene Chloride, Trans-1,2-Dichloroethene, 1,2,3-Trichloropropane (Batch#36191)

Dawn Sengsourichanh

VOC Analyst

June 13, 2007

Date

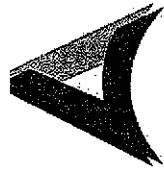
This Case Narrative & Notations have been generated, reviewed, and edited by:

David C. Fuller

Project Manager

June 15, 2007

Date



ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

CHAIN OF CUSTODY

Page 47461 of 3
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: US Army Corps of Eng Billing address: AME
Address: 100 west cokeridge Ave. Savannah P.O.# (if required):
Results Sent to: (Client Contact):
Email address:
Contact Phone #: 912-677-6077 Fax#:
Project (Site) Name: Hunter Riverkeeper Samplings
Project Number: AME TO #10085 Preservation Code: (See below)

For Laboratory Use Only: AALIMS System ID: 7005
QC Level: 1 2 3 4 CLP-Like Receiver's Initials/Temp: 20
Custody Seal(s): Y N Tape AAL Work Order # 12059

Sampler(s): (signature)				Analysis Requested				Field Comments:	
Line No.	Sample ID #	Sample Date / Time	Composite	Grab	Matrix (See below)	Sample Location	No. of Containers		
1	Trip Blank								
2	PR-DPT-16-S	5/24/07 0810		X	GW		2		
3	PR-DPT-16-D	5/24/07 0820		X	GW		3		
4	PR-DPT-18-S	5/24/07 0910		X	GW		3		
5	PR-DPT-18-D	5/24/07 0920		X	GW		3		
6	PR-DPT-20-S	5/24/07 0940		X	GW		3		
7	PR-DPT-20-D	5/24/07 0950		X	GW		3		
8	PR-DPT-19-S	5/24/07 1010		X	GW		3		
9	PR-DPT-19-D	5/24/07 1020		X	GW		3		
10	PR-DPT-15-S	5/24/07 1040		X	GW		3		
1) Relinquished By: <u>[Signature]</u> Date / Time: <u>5/24/07</u>				2) Received By: <u>SLipped</u> Date / Time: <u>5/25/07</u>				Delivered by: (Circle One) Fed Ex / UPS / DHL / AAL Pickup / Hand / Other	
3) Relinquished By: <u>[Signature]</u> Date / Time: <u>5/25/07</u>				4) Received By: <u>Anthony Padon</u> Date / Time: <u>9:39 am</u>				Turnaround Time Requested:	

Matrix Guide: (W=Water) (DW=Drinking Water) (GW=Groundwater) (SW=Surface Water) (L=Liquid) (O=Oil) (S=Soil) (SD=Solid) (SL=Sludge) (A=Air) (C=Air Cartridge)

Preservation Codes: 1=HCL / 2=HNO₃ / 3=H₂SO₄ / 4=NaOH+NaAsO₂ / 5=NaOH+ZnAc / 6=Na₂S₂O₃ / 7=NaHSO₄ / 8=MeOH

Company Name: US Army Corps of Eng Billing address: Dmhc

Address: 100 West 15th Ave. N.

Results Sent to: (Client Contact): Amul

Email address: _____

QC Level: 1 2 3 4 CLP-Like _____

Receiver's Initials/Temp _____

Contact Phone #.	112-611-6071	Fax#.	
Business (City) Name	112-611-6071	Custody Seal(s)	Y N Tape
		AAL Work Order #	4034

[illegible][illegible]

Line No.	Sample ID #	Sample Date / Time	Composite	Grab	Matrix (See below)	Sample Location	No. of Containers	Date / Time	Delivered by: (Circle One) Fed Ex / UPS / DHL / AAL Pickup / Hand / Other	AAL Lab ID:
1	PR-DPT-15-D	5/24/07 1050					3			12059
2	PR-DPT-14-S	5/24/07 1115					3			01530
3	PR-DPT-14-D	5/24/07 1130					3			012
4	PR-DPT-25-S	5/24/07 1300					3			023
5	PR-DPT-25-D	5/24/07 1310					3			014
6	PR-DPT-24-S	5/24/07 1325					3			015
7	PR-DPT-24-D	5/24/07 1330					3			016
8	PR-DPT-21-S	5/24/07 1415					3			017
9	PR-DPT-21-D	5/24/07 1420					3			018
10	PR-DPT-22-S	5/24/07 1450					3			019
										020

1) Relinquished By: *[Signature]* Date / Time: 5/24/07 1700

2) Received By: *[Signature]* Date / Time: 5/24/07 1700

3) Relinquished By:	Date / Time	Date / Time	Turnaround Time Requested:
4) Received By:			

Matrix Guide: (W=Water) (DW=Drinking Water) (GW=Groundwater) (SW=Surface Water) (L=Liquid) (O=Oil) (S=Soil) (SD=Solid) (SL=Sludge) (A=Air) (C=Air Cartridge)
 Preservation Codes: 1=HCL / 2=HNO₃ / 3=H₂SO₄ / 4=NaOH+NaAsO₂ / 5=NaOH+ZnAc / 6=Na₂S₂O₃ / 7=NaHSO₄ / 8=MeOH



ACCURA ANALYTICAL LABORATORY, INC.

Environmental Analytical Services

Page 3 of 3

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

CHAIN OF CUSTODY

Company Name: US Army Corps of Eng Billing address: AMC

Address: 100 West Oglethorpe Ave P.O.# (if required):

Results Sent to: (Client Contact): AMC

Email address:

Contact Phone #:

Project (Site) Name: Hunter Arimeter Sampling

Project Number: 7040081

Sampler(s): (signature) [Signature]

Preservation Code: (See below)

Sampler(s): (printed) Anthony Johnson

No. of Containers

Sample Location

Matrix (See below)

Grab

Composite

Sample Date / Time

Sample ID #

Line No.

1 PR-PPT-220 5/24/07 1500 9 GW 3 Loc 5

2 PR-PPT-BW1 5/24/07 1600 4 W 3 11

3

4

5

6

7

8

9

10

Field Comments:

Analysis Requested

Delivered by: (Circle One)
Fed Ex / UPS / DHL / AAL Pickup / Hand / Other

Turnaround Time Requested:

Date / Time

Date / Time

Received By: Shyheel

Received By: Anthony Johnson

Relinquished By: [Signature]

Relinquished By: [Signature]

Matrix Guide: (W=Water) (DW=Drinking Water) (GW=Groundwater) (SW=Surface Water) (L=Liquid) (O=Oil) (S=Soil) (SD=Solid) (SL=Sludge) (A=Air) (C=Air Cartridge)

Preservation Codes: 1=HCL / 2=HNO₃ / 3=H₂SO₄ / 4=NaOH+NaAsO₂ / 5=NaOH+ZnAc / 6=Na₂S₂O₃ / 7=NaHSO₄ / 8=MeOH

Client Project Name: Hunter Perimeter Sampling ACCURA Work Order#: 12059

Are there EnCores, tests with < 48Hr hold times, or RUSH TATs requested? YES NO

If YES, you must communicate RUSH analyses to the appropriate analyst(s) immediately!!! / or preserve EnCores (see #16 below)!!!

Preliminary Examination: Initials: [Signature] Date received: 5/25/07 Date cooler was opened: 5/25/07

1. Did cooler/package come with a shipping slip (airbill, Etc.)? YES NO
If YES, enter carrier name and airbill number here: FedEx Airbill 859705130756

Describe type of packing in cooler:

****If cooler was hand delivered, CIRCLE HERE skip to item #5****

2. Were custody seals on outside of cooler? YES NO
If YES, how many: seal dated: seal name:

3. Were custody seals unbroken and intact at the date and time of arrival? YES N/A NO

4. Were custody papers sealed in a plastic bag to prevent damage to chain of custody? YES NO

5. If required, was enough ice used? (Internal cooler temperature, 2C) YES N/A NO

6. Did you sign custody papers in the appropriate place? YES NO

7. Was project identifiable from custody papers? YES NO
If YES, enter project name at the top.

Complete project file with green sheet, proper file tag, and shipping documentation. Line up samples following chain. Complete Container Receipt Verification form (include extra containers for dissolved metals filtrates). Complete login in XENCO and generate AAL ID Labels.

8. Did all containers arrive unbroken and were labels in good condition? YES NO

9. Were custody papers filled out properly and did all labels agree with custody papers? YES NO

10. Were correct containers and sufficient amount of sample sent for the test indicated? YES NO

11. All samples collected within three days of date received for these analyses
(Reactive Cn & S, Solids in H2O, Sulfide, Sulfite, !ALL! Extractable Organic Waters)? YES N/A NO

If NO, coordinate with the project manager to ensure that no samples go out of hold!!!

