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CORRECTIVE ACTION PLAN PROGRESS REPORT FOR CALENDAR YEAR 2008

FOR THE

3d Inf Div (Mech)

SOLID WASTE MANAGEMENT UNIT 27F: 3D ENGINEER BRIGADE, NORTHWEST OF BUILDING 1340 AT FORT STEWART, GEORGIA

Prepared for

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT

Contract No. DACA21-02-D-0004
Delivery Order 0069

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From Science to Solutions

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Resource Conservation and Recovery Act
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Prepared for
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July 2008

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

contributed to the preparation of this document and should not be considered an eligible contractor for its review.

CERTIFICATION

This *Corrective Action Plan Progress Report for Calendar Year 2008 for the Solid Waste Management Unit 27F: 3d Engineer Brigade Northwest of Building 1340 at Fort Stewart, Georgia*, has been prepared in accordance with Title 40, *Code of Federal Regulations,* Part 264 and Hazardous Waste Facility Permit No. HW-045(S&T), as renewed August 14, 1997.

The undersigned certifies that I am a qualified groundwater scientist who has received a baccalaureate or postgraduate degree in the natural sciences or engineering and that I have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, to enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by myself or by a subordinate working under my direction.

GEORGIA REGISTERED 22851 PROFESSIONAL ENGINEER PATRICIA A. STOLL

7/22/08

Patricia A. Stoll, P.E.
Technical Manager
Science Applications International Corporation

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CONTENTS

FIGURES

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TABLES

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ACRONYMS

AT123D	Analytical Transient 1-, 2-, 3-Dimensional (model)
BGS	below ground surface
BHHRA	baseline human health risk assessment
BTEX	benzene, toluene, ethylbenzene, and xylenes
CAP	Corrective Action Plan
COC	constituent of concern
COPC	constituent of potential concern
CY	calendar year
DCE	dichloroethene
DPT	direct-push technology
DPW	Directorate of Public Works
DRO	diesel-range organics
EPA	U. S. Environmental Protection Agency
F&T	fate and transport
FSMR	Fort Stewart Military Reservation
GA EPD	Georgia Environmental Protection Division
GRO	gasoline-range organics
HHCOC	human health constituent of concern
HI	hazard index
MCL	maximum contaminant level
MDC	maximum detected concentration
MNA	monitored natural attenuation
OWS	oil/water separator
PRG	preliminary remediation goal
psi	pounds per square inch
PVC	polyvinyl chloride
RBC	risk-based concentration
RCRA	Resource Conservation and Recovery Act
RFI	RCRA facility investigation
RL	remedial level
SAIC	Science Applications International Corporation
SOD	soil oxidant demand
SRC	site-related constituent
SSL	soil screening level
SVOC	semivolatile organic compound
SWMU	solid waste management unit
TOD	total oxidant demand
USACE	U. S. Army Corps of Engineers
UST	underground storage tank
VOC	volatile organic compound

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1.0 INTRODUCTION

This report presents results from the soil and groundwater sampling from soil borings in calendar years (CYs) 2007 and 2008 and groundwater monitoring from monitoring wells in CY 2008 for Solid Waste Management Unit (SWMU) 27F: 3d Engineer Brigade, Northwest of Building 1340 at Fort Stewart, Georgia. This report was prepared in accordance with the requirements of the A*ddendum for SWMU 27F: 3d Engineer Brigade, Northwest of Building 1340 to the Revised Final Phase II RCRA Facility Investigation Report for 16 Solid Waste Management Units at Fort Stewart, Georgia* (SAIC 2001), and the final *Corrective Action Plan for the 3d Engineering Brigade, Northwest of Building 1340 (Solid Waste Management Unit 27F) at Fort Stewart Military Reservation, Fort Stewart, Georgia* (SAIC 2004). The revised final *Phase II RCRA Facility Investigation Report for 16 Solid Waste Management Units at Fort Stewart, Georgia*, was issued in April 2000 (SAIC 2000).

This report has been prepared by Science Applications International Corporation (SAIC) for the U. S. Army Corps of Engineers (USACE), Savannah District under contract DACA21-02-D-0004, delivery order 0069. The soil and groundwater sampling was conducted in accordance with the *Sampling and Analysis Plan for the Phase II RCRA Facility Investigation of 16 Solid Waste Management Units at Fort Stewart, Georgia* (SAIC 1997), and the *Addendum No. 6 to the Sampling and Analysis Plan for the Phase II RCRA Facility Investigation of 16 Solid Waste Management Units at Fort Stewart, Georgia*, dated August 2005 (SAIC 2005a), which was developed in accordance with USACE Guidance EM 200-1-3.

1.1 SITE BACKGROUND AND OPERATIONAL HISTORY

SWMU 27F, northwest of Building 1340, is 1 of 2 oil/water separators (OWSs) that support the vehicle maintenance activities of the 3d Engineer Brigade and 1 of 32 OWSs distributed across 29 sites that support the vehicle maintenance facilities within the garrison area (Figure 1). The OWS is located along the northwestern boundary of the motor pool area, approximately 650 ft northwest of Building 1340 (Figure 2) and adjacent to a covered maintenance area identified as Building 1390. Maintenance activities for military vehicles were performed at the maintenance pad up to 2001 when the facility was supposedly shut down. The maintenance pad consists of six bays, three of which have inspection pits that allow military personnel to access underneath the military vehicles. A floor drain is located in each of the inspection pits to collect any drainage (i.e., spills and water) that may collect in the inspection pit. The floor drains are piped to the OWS by way of a common 6-in.-polyvinyl chloride (PVC) pipe (Pipe A on Figure 2). In addition, a sliding collection tray is located in each inspection pit that allows oil from maintenance of vehicles to be directly discharged into a 1,000-gal waste oil underground storage tank (UST). A drain in the sliding collection tray flows to a trough located on the east side of each inspection pit. The troughs transition into a 3-in.-diameter steel pipe that flows below ground to a common 4-in.-diameter cast iron pipe (Pipe D in Figure 2) that discharges to a 1,000-gal waste oil UST located south of the OWS (Figure 2). The UST was removed in 1996 and the pipes supposedly abandoned.

A grated drainage trench approximately 4 in. wide × 12 in. deep × 116 ft long runs east to west along the south side of the maintenance pad. The drainage trench transitions into a 4-in.-diameter PVC pipe at the western end of the trench, which then travels parallel along the length of the OWS and ties into the 6-in. PVC pipe (Pipe A on Figure 2) prior to it entering the OWS.

Oil discharged into the main chamber of the OWS is removed by the skimmer and flows (Pipe C on Figure 2) to the smaller holding chamber/reservoir located at the south end of the OWS. Waste oil was routinely pumped out of the holding unit and burned at the Central Energy Plant. The effluent from the

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