12. No residual chlorine found in waters for these analyses:
(Cyanide, PAH, SVOC, Pesticides, PCB's, Herbicides)? YES N/A NO

Checked by: (Initials)

13. Were samples properly chemically preserved, if required, upon receipt? YES N/A NO
(For example: pH checked for waters for all Metals, Wet Chemistry, Pesticides, PCB's, Herbicides, and VOC/BTEX samples submitted with HCL for waters and in either Encore samplers or NaHSO4 labeled vials for soils)

Preservation checked by: (Initials)

14. Were air bubbles (>1/4 inch) absent in VOC/BTEX samples? YES N/A NO
If NO, list ID # on back and label vials with Do Not Use Until Notified By Management15. If there are samples for dissolved metals, were they field filtered? YES N/A NO
If NO, list date and time samples were filtered and preserved in lab:16. Were Encore samplers included? YES NO
If YES, date and time preserved with NaHSO4: By whom:17. Does this submittal contain soil NaHSO4 vials for BTEX/GRO/VOC'S? YES NO
If YES, vials weighed by and entered into vial database by:

18. Initials of laboratory personnel responsible for labeling laboratory I.D. numbers on containers: [Signature]

Keep samples and chain out. Before moving samples to their appropriate location, another person must review the entire project ensuring that information on the AAL ID Barcode label matches the container label, and that all information is consistent with the chain.

Final check and samples logged to locations by: (Initials)

19. Was it necessary to call the assigned project manager in order to proceed with login? YES NO
If YES, give details on the back of this form.

20. Who was called? By whom? Date/Time:

Project Mgr. Review: [Signature] (Initials) 5/29/07 (Date)

ACCURA ANALYTICAL LABORATORY, INC.
SAMPLE RECEIPT VARIANCE FORM

Item # Discrepancies Noted:

4-1 Sample 10's ~~4~~ ¹⁴⁻⁵ DPT-18-D, PR-DPT-15-D^{5/29}, PR-DPT-14-D,
PR-DPT-25-S, PR-DPT-25-D, PR-DPT-24-D, all had
1 vial w/ $> 1/4$ " airspace.

4-2 Sample 10's PR-DPT-15-D, PR-DPT-24-S and
PR-DPT-21-D, all vial have $> 1/4$ " airspace.

Item # Actions Taken:

4-1 AML to use remaining vials for testing.

4-2 Notified client via email on 5/29/07. Per client,
proceed w/ testing and note variances on case
narrative. DCJ 5/29/07



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: Trip Blank	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-001	Date Collected: May-24-07 00:00	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-30-07 19:17	Analyst: MJL01	Date Prep: May-30-07 08:03	Tech: MJL01
Seq Number: 36214			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: Trip Blank	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-001	Date Collected: May-24-07 00:00	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: May-30-07 19:17

Analyst: MJL01

Date Prep: May-30-07 08:03

Tech: MJL01

Seq Number: 36214

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	1.3	1.0	0.42	ug/L		1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-16-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-002	Date Collected: May-24-07 08:10	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-29-07 16:45	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	7.2	5.0	0.35	ug/L		1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **PR-DPT-16-S**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12059-002**

Date Collected: **May-24-07 08:10**

Date Received: **May-25-07 09:39**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-29-07 16:45**

Analyst: **MJL01**

Date Prep: **May-29-07 07:50**

Tech: **MJL01**

Seq Number: **36193**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-16-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-003	Date Collected: May-24-07 08:20	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-29-07 17:13	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-16-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-003	Date Collected: May-24-07 08:20	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-29-07 17:13	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	5.0	1.0	0.22	ug/L		1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-18-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-004	Date Collected: May-24-07 09:10	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-29-07 17:41	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-18-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-004	Date Collected: May-24-07 09:10	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-29-07 17:41	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-18-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-005	Date Collected: May-24-07 09:20	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-29-07 18:08	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-18-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-005	Date Collected: May-24-07 09:20	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-29-07 18:08**

Analyst: **MJL01**

Date Prep: **May-29-07 07:50**

Tech: **MJL01**

Seq Number: **36193**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-20-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-006	Date Collected: May-24-07 09:40	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-30-07 11:55	Analyst: MJL01	Date Prep: May-30-07 08:03	Tech: MJL01
Seq Number: 36214			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-20-S

Matrix: WATER

% Moisture:

Lab Sample Id: 12059-006

Date Collected: May-24-07 09:40

Date Received: May-25-07 09:39

Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: May-30-07 11:55

Analyst: MJL01

Date Prep: May-30-07 08:03

Tech: MJL01

Seq Number: 36214

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-20-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-007	Date Collected: May-24-07 09:50	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-30-07 12:22	Analyst: MJL01	Date Prep: May-30-07 08:03	Tech: MJL01
Seq Number: 36214			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-20-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-007	Date Collected: May-24-07 09:50	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-30-07 12:22**

Analyst: **MJL01**

Date Prep: **May-30-07 08:03**

Tech: **MJL01**

Seq Number: **36214**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-19-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-008	Date Collected: May-24-07 10:10	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-30-07 12:49	Analyst: MJL01	Date Prep: May-30-07 08:03	Tech: MJL01
Seq Number: 36214			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **PR-DPT-19-S**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12059-008**

Date Collected: **May-24-07 10:10**

Date Received: **May-25-07 09:39**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-30-07 12:49**

Analyst: **MJL01**

Date Prep: **May-30-07 08:03**

Tech: **MJL01**

Seq Number: **36214**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-19-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-009	Date Collected: May-24-07 10:20	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-30-07 13:17	Analyst: MJL01	Date Prep: May-30-07 08:03	Tech: MJL01
Seq Number: 36214			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-19-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-009	Date Collected: May-24-07 10:20	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-30-07 13:17**

Analyst: **MJL01**

Date Prep: **May-30-07 08:03**

Tech: **MJL01**

Seq Number: **36214**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-15-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-010	Date Collected: May-24-07 10:40	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 12:10	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: **PR-DPT-15-S**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12059-010**

Date Collected: **May-24-07 10:40**

Date Received: **May-25-07 09:39**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-31-07 12:10**

Analyst: **MJL01**

Date Prep: **May-31-07 08:16**

Tech: **MJL01**

Seq Number: **36191**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-15-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-011	Date Collected: May-24-07 10:50	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 12:37	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-15-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-011	Date Collected: May-24-07 10:50	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-31-07 12:37**

Analyst: **MJL01**

Date Prep: **May-31-07 08:16**

Tech: **MJL01**

Seq Number: **36191**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-14-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-012	Date Collected: May-24-07 11:15	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-30-07 09:40	Analyst: MJL01	Date Prep: May-30-07 08:03	Tech: MJL01
Seq Number: 36214			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-14-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-012	Date Collected: May-24-07 11:15	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: May-30-07 09:40

Analyst: MJL01

Date Prep: May-30-07 08:03

Tech: MJL01

Seq Number: 36214

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	14	1.0	0.22	ug/L		1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-14-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-013	Date Collected: May-24-07 11:30	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 13:05	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	12	5.0	0.35	ug/L		1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-14-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-013	Date Collected: May-24-07 11:30	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 13:05	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-25-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-014	Date Collected: May-24-07 13:00	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 13:32	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: **PR-DPT-25-S**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12059-014**

Date Collected: **May-24-07 13:00**

Date Received: **May-25-07 09:39**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-31-07 13:32**

Analyst: **MJL01**

Date Prep: **May-31-07 08:16**

Tech: **MJL01**

Seq Number: **36191**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-25-D		Matrix: WATER		% Moisture:			
Lab Sample Id: 12059-015		Date Collected: May-24-07 13:10		Date Received: May-25-07 09:39			
Sample Depth:							
Analytical Method: USACE VOCs by SW8260B				Prep Method: SW5030B			
Date Analyzed: May-30-07 15:34		Analyst: MJL01		Date Prep: May-30-07 08:03			
		Seq Number: 36214		Tech: MJL01			
Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-25-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-015	Date Collected: May-24-07 13:10	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-30-07 15:34**

Analyst: **MJL01**

Date Prep: **May-30-07 08:03**

Tech: **MJL01**

Seq Number: **36214**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-24-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-016	Date Collected: May-24-07 13:25	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 14:00	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-24-S Matrix: WATER % Moisture:
Lab Sample Id: 12059-016 Date Collected: May-24-07 13:25 Date Received: May-25-07 09:39
Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: May-31-07 14:00

Analyst: MJL01

Date Prep: May-31-07 08:16

Tech: MJL01

Seq Number: 36191

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-24-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-017	Date Collected: May-24-07 13:30	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 14:27	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: **PR-DPT-24-D**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **12059-017**

Date Collected: **May-24-07 13:30**

Date Received: **May-25-07 09:39**

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-31-07 14:27**

Analyst: **MJL01**

Date Prep: **May-31-07 08:16**

Tech: **MJL01**

Seq Number: **36191**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-21-S		Matrix: WATER		% Moisture:			
Lab Sample Id: 12059-018		Date Collected: May-24-07 14:15		Date Received: May-25-07 09:39			
Sample Depth:							
Analytical Method: USACE VOCs by SW8260B				Prep Method: SW5030B			
Date Analyzed: May-31-07 16:19		Analyst: MJL01		Date Prep: May-31-07 08:16			
Seq Number: 36191		Tech: MJL01					
Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-21-S

Matrix: WATER

% Moisture:

Lab Sample Id: 12059-018

Date Collected: May-24-07 14:15

Date Received: May-25-07 09:39

Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: May-31-07 16:19

Analyst: MJL01

Date Prep: May-31-07 08:16

Tech: MJL01

Seq Number: 36191

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-21-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-019	Date Collected: May-24-07 14:20	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-30-07 17:25	Analyst: MJL01	Date Prep: May-30-07 08:03	Tech: MJL01
Seq Number: 36214			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-21-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-019	Date Collected: May-24-07 14:20	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-30-07 17:25	Analyst: MJL01	Date Prep: May-30-07 08:03	Tech: MJL01
Seq Number: 36214			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-22-S	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-020	Date Collected: May-24-07 14:50	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 14:55	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-22-S

Matrix: WATER

% Moisture:

Lab Sample Id: 12059-020

Date Collected: May-24-07 14:50

Date Received: May-25-07 09:39

Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW5030B

Date Analyzed: May-31-07 14:55

Analyst: MJL01

Date Prep: May-31-07 08:16

Tech: MJL01

Seq Number: 36191

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	2.6	1.0	0.42	ug/L		1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS

Hunter Perimeter Sampling

Sample Id: PR-DPT-22-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-021	Date Collected: May-24-07 15:00	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 15:22	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	34	5.0	0.35	ug/L		1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-22-D	Matrix: WATER	% Moisture:
Lab Sample Id: 12059-021	Date Collected: May-24-07 15:00	Date Received: May-25-07 09:39
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 15:22	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: PR-DPT-BLK-1		Matrix: WATER		% Moisture:			
Lab Sample Id: 12059-022		Date Collected: May-24-07 16:00		Date Received: May-25-07 09:39			
Sample Depth:							
Analytical Method: USACE VOCs by SW8260B				Prep Method: SW5030B			
Date Analyzed: May-31-07 15:50		Analyst: MJL01		Date Prep: May-31-07 08:16			
		Seq Number: 36191		Tech: MJL01			
Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	2.2	1.0	0.16	ug/L		1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **PR-DPT-BLK-1** Matrix: **WATER** % Moisture:
Lab Sample Id: **12059-022** Date Collected: **May-24-07 16:00** Date Received: **May-25-07 09:39**
Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: **May-31-07 15:50**

Analyst: **MJL01**

Date Prep: **May-31-07 08:16**

Tech: **MJL01**

Seq Number: **36191**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: 302815 BLK	Matrix: WATER	% Moisture:
Lab Sample Id: 302815 BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-31-07 09:28	Analyst: MJL01	Date Prep: May-31-07 08:16	Tech: MJL01
Seq Number: 36191			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **302815 BLK**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **302815 BLK**

Date Collected:

Date Received:

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: May-31-07 09:28

Analyst: **MJL01**

Date Prep: May-31-07 08:16

Tech: **MJL01**

Seq Number: 36191

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Diisopropyl Ether	108-20-3	BRL	1.0	0.080	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: 302818 BLK	Matrix: WATER	% Moisture:
Lab Sample Id: 302818 BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW8260LL5	
Date Analyzed: May-29-07 09:03	Analyst: MJL01	Date Prep: May-29-07 07:50	Tech: MJL01
Seq Number: 36193			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: 302818 BLK

Matrix: WATER

% Moisture:

Lab Sample Id: 302818 BLK

Date Collected:

Date Received:

Sample Depth:

Analytical Method: USACE VOCs by SW8260B

Prep Method: SW8260LL5

Date Analyzed: May-29-07 09:03

Analyst: MJL01

Date Prep: May-29-07 07:50

Tech: MJL01

Seq Number: 36193

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Diisopropyl Ether	108-20-3	BRL	1.0	0.080	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: 302830 BLK	Matrix: WATER	% Moisture:
Lab Sample Id: 302830 BLK	Date Collected:	Date Received:
Sample Depth:		

Analytical Method: USACE VOCs by SW8260B		Prep Method: SW5030B	
Date Analyzed: May-30-07 09:14	Analyst: MJL01	Date Prep: May-30-07 08:03	Tech: MJL01
Seq Number: 36214			

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	BRL	1.0	0.24	ug/L	U	1
1,1,1-Trichloroethane	71-55-6	BRL	1.0	0.16	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	BRL	1.0	0.18	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	BRL	1.0	0.25	ug/L	U	1
1,1-Dichloroethane	75-34-3	BRL	1.0	0.11	ug/L	U	1
1,1-Dichloroethene	75-35-4	BRL	1.0	0.20	ug/L	U	1
1,1-Dichloropropene	563-58-6	BRL	1.0	0.10	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	BRL	1.0	0.25	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	BRL	1.0	0.21	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	BRL	1.0	0.17	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	BRL	1.0	0.14	ug/L	U	1
1,2-Dibromo-3-chloropropane	96-12-8	BRL	1.0	0.19	ug/L	U	1
1,2-Dibromoethane	106-93-4	BRL	1.0	0.18	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	BRL	1.0	0.14	ug/L	U	1
1,2-Dichloroethane	107-06-2	BRL	1.0	0.18	ug/L	U	1
1,2-Dichloropropane	78-87-5	BRL	1.0	0.15	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	BRL	1.0	0.17	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	BRL	1.0	0.17	ug/L	U	1
1,3-Dichloropropane	142-28-9	BRL	1.0	0.19	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	BRL	1.0	0.17	ug/L	U	1
2,2-Dichloropropane	594-20-7	BRL	1.0	0.21	ug/L	U	1
2-Butanone	78-93-3	BRL	5.0	0.28	ug/L	U	1
2-Chlorotoluene	95-49-8	BRL	1.0	0.19	ug/L	U	1
2-Hexanone	591-78-6	BRL	5.0	0.32	ug/L	U	1
4-Chlorotoluene	106-43-4	BRL	1.0	0.13	ug/L	U	1
4-Isopropyltoluene	99-87-6	BRL	1.0	0.13	ug/L	U	1
4-Methyl-2-pentanone	108-10-1	BRL	5.0	0.26	ug/L	U	1
Acetone	67-64-1	BRL	5.0	0.35	ug/L	U	1
Acrolein	107-02-8	BRL	20	6.6	ug/L	U	1
Acrylonitrile	107-13-1	BRL	2.0	0.49	ug/L	U	1
Benzene	71-43-2	BRL	1.0	0.16	ug/L	U	1
Bromobenzene	108-86-1	BRL	1.0	0.21	ug/L	U	1
Bromochloromethane	74-97-5	BRL	1.0	0.20	ug/L	U	1
Bromodichloromethane	75-27-4	BRL	1.0	0.25	ug/L	U	1
Bromoform	75-25-2	BRL	1.0	0.17	ug/L	U	1
Bromomethane	74-83-9	BRL	1.0	0.25	ug/L	U	1
Carbon disulfide	75-15-0	BRL	1.0	0.26	ug/L	U	1
Carbon Tetrachloride	56-23-5	BRL	1.0	0.33	ug/L	U	1
Chlorobenzene	108-90-7	BRL	1.0	0.15	ug/L	U	1
Chloroethane	75-00-3	BRL	1.0	0.26	ug/L	U	1
Chloroform	67-66-3	BRL	1.0	0.16	ug/L	U	1
Chloromethane	74-87-3	BRL	1.0	0.25	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	BRL	1.0	0.21	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	BRL	1.0	0.10	ug/L	U	1
Dibromochloromethane	124-48-1	BRL	1.0	0.15	ug/L	U	1

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Certificate of Analytical Results 12059

Analytical Management Laboratories, Inc., Olathe, KS
Hunter Perimeter Sampling

Sample Id: **302830 BLK**

Matrix: **WATER**

% Moisture:

Lab Sample Id: **302830 BLK**

Date Collected:

Date Received:

Sample Depth:

Analytical Method: **USACE VOCs by SW8260B**

Prep Method: **SW5030B**

Date Analyzed: May-30-07 09:14

Analyst: **MJL01**

Date Prep: May-30-07 08:03

Tech: **MJL01**

Seq Number: **36214**

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Dibromomethane	74-95-3	BRL	1.0	0.24	ug/L	U	1
Dichlorodifluoromethane	75-71-8	BRL	1.0	0.22	ug/L	U	1
Diisopropyl Ether	108-20-3	BRL	1.0	0.080	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.19	ug/L	U	1
Hexachlorobutadiene	87-68-3	BRL	1.0	0.13	ug/L	U	1
Isopropylbenzene	98-82-8	BRL	1.0	0.15	ug/L	U	1
Methylene Chloride	75-09-2	BRL	1.0	0.42	ug/L	U	1
Methyl tert-Butyl Ether	1634-04-4	BRL	1.0	0.11	ug/L	U	1
m-Xylene/p-Xylene	179601-23-1	BRL	2.0	0.51	ug/L	U	1
Naphthalene	91-20-3	BRL	1.0	0.22	ug/L	U	1
n-Butylbenzene	104-51-8	BRL	1.0	0.17	ug/L	U	1
n-Propylbenzene	103-65-1	BRL	1.0	0.18	ug/L	U	1
o-Xylene	95-47-6	BRL	1.0	0.20	ug/L	U	1
Sec-Butylbenzene	135-98-8	BRL	1.0	0.21	ug/L	U	1
Styrene	100-42-5	BRL	1.0	0.18	ug/L	U	1
tert-Butylbenzene	98-06-6	BRL	1.0	0.18	ug/L	U	1
Tetrachloroethene	127-18-4	BRL	1.0	0.16	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.14	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	BRL	1.0	0.21	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	BRL	1.0	0.11	ug/L	U	1
Trichloroethene	79-01-6	BRL	1.0	0.19	ug/L	U	1
Trichlorofluoromethane	75-69-4	BRL	1.0	0.53	ug/L	U	1
Vinyl acetate	108-05-4	BRL	5.0	1.3	ug/L	U	1
Vinyl chloride	75-01-4	BRL	1.0	0.19	ug/L	U	1



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Work Order #: 12059

Project ID: AML TO# 0085

Lab Batch #: 36191

Sample: 12059-010 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	62.8	50.0	126	53-159	
Bromofluorobenzene	57.1	50.0	114	30-186	
Toluene-D8	54.5	50.0	109	83-136	

Lab Batch #: 36191

Sample: 12059-011 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.0	50.0	128	53-159	
Bromofluorobenzene	56.0	50.0	112	30-186	
Toluene-D8	54.6	50.0	109	83-136	

Lab Batch #: 36191

Sample: 12059-013 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.3	50.0	129	53-159	
Bromofluorobenzene	55.0	50.0	110	30-186	
Toluene-D8	55.1	50.0	110	83-136	

Lab Batch #: 36191

Sample: 12059-014 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.4	50.0	129	53-159	
Bromofluorobenzene	54.7	50.0	109	30-186	
Toluene-D8	55.4	50.0	111	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Work Order #: 12059

Project ID: AML TO# 0085

Lab Batch #: 36191

Sample: 12059-016 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	65.6	50.0	131	53-159	
Bromofluorobenzene	55.6	50.0	111	30-186	
Toluene-D8	54.8	50.0	110	83-136	

Lab Batch #: 36191

Sample: 12059-017 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	66.8	50.0	134	53-159	
Bromofluorobenzene	54.9	50.0	110	30-186	
Toluene-D8	54.0	50.0	108	83-136	

Lab Batch #: 36191

Sample: 12059-018 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	63.0	50.0	126	53-159	
Bromofluorobenzene	56.4	50.0	113	30-186	
Toluene-D8	55.9	50.0	112	83-136	

Lab Batch #: 36191

Sample: 12059-018 MS / MS

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	61.7	50.0	123	53-159	
Bromofluorobenzene	57.2	50.0	114	30-186	
Toluene-D8	55.9	50.0	112	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Work Order #: 12059

Project ID: AML TO# 0085

Lab Batch #: 36191

Sample: 12059-018 MSD / MSD

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	62.5	50.0	125	53-159	
Bromofluorobenzene	55.4	50.0	111	30-186	
Toluene-D8	55.2	50.0	110	83-136	

Lab Batch #: 36191

Sample: 12059-020 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	67.9	50.0	136	53-159	
Bromofluorobenzene	55.7	50.0	111	30-186	
Toluene-D8	54.7	50.0	109	83-136	

Lab Batch #: 36191

Sample: 12059-021 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	62.6	50.0	125	53-159	
Bromofluorobenzene	56.0	50.0	112	30-186	
Toluene-D8	56.5	50.0	113	83-136	

Lab Batch #: 36191

Sample: 12059-022 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	67.3	50.0	135	53-159	
Bromofluorobenzene	53.7	50.0	107	30-186	
Toluene-D8	55.3	50.0	111	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Work Order #: 12059

Project ID: AML TO# 0085

Lab Batch #: 36191

Sample: 302815 BKS / BKS

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	62.6	50.0	125	64-136	
Bromofluorobenzene	54.7	50.0	109	66-148	
Toluene-D8	56.6	50.0	113	86-127	

Lab Batch #: 36191

Sample: 302815 BLK / BLK

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	61.2	50.0	122	64-136	
Bromofluorobenzene	58.0	50.0	116	66-148	
Toluene-D8	54.9	50.0	110	86-127	

Lab Batch #: 36193

Sample: 12050-025 MS / MS

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	62.8	50.0	126	53-159	
Bromofluorobenzene	54.6	50.0	109	30-186	
Toluene-D8	54.4	50.0	109	83-136	

Lab Batch #: 36193

Sample: 12050-025 MSD / MSD

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	59.0	50.0	118	53-159	
Bromofluorobenzene	53.7	50.0	107	30-186	
Toluene-D8	54.9	50.0	110	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Work Order #: 12059

Project ID: AML TO# 0085

Lab Batch #: 36193

Sample: 12059-002 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	56.0	50.0	112	53-159	
Bromofluorobenzene	50.4	50.0	101	30-186	
Toluene-D8	51.4	50.0	103	83-136	

Lab Batch #: 36193

Sample: 12059-003 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	54.6	50.0	109	53-159	
Bromofluorobenzene	50.1	50.0	100	30-186	
Toluene-D8	51.5	50.0	103	83-136	

Lab Batch #: 36193

Sample: 12059-004 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	54.1	50.0	108	53-159	
Bromofluorobenzene	50.8	50.0	102	30-186	
Toluene-D8	51.5	50.0	103	83-136	

Lab Batch #: 36193

Sample: 12059-005 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	54.9	50.0	110	53-159	
Bromofluorobenzene	50.7	50.0	101	30-186	
Toluene-D8	52.6	50.0	105	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Work Order #: 12059

Project ID: AML TO# 0085

Lab Batch #: 36193

Sample: 302818 BKS / BKS

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	61.5	50.0	123	65-125	
Bromofluorobenzene	53.6	50.0	107	66-148	
Toluene-D8	54.4	50.0	109	86-127	

Lab Batch #: 36193

Sample: 302818 BLK / BLK

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	58.9	50.0	118	65-125	
Bromofluorobenzene	56.6	50.0	113	66-148	
Toluene-D8	53.1	50.0	106	86-127	

Lab Batch #: 36214

Sample: 12059-001 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	64.1	50.0	128	53-159	
Bromofluorobenzene	56.7	50.0	113	30-186	
Toluene-D8	56.4	50.0	113	83-136	

Lab Batch #: 36214

Sample: 12059-006 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	56.7	50.0	113	53-159	
Bromofluorobenzene	53.4	50.0	107	30-186	
Toluene-D8	54.2	50.0	108	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Work Order #: 12059

Project ID: AML TO# 0085

Lab Batch #: 36214

Sample: 12059-007 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	56.2	50.0	112	53-159	
Bromofluorobenzene	54.5	50.0	109	30-186	
Toluene-D8	53.7	50.0	107	83-136	

Lab Batch #: 36214

Sample: 12059-008 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	58.9	50.0	118	53-159	
Bromofluorobenzene	53.5	50.0	107	30-186	
Toluene-D8	53.6	50.0	107	83-136	

Lab Batch #: 36214

Sample: 12059-009 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	58.8	50.0	118	53-159	
Bromofluorobenzene	55.0	50.0	110	30-186	
Toluene-D8	53.5	50.0	107	83-136	

Lab Batch #: 36214

Sample: 12059-012 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	54.9	50.0	110	53-159	
Bromofluorobenzene	53.6	50.0	107	30-186	
Toluene-D8	53.6	50.0	107	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Work Order #: 12059

Project ID: AML TO# 0085

Lab Batch #: 36214

Sample: 12059-012 MS / MS

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	53.9	50.0	108	53-159	
Bromofluorobenzene	54.2	50.0	108	30-186	
Toluene-D8	54.6	50.0	109	83-136	

Lab Batch #: 36214

Sample: 12059-012 MSD / MSD

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	57.3	50.0	115	53-159	
Bromofluorobenzene	53.4	50.0	107	30-186	
Toluene-D8	53.8	50.0	108	83-136	

Lab Batch #: 36214

Sample: 12059-015 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	66.6	50.0	133	53-159	
Bromofluorobenzene	56.2	50.0	112	30-186	
Toluene-D8	54.9	50.0	110	83-136	

Lab Batch #: 36214

Sample: 12059-019 / SMP

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY					
VOCs by SW8260B	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
Analytes					
1,2-Dichloroethane-d4	65.9	50.0	132	53-159	
Bromofluorobenzene	56.0	50.0	112	30-186	
Toluene-D8	55.3	50.0	111	83-136	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Form 2 - Surrogate Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Work Order #: 12059

Project ID: AML TO# 0085

Lab Batch #: 36214

Sample: 302830 BKS / BKS

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	54.3	50.0	109	65-125	
Bromofluorobenzene	53.6	50.0	107	66-148	
Toluene-D8	55.1	50.0	110	86-127	

Lab Batch #: 36214

Sample: 302830 BLK / BLK

Batch: 1 Matrix: W

Units: ug/L

SURROGATE RECOVERY STUDY

VOCs by SW8260B Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,2-Dichloroethane-d4	54.2	50.0	108	65-125	
Bromofluorobenzene	53.5	50.0	107	66-148	
Toluene-D8	54.2	50.0	108	86-127	

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

Z = Surrogate Recovery exceeded the Laboratory QC limits



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/15/07 15:26

Work Order #: 12059

Project ID:

AML TO# 0085

Lab Batch #: 36191

Sample: 302815 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK/BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1,1,2-Tetrachloroethane	<0.24	50	52	104	70-130	
1,1,1-Trichloroethane	<0.16	50	57	114	70-130	
1,1,2,2-Tetrachloroethane	<0.18	50	47	94	70-130	
1,1,2-Trichloroethane	<0.25	50	49	98	70-130	
1,1-Dichloroethane	<0.11	50	51	102	70-130	
1,1-Dichloroethene	<0.20	50	50	100	74-127	
1,1-Dichloropropene	<0.10	50	55	110	70-130	
1,2,3-Trichlorobenzene	<0.25	50	52	104	70-130	
1,2,3-Trichloropropane	<0.21	50	50	100	70-130	
1,2,4-Trichlorobenzene	<0.17	50	53	106	70-130	
1,2,4-Trimethylbenzene	<0.14	50	54	108	70-130	
1,2-Dibromo-3-chloropropane	<0.19	50	50	100	70-130	
1,2-Dibromoethane	<0.18	50	49	98	70-130	
1,2-Dichlorobenzene	<0.14	50	51	102	70-130	
1,2-Dichloroethane	<0.18	50	56	112	70-130	
1,2-Dichloropropane	<0.15	50	49	98	70-130	
1,3,5-Trimethylbenzene	<0.17	50	55	110	70-130	
1,3-Dichlorobenzene	<0.17	50	51	102	70-130	
1,3-Dichloropropane	<0.19	50	51	102	70-130	
1,4-Dichlorobenzene	<0.17	50	51	102	70-130	
2,2-Dichloropropane	<0.21	50	58	116	70-130	
2-Butanone	<0.28	100	88	88	70-130	
2-Chlorotoluene	<0.19	50	52	104	70-130	
2-Hexanone	<0.32	100	90	90	70-130	
4-Chlorotoluene	<0.13	50	52	104	70-130	
4-Methyl-2-pentanone	<0.26	100	96	96	70-130	
Acetone	<0.35	100	110	110	70-130	
Acrolein	<6.6	100	110	110	70-130	
Acrylonitrile	<0.49	100	91	91	70-130	
Benzene	<0.16	50	50	100	72-122	
Bromobenzene	<0.21	50	50	100	70-130	
Bromochloromethane	<0.20	50	48	96	70-130	
Bromodichloromethane	<0.25	50	53	106	70-130	
Bromoform	<0.17	50	46	92	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

0070



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/15/07 15:26

Work Order #: 12059

Project ID:

AML TO# 0085

Lab Batch #: 36191

Sample: 302815 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK/BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Bromomethane	<0.25	50	48	96	70-130	
Carbon disulfide	<0.26	50	52	104	70-130	
Carbon Tetrachloride	<0.33	50	56	112	70-130	
Chlorobenzene	<0.15	50	52	104	74-122	
Chloroethane	<0.26	50	52	104	70-130	
Chloroform	<0.16	50	53	106	70-130	
Chloromethane	<0.25	50	43	86	70-130	
cis-1,2-Dichloroethene	<0.21	50	47	94	70-130	
cis-1,3-Dichloropropene	<0.10	50	47	94	70-130	
Dibromochloromethane	<0.15	50	54	108	70-130	
Dibromomethane	<0.24	50	53	106	70-130	
Dichlorodifluoromethane	<0.22	50	45	90	70-130	
Ethylbenzene	<0.19	50	55	110	70-130	
Hexachlorobutadiene	<0.13	50	55	110	70-130	
Isopropylbenzene	<0.15	50	48	96	70-130	
Methylene Chloride	<0.42	50	110	220	70-130	Z
Methyl tert-Butyl Ether	<0.11	100	97	97	70-130	
m-Xylene/p-Xylene	<0.51	100	110	110	70-130	
Naphthalene	<0.22	50	48	96	70-130	
n-Butylbenzene	<0.17	50	54	108	70-130	
n-Propylbenzene	<0.18	50	53	106	70-130	
o-Xylene	<0.20	50	56	112	70-130	
Sec-Butylbenzene	<0.21	50	53	106	70-130	
Styrene	<0.18	50	56	112	70-130	
tert-Butylbenzene	<0.18	50	49	98	70-130	
Tetrachloroethene	<0.16	50	54	108	70-130	
Toluene	<0.14	50	53	106	77-121	
trans-1,2-Dichloroethene	<0.21	50	53	106	70-130	
trans-1,3-Dichloropropene	<0.11	50	53	106	70-130	
Trichloroethene	<0.19	50	52	104	66-119	
Trichlorofluoromethane	<0.53	50	56	112	70-130	
Vinyl acetate	<1.3	50	45	90	70-130	
Vinyl chloride	<0.19	50	48	96	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

0071



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/15/07 15:26

Work Order #: 12059

Project ID:

AML TO# 0085

Lab Batch #: 36193

Sample: 302818 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1,1,2-Tetrachloroethane	<0.24	50	49	98	70-130	
1,1,1-Trichloroethane	<0.16	50	54	108	70-130	
1,1,2,2-Tetrachloroethane	<0.18	50	44	88	70-130	
1,1,2-Trichloroethane	<0.25	50	46	92	70-130	
1,1-Dichloroethane	<0.11	50	49	98	70-130	
1,1-Dichloroethene	<0.20	50	48	96	74-127	
1,1-Dichloropropene	<0.10	50	51	102	70-130	
1,2,3-Trichlorobenzene	<0.25	50	50	100	70-130	
1,2,3-Trichloropropane	<0.21	50	37	74	70-130	
1,2,4-Trichlorobenzene	<0.17	50	51	102	70-130	
1,2,4-Trimethylbenzene	<0.14	50	50	100	70-130	
1,2-Dibromo-3-chloropropane	<0.19	50	48	96	70-130	
1,2-Dibromoethane	<0.18	50	47	94	70-130	
1,2-Dichlorobenzene	<0.14	50	48	96	70-130	
1,2-Dichloroethane	<0.18	50	56	112	70-130	
1,2-Dichloropropane	<0.15	50	48	96	70-130	
1,3,5-Trimethylbenzene	<0.17	50	51	102	70-130	
1,3-Dichlorobenzene	<0.17	50	48	96	70-130	
1,3-Dichloropropane	<0.19	50	48	96	70-130	
1,4-Dichlorobenzene	<0.17	50	48	96	70-130	
2,2-Dichloropropane	<0.21	50	57	114	70-130	
2-Butanone	<0.28	100	81	81	70-130	
2-Chlorotoluene	<0.19	50	48	96	70-130	
2-Hexanone	<0.32	100	84	84	70-130	
4-Chlorotoluene	<0.13	50	49	98	70-130	
4-Isopropyltoluene	<0.13	50	50	100	70-130	
4-Methyl-2-pentanone	<0.26	100	92	92	70-130	
Acetone	<0.35	100	100	100	70-130	
Acrolein	<6.6	100	120	120	70-130	
Acrylonitrile	<0.49	100	92	92	70-130	
Benzene	<0.16	50	49	98	72-122	
Bromobenzene	<0.21	50	46	92	70-130	
Bromochloromethane	<0.20	50	48	96	70-130	
Bromodichloromethane	<0.25	50	51	102	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

0072



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/15/07 15:26

Work Order #: 12059

Project ID:

AML TO# 0085

Lab Batch #: 36193

Sample: 302818 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Bromoform	<0.17	50	43	86	70-130	
Bromomethane	<0.25	50	49	98	70-130	
Carbon disulfide	<0.26	50	49	98	70-130	
Carbon Tetrachloride	<0.33	50	53	106	70-130	
Chlorobenzene	<0.15	50	49	98	74-122	
Chloroethane	<0.26	50	50	100	70-130	
Chloroform	<0.16	50	51	102	70-130	
Chloromethane	<0.25	50	43	86	70-130	
cis-1,2-Dichloroethene	<0.21	50	44	88	70-130	
cis-1,3-Dichloropropene	<0.10	50	47	94	70-130	
Dibromochloromethane	<0.15	50	51	102	70-130	
Dibromomethane	<0.24	50	50	100	70-130	
Dichlorodifluoromethane	<0.22	50	49	98	70-130	
Ethylbenzene	<0.19	50	51	102	70-130	
Hexachlorobutadiene	<0.13	50	52	104	70-130	
Isopropylbenzene	<0.15	50	45	90	70-130	
Methylene Chloride	<0.42	50	95	190	70-130	Z
Methyl tert-Butyl Ether	<0.11	100	95	95	70-130	
m-Xylene/p-Xylene	<0.51	100	100	100	70-130	
Naphthalene	<0.22	50	46	92	70-130	
n-Butylbenzene	<0.17	50	50	100	70-130	
n-Propylbenzene	<0.18	50	49	98	70-130	
o-Xylene	<0.20	50	52	104	70-130	
Sec-Butylbenzene	<0.21	50	50	100	70-130	
Styrene	<0.18	50	53	106	70-130	
tert-Butylbenzene	<0.18	50	45	90	70-130	
Tetrachloroethene	<0.16	50	50	100	70-130	
Toluene	<0.14	50	49	98	77-121	
trans-1,2-Dichloroethene	<0.21	50	49	98	70-130	
trans-1,3-Dichloropropene	<0.11	50	50	100	70-130	
Trichloroethene	<0.19	50	49	98	66-119	
Trichlorofluoromethane	<0.53	50	54	108	70-130	
Vinyl acetate	<1.3	50	44	88	70-130	
Vinyl chloride	<0.19	50	47	94	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

0073



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Work Order #: 12059

Lab Batch #: 36214

Reporting Units: ug/L

Sample: 302830 BKS

Batch #: 1

Report Date:

Project ID:

Matrix: W

06/15/07 15:26

AML TO# 0085

VOCs by SW8260B		BLANK /BLANK SPIKE RECOVERY STUDY				
Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
1,1,1,2-Tetrachloroethane	<0.24	50	46	92	70-130	
1,1,1-Trichloroethane	<0.16	50	48	96	70-130	
1,1,2,2-Tetrachloroethane	<0.18	50	40	80	70-130	
1,1,2-Trichloroethane	<0.25	50	42	84	70-130	
1,1-Dichloroethane	<0.11	50	46	92	70-130	
1,1-Dichloroethene	<0.20	50	44	88	74-127	
1,1-Dichloropropene	<0.10	50	47	94	70-130	
1,2,3-Trichlorobenzene	<0.25	50	49	98	70-130	
1,2,3-Trichloropropane	<0.21	50	44	88	70-130	
1,2,4-Trichlorobenzene	<0.17	50	49	98	70-130	
1,2,4-Trimethylbenzene	<0.14	50	49	98	70-130	
1,2-Dibromo-3-chloropropane	<0.19	50	44	88	70-130	
1,2-Dibromoethane	<0.18	50	43	86	70-130	
1,2-Dichlorobenzene	<0.14	50	46	92	70-130	
1,2-Dichloroethane	<0.18	50	46	92	70-130	
1,2-Dichloropropane	<0.15	50	44	88	70-130	
1,3,5-Trimethylbenzene	<0.17	50	49	98	70-130	
1,3-Dichlorobenzene	<0.17	50	48	96	70-130	
1,3-Dichloropropane	<0.19	50	44	88	70-130	
1,4-Dichlorobenzene	<0.17	50	47	94	70-130	
2,2-Dichloropropane	<0.21	50	51	102	70-130	
2-Butanone	<0.28	100	73	73	70-130	
2-Chlorotoluene	<0.19	50	48	96	70-130	
2-Hexanone	<0.32	100	74	74	70-130	
4-Chlorotoluene	<0.13	50	43	86	70-130	
4-Methyl-2-pentanone	<0.26	100	77	77	70-130	
Acetone	<0.35	100	89	89	70-130	
Acrolein	<6.6	100	91	91	70-130	
Acrylonitrile	<0.49	100	84	84	70-130	
Benzene	<0.16	50	46	92	72-122	
Bromobenzene	<0.21	50	45	90	70-130	
Bromochloromethane	<0.20	50	44	88	70-130	
Bromodichloromethane	<0.25	50	45	90	70-130	
Bromoform	<0.17	50	41	82	70-130	

Blank Spike Recovery [D] = $100 * [C] / [B]$

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

0074



Blank Spike Recovery

Project Name: Hunter Perimeter Sampling

Report Date:

06/15/07 15:26

Work Order #: 12059

Project ID:

AML TO# 0085

Lab Batch #: 36214

Sample: 302830 BKS

Matrix: W

Reporting Units: ug/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

VOCs by SW8260B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Bromomethane	<0.25	50	43	86	70-130	
Carbon disulfide	<0.26	50	45	90	70-130	
Carbon Tetrachloride	<0.33	50	48	96	70-130	
Chlorobenzene	<0.15	50	47	94	74-122	
Chloroethane	<0.26	50	46	92	70-130	
Chloroform	<0.16	50	46	92	70-130	
Chloromethane	<0.25	50	40	80	70-130	
cis-1,2-Dichloroethene	<0.21	50	43	86	70-130	
cis-1,3-Dichloropropene	<0.10	50	43	86	70-130	
Dibromochloromethane	<0.15	50	47	94	70-130	
Dibromomethane	<0.24	50	45	90	70-130	
Dichlorodifluoromethane	<0.22	50	41	82	70-130	
Ethylbenzene	<0.19	50	49	98	70-130	
Hexachlorobutadiene	<0.13	50	52	104	70-130	
Isopropylbenzene	<0.15	50	45	90	70-130	
Methylene Chloride	<0.42	50	88	176	70-130	Z
Methyl tert-Butyl Ether	<0.11	100	86	86	70-130	
m-Xylene/p-Xylene	<0.51	100	96	96	70-130	
Naphthalene	<0.22	50	45	90	70-130	
n-Butylbenzene	<0.17	50	48	96	70-130	
n-Propylbenzene	<0.18	50	48	96	70-130	
o-Xylene	<0.20	50	50	100	70-130	
Sec-Butylbenzene	<0.21	50	48	96	70-130	
Styrene	<0.18	50	50	100	70-130	
tert-Butylbenzene	<0.18	50	45	90	70-130	
Tetrachloroethene	<0.16	50	50	100	70-130	
Toluene	<0.14	50	47	94	77-121	
trans-1,2-Dichloroethene	<0.21	50	49	98	70-130	
trans-1,3-Dichloropropene	<0.11	50	47	94	70-130	
Trichloroethene	<0.19	50	46	92	66-119	
Trichlorofluoromethane	<0.53	50	45	90	70-130	
Vinyl acetate	<1.3	50	38	76	70-130	
Vinyl chloride	<0.19	50	43	86	70-130	

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA

ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

0075



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Project ID: AML TO# 0085

Work Order #: 12059

Lab Batch ID: 36191

Reporting Units: ug/L

QC-Sample ID: 12059-018 MS

Batch #: 1

Matrix: W

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
VOCs by SW8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1,1,2-Tetrachloroethane	<0.24	50	49	98	50	50	100	2	70-130	20	
1,1,1-Trichloroethane	<0.16	50	51	102	50	53	106	4	70-130	20	
1,1,2,2-Tetrachloroethane	<0.18	50	48	96	50	50	100	4	70-130	20	
1,1,2-Trichloroethane	<0.25	50	47	94	50	49	98	4	70-130	20	
1,1-Dichloroethane	<0.11	50	48	96	50	50	100	4	70-130	20	
1,1-Dichloroethene	<0.20	50	46	92	50	49	98	6	70-135	20	
1,1-Dichloropropene	<0.10	50	48	96	50	53	106	10	70-130	20	
1,2,3-Trichlorobenzene	<0.25	50	56	112	50	56	112	0	70-130	20	
1,2,3-Trichloropropene	<0.21	50	52	104	50	41	82	24	70-130	20	F
1,2,4-Trichlorobenzene	<0.17	50	55	110	50	54	108	2	70-130	20	
1,2,4-Trimethylbenzene	<0.14	50	49	98	50	53	106	8	70-130	20	
1,2-Dibromo-3-chloropropane	<0.19	50	57	114	50	56	112	2	70-130	20	
1,2-Dibromoethane	<0.18	50	48	96	50	52	104	8	70-130	20	
1,2-Dichlorobenzene	<0.14	50	49	98	50	50	100	2	70-130	20	
1,2-Dichloroethane	<0.18	50	52	104	50	57	114	9	70-130	20	
1,2-Dichloropropene	<0.15	50	47	94	50	48	96	2	70-130	20	
1,3,5-Trimethylbenzene	<0.17	50	49	98	50	52	104	6	70-130	20	
1,3-Dichlorobenzene	<0.17	50	49	98	50	51	102	4	70-130	20	
1,3-Dichloropropene	<0.19	50	48	96	50	52	104	8	70-130	20	
1,4-Dichlorobenzene	<0.17	50	48	96	50	51	102	6	70-130	20	
2,2-Dichloropropene	<0.21	50	54	108	50	55	110	2	70-130	20	
2-Butanone	<0.28	100	88	88	100	100	100	13	70-130	20	
2-Chlorotoluene	<0.19	50	49	98	50	50	100	2	70-130	20	
2-Hexanone	<0.32	100	93	93	100	110	110	17	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Project ID: AML TO# 0085

Work Order #: 12059

Lab Batch ID: 36191

Reporting Units: ug/L

QC- Sample ID: 12059-018 MS

Batch #: 1

Matrix: W

VOCs by SW8260B		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
4-Chlorotoluene		<0.13	50	48	96	50	45	90	6	70-130	20	
4-Isopropyltoluene		<0.13	50	49	98	50	52	104	6	70-130	20	
4-Methyl-2-pentanone		<0.26	100	93	93	100	110	110	17	70-130	20	
Acetone		<0.35	100	120	120	100	140	140	15	70-130	20	Z
Acrolein		<6.6	100	100	100	100	110	110	10	70-130	20	
Acrylonitrile		<0.49	100	91	91	100	100	100	9	70-130	20	
Benzene		<0.16	50	47	94	50	50	100	6	72-128	20	
Bromobenzene		<0.21	50	49	98	50	50	100	2	70-130	20	
Bromochloromethane		<0.20	50	45	90	50	49	98	9	70-130	20	
Bromodichloromethane		<0.25	50	49	98	50	51	102	4	70-130	20	
Bromoform		<0.17	50	48	96	50	51	102	6	70-130	20	
Bromomethane		<0.25	50	44	88	50	42	84	5	70-130	20	
Carbon disulfide		<0.26	50	45	90	50	47	94	4	70-130	20	
Carbon Tetrachloride		<0.33	50	50	100	50	53	106	6	70-130	20	
Chlorobenzene		<0.15	50	47	94	50	50	100	6	77-121	20	
Chloroethane		<0.26	50	47	94	50	49	98	4	70-130	20	
Chloroform		<0.16	50	47	94	50	49	98	4	70-130	20	
Chloromethane		<0.25	50	41	82	50	41	82	0	70-130	20	
cis-1,2-Dichloroethene		<0.21	50	44	88	50	46	92	4	70-130	20	
cis-1,3-Dichloropropene		<0.10	50	45	90	50	46	92	2	70-130	20	
Dibromochloromethane		<0.15	50	51	102	50	54	108	6	70-130	20	
Dibromomethane		<0.24	50	50	100	50	52	104	4	70-130	20	
Dichlorodifluoromethane		<0.22	50	39	78	50	40	80	3	70-130	20	
Ethylbenzene		<0.19	50	49	98	50	52	104	6	70-130	20	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Project ID: AML TO# 0085

Work Order #: 12059

Lab Batch ID: 36191

Reporting Units: ug/L

QC- Sample ID: 12059-018 MS

Batch #: 1 Matrix: W

VOCs by SW8260B Analytes		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachlorobutadiene		<0.13	50	56	112	50	55	110	2	70-130	20	
Isopropylbenzene		<0.15	50	46	92	50	47	94	2	70-130	20	
Methylene Chloride		<0.42	50	100	200	50	55	110	58	70-130	20	ZF
Methyl tert-Butyl Ether		<0.11	100	97	97	100	89	89	9	70-130	20	
m-Xylene/p-Xylene		<0.51	100	93	93	100	100	100	7	70-130	20	
Naphthalene		<0.22	50	53	106	50	56	112	6	70-130	20	
n-Butylbenzene		<0.17	50	48	96	50	52	104	8	70-130	20	
n-Propylbenzene		<0.18	50	48	96	50	51	102	6	70-130	20	
o-Xylene		<0.20	50	48	96	50	54	108	12	70-130	20	
Sec-Butylbenzene		<0.21	50	48	96	50	51	102	6	70-130	20	
Styrene		<0.18	50	50	100	50	55	110	10	70-130	20	
tert-Butylbenzene		<0.18	50	46	92	50	48	96	4	70-130	20	
Tetrachloroethene		<0.16	50	48	96	50	52	104	8	70-130	20	
Toluene		<0.14	50	48	96	50	51	102	6	76-124	20	
trans-1,2-Dichloroethene		<0.21	50	46	92	50	34	68	30	70-130	20	ZF
trans-1,3-Dichloropropene		<0.11	50	50	100	50	55	110	10	70-130	20	
Trichloroethene		<0.19	50	47	94	50	50	100	6	68-125	20	
Trichlorofluoromethane		<0.53	50	49	98	50	50	100	2	70-130	20	
Vinyl acetate		<1.3	50	42	84	50	48	96	13	70-130	20	
Vinyl chloride		<0.19	50	44	88	50	45	90	2	70-130	20	

00700

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times (D-G)/(D+G)$
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Project ID: AML TO# 0085

Work Order #: 12059

Lab Batch ID: 36193

QC- Sample ID: 12050-025 MS

Batch #: 1 Matrix: W

Reporting Units: ug/L

VOCs by SW8260B Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										Control Limits %RPD	Flag
	Parent Sample Result [A]	Spike Added [B]	Spike Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD		
1,1,1,2-Tetrachloroethane	<0.24	50	48	96	50	52	104	8	70-130	20		
1,1,1-Trichloroethane	<0.16	50	52	104	50	57	114	9	70-130	20		
1,1,2,2-Tetrachloroethane	<0.18	50	48	96	50	51	102	6	70-130	20		
1,1,2-Trichloroethane	<0.25	50	49	98	50	50	100	2	70-130	20		
1,1-Dichloroethane	<0.11	50	48	96	50	51	102	6	70-130	20		
1,1-Dichloroethene	<0.20	50	48	96	50	49	98	2	70-135	20		
1,1-Dichloropropene	<0.10	50	52	104	50	55	110	6	70-130	20		
1,2,3-Trichlorobenzene	<0.25	50	52	104	50	55	110	6	70-130	20		
1,2,3-Trichloropropane	<0.21	50	53	106	50	56	112	6	70-130	20		
1,2,4-Trichlorobenzene	<0.17	50	51	102	50	55	110	8	70-130	20		
1,2,4-Trimethylbenzene	<0.14	50	49	98	50	54	108	10	70-130	20		
1,2-Dibromo-3-chloropropane	<0.19	50	52	104	50	59	118	13	70-130	20		
1,2-Dibromoethane	<0.18	50	51	102	50	54	108	6	70-130	20		
1,2-Dichlorobenzene	<0.14	50	48	96	50	51	102	6	70-130	20		
1,2-Dichloroethane	<0.18	50	55	110	50	57	114	4	70-130	20		
1,2-Dichloropropane	<0.15	50	46	92	50	49	98	6	70-130	20		
1,3,5-Trimethylbenzene	<0.17	50	50	100	50	54	108	8	70-130	20		
1,3-Dichlorobenzene	<0.17	50	48	96	50	51	102	6	70-130	20		
1,3-Dichloropropane	<0.19	50	50	100	50	53	106	6	70-130	20		
1,4-Dichlorobenzene	<0.17	50	48	96	50	51	102	6	70-130	20		
2,2-Dichloropropane	<0.21	50	54	108	50	57	114	5	70-130	20		
2-Butanone	<0.28	100	100	100	100	100	100	0	70-130	20		
2-Chlorotoluene	<0.19	50	48	96	50	52	104	8	70-130	20		
2-Hexanone	<0.32	100	100	100	100	110	110	10	70-130	20		

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Project ID: AML TO# 0085

Work Order #: 12059

Lab Batch ID: 36193

Reporting Units: ug/L

QC-Sample ID: 12050-025 MS

Batch #: 1 Matrix: W

VOCs by SW8260B Analytes		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
4-Chlorotoluene		<0.13	50	48	96	50	52	104	8	70-130	20	
4-Isopropyltoluene		<0.13	50	50	100	50	54	108	8	70-130	20	
4-Methyl-2-pentanone		<0.26	100	100	100	100	110	110	10	70-130	20	
Acetone		<0.35	100	140	140	100	150	150	7	70-130	20	Z
Acrolein		<6.6	100	42	42	100	35	35	18	70-130	20	Z
Acrylonitrile		<0.49	100	100	100	100	110	110	10	70-130	20	
Benzene		<0.16	50	48	96	50	51	102	6	72-128	20	
Bromobenzene		<0.21	50	47	94	50	50	100	6	70-130	20	
Bromochloromethane		<0.20	50	46	92	50	50	100	8	70-130	20	
Bromodichloromethane		<0.25	50	50	100	50	52	104	4	70-130	20	
Bromoform		<0.17	50	47	94	50	51	102	8	70-130	20	
Bromomethane		<0.25	50	42	84	50	46	92	9	70-130	20	
Carbon disulfide		<0.26	50	48	96	50	51	102	6	70-130	20	
Carbon Tetrachloride		<0.33	50	52	104	50	55	110	6	70-130	20	
Chlorobenzene		<0.15	50	47	94	50	51	102	8	77-121	20	
Chloroethane		<0.26	50	48	96	50	51	102	6	70-130	20	
Chloroform		<0.16	50	48	96	50	51	102	6	70-130	20	
Chloromethane		<0.25	50	42	84	50	45	90	7	70-130	20	
cis-1,2-Dichloroethene		<0.21	50	44	88	50	48	96	9	70-130	20	
cis-1,3-Dichloropropene		<0.10	50	47	94	50	49	98	4	70-130	20	
Dibromochloromethane		<0.15	50	52	104	50	55	110	6	70-130	20	
Dibromomethane		<0.24	50	53	106	50	56	112	6	70-130	20	
Dichlorodifluoromethane		<0.22	50	46	92	50	49	98	6	70-130	20	
Ethylbenzene		<0.19	50	50	100	50	54	108	8	70-130	20	

Matrix Spike Percent Recovery $[D] = 100 \times (C-A)/B$
Relative Percent Difference $RPD = 200 \times (D-G)/(D+G)$

F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery $[G] = 100 \times (F-A)/E$



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Project ID: AML TO# 0085

Work Order #: 12059

Lab Batch ID: 36193

Reporting Units: ug/L

QC- Sample ID: 12050-025 MS

Batch #: 1 Matrix: W

VOCs by SW8260B Analytes		Parent Sample Result [A]	Spike Added [B]	Spike Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachlorobutadiene		<0.13	50	50	100	50	55	110	10	70-130	20	
Isopropylbenzene		<0.15	50	45	90	50	49	98	9	70-130	20	
Methylene Chloride		<0.42	50	48	96	50	53	106	10	70-130	20	
Methyl tert-Butyl Ether		<0.11	100	100	100	100	110	110	10	70-130	20	
m-Xylene/p-Xylene		<0.51	100	97	97	100	110	110	13	70-130	20	
Naphthalene		<0.22	50	52	104	50	55	110	6	70-130	20	
n-Butylbenzene		<0.17	50	49	98	50	54	108	10	70-130	20	
n-Propylbenzene		<0.18	50	49	98	50	53	106	8	70-130	20	
o-Xylene		<0.20	50	51	102	50	56	112	9	70-130	20	
Sec-Butylbenzene		<0.21	50	49	98	50	53	106	8	70-130	20	
Styrene		<0.18	50	51	102	50	56	112	9	70-130	20	
tert-Butylbenzene		<0.18	50	45	90	50	49	98	9	70-130	20	
Tetrachloroethene		<0.16	50	53	106	50	57	114	7	70-130	20	
Toluene		<0.14	50	48	96	50	53	106	10	76-124	20	
trans-1,2-Dichloroethene		<0.21	50	48	96	50	52	104	8	70-130	20	
trans-1,3-Dichloropropene		<0.11	50	50	100	50	55	110	10	70-130	20	
Trichloroethene		<0.19	50	48	96	50	52	104	8	68-125	20	
Trichlorofluoromethane		<0.53	50	50	100	50	52	104	4	70-130	20	
Vinyl acetate		<1.3	50	45	90	50	46	92	2	70-130	20	
Vinyl chloride		<0.19	50	45	90	50	48	96	6	70-130	20	

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Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Project ID: AML TO# 0085

Work Order #: 12059

Lab Batch ID: 36214

Reporting Units: ug/L

QC- Sample ID: 12059-012 MS

Batch #: 1 Matrix: W

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY											
VOCs by SW8260B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample/ Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample/ Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
1,1,1,2-Tetrachloroethane	<0.24	50	49	98	50	48	96	2	70-130	20	
1,1,1-Trichloroethane	<0.16	50	48	96	50	49	98	2	70-130	20	
1,1,2,2-Tetrachloroethane	<0.18	50	43	86	50	47	94	9	70-130	20	
1,1,2-Trichloroethane	<0.25	50	44	88	50	47	94	7	70-130	20	
1,1-Dichloroethane	<0.11	50	46	92	50	47	94	2	70-130	20	
1,1-Dichloroethene	<0.20	50	44	88	50	44	88	0	70-135	20	
1,1-Dichloropropene	<0.10	50	49	98	50	51	102	4	70-130	20	
1,2,3-Trichlorobenzene	<0.25	50	54	108	50	54	108	0	70-130	20	
1,2,3-Trichloropropene	<0.21	50	47	94	50	51	102	8	70-130	20	
1,2,4-Trichlorobenzene	<0.17	50	53	106	50	54	108	2	70-130	20	
1,2,4-Trimethylbenzene	<0.14	50	50	100	50	50	100	0	70-130	20	
1,2-Dibromo-3-chloropropene	<0.19	50	47	94	50	52	104	10	70-130	20	
1,2-Dibromoethane	<0.18	50	46	92	50	50	100	8	70-130	20	
1,2-Dichlorobenzene	<0.14	50	49	98	50	50	100	2	70-130	20	
1,2-Dichloroethane	<0.18	50	48	96	50	52	104	8	70-130	20	
1,2-Dichloropropene	<0.15	50	45	90	50	47	94	4	70-130	20	
1,3,5-Trimethylbenzene	<0.17	50	50	100	50	50	100	0	70-130	20	
1,3-Dichlorobenzene	<0.17	50	50	100	50	50	100	0	70-130	20	
1,3-Dichloropropene	<0.19	50	47	94	50	48	96	2	70-130	20	
1,4-Dichlorobenzene	<0.17	50	49	98	50	50	100	2	70-130	20	
2,2-Dichloropropene	<0.21	50	52	104	50	51	102	2	70-130	20	
2-Butanone	<0.28	100	83	83	100	98	98	17	70-130	20	
2-Chlorotoluene	<0.19	50	48	96	50	47	94	2	70-130	20	
2-Hexanone	<0.32	100	83	83	100	95	95	13	70-130	20	

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

F = RPD exceeded the laboratory control limits



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Project ID: AML TO# 0085

Work Order #: 12059

Lab Batch ID: 36214

Reporting Units: ug/L

QC- Sample ID: 12059-012 MS

Batch #: 1 Matrix: W

VOCs by SW8260B		Parent Sample Result [A]	Spike Added [B]	Spike Sample Result [C]	Spike Sample %R [D]	Spike Added [E]	Duplicate Spike Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes												
4-Chlorotoluene		<0.13	50	48	96	50	43	86	11	70-130	20	
4-Isopropyltoluene		<0.13	50	50	100	50	50	100	0	70-130	20	
4-Methyl-2-pentanone		<0.26	100	87	87	100	100	100	14	70-130	20	
Acetone		<0.35	100	100	100	100	120	120	18	70-130	20	
Acrolein		<6.6	100	98	98	100	110	110	12	70-130	20	
Acrylonitrile		<0.49	100	87	87	100	99	99	13	70-130	20	
Benzene		<0.16	50	46	92	50	49	98	6	72-128	20	
Bromobenzene		<0.21	50	47	94	50	48	96	2	70-130	20	
Bromochloromethane		<0.20	50	46	92	50	47	94	2	70-130	20	
Bromodichloromethane		<0.25	50	46	92	50	49	98	6	70-130	20	
Bromoform		<0.17	50	46	92	50	50	100	8	70-130	20	
Bromomethane		<0.25	50	42	84	50	38	76	10	70-130	20	
Carbon disulfide		<0.26	50	44	88	50	44	88	0	70-130	20	
Carbon Tetrachloride		<0.33	50	48	96	50	48	96	0	70-130	20	
Chlorobenzene		<0.15	50	48	96	50	48	96	0	77-121	20	
Chloroethane		<0.26	50	47	94	50	45	90	4	70-130	20	
Chloroform		<0.16	50	45	90	50	46	92	2	70-130	20	
Chloromethane		<0.25	50	41	82	50	41	82	0	70-130	20	
cis-1,2-Dichloroethene		<0.21	50	44	88	50	46	92	4	70-130	20	
cis-1,3-Dichloropropene		<0.10	50	45	90	50	45	90	0	70-130	20	
Dibromochloromethane		<0.15	50	49	98	50	52	104	6	70-130	20	
Dibromomethane		<0.24	50	47	94	50	52	104	10	70-130	20	
Dichlorodifluoromethane		<0.22	50	42	84	50	39	78	7	70-130	20	
Ethylbenzene		<0.19	50	49	98	50	49	98	0	70-130	20	

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

F = RPD exceeded the laboratory control limits



Form 3 - MS / MSD Recoveries

Project Name: Hunter Perimeter Sampling

Report Date: 06/15/07 15:26

Project ID: AML TO# 0085

Work Order #: 12059

Lab Batch ID: 36214

Reporting Units: ug/L

QC- Sample ID: 12059-012 MS

Batch #: 1

Matrix: W

VOCs by SW8260B Analytes		Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Hexachlorobutadiene		<0.13	50	53	106	50	52	104	2	70-130	20	
Isopropylbenzene		<0.15	50	45	90	50	45	90	0	70-130	20	
Methylene Chloride		<0.42	50	89	178	50	45	90	66	70-130	20	ZF
Methyl tert-Butyl Ether		<0.11	100	92	92	100	93	93	1	70-130	20	
m-Xylene/p-Xylene		<0.51	100	98	98	100	97	97	1	70-130	20	
Naphthalene		14	50	64	100	50	69	110	10	70-130	20	
n-Butylbenzene		<0.17	50	49	98	50	50	100	2	70-130	20	
n-Propylbenzene		<0.18	50	49	98	50	49	98	0	70-130	20	
o-Xylene		<0.20	50	51	102	50	51	102	0	70-130	20	
Sec-Butylbenzene		<0.21	50	49	98	50	49	98	0	70-130	20	
Styrene		<0.18	50	52	104	50	53	106	2	70-130	20	
tert-Butylbenzene		<0.18	50	46	92	50	46	92	0	70-130	20	
Tetrachloroethene		<0.16	50	51	102	50	51	102	0	70-130	20	
Toluene		<0.14	50	48	96	50	49	98	2	76-124	20	
trans-1,2-Dichloroethene		<0.21	50	48	96	50	37	74	26	70-130	20	F
trans-1,3-Dichloropropene		<0.11	50	49	98	50	51	102	4	70-130	20	
Trichloroethene		<0.19	50	47	94	50	49	98	4	68-125	20	
Trichlorofluoromethane		<0.53	50	45	90	50	44	88	2	70-130	20	
Vinyl acetate		<1.3	50	45	90	50	47	94	4	70-130	20	
Vinyl chloride		<0.19	50	44	88	50	43	86	2	70-130	20	

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Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)
F = RPD exceeded the laboratory control limits

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E



Abbreviations and EPA Qualifier Codes used by AAL

- Rep Limit: This abbreviation on our analytical reports is for: Reporting Limit (RL).
- BRL: This abbreviation indicates that the analytical results were Below the Reporting Limit (BRL).
- MDL: The Method Detection Limit (MDL), as defined by 40 CFR Part 136, Appendix B, is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero.
- U: The compound was analyzed for, but not detected above the specified MDL.
- J: This indicates an estimated value. The target analyte is *positively identified*, but the reported numerical result (analyte concentration) is an *estimated* value and the direction of the bias is unknown. The result is above the MDL, but below the RL.
- B: This is used when the analyte is found in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. The flag shall be used for a tentatively identified compound as well as for a positively identified target compound.
- D: This flag indicates that the identified analyte is reported from the dilution analysis.
- E: This identifies compounds whose concentrations exceed the upper level of the linear calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than the upper level of the calibration range, the sample or extract should be diluted and re-analyzed.
- Note: For Xylenes, Total, where three isomers are quantified as two peaks, the calibration range of each peak is considered separately.*
- X: This qualifier is defined by the laboratory in written case narrative.
- Z: Surrogates/Spikes results are outside the laboratory or method quality control limits.
- ZZ: Surrogates/Spikes results are outside the laboratory or method quality control limits in multiple QC samples.
- ***: Surrogate recoveries were diluted out.
- M: Manual integrations were necessary and an "m" qualifying code is present on the quantitation report next to the analyte.
- N: Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds. (TICs), where the identification is based on a mass spectral library search. For generic characterization of a TIC, such as chlorinated hydrocarbon, the "N" flag is not used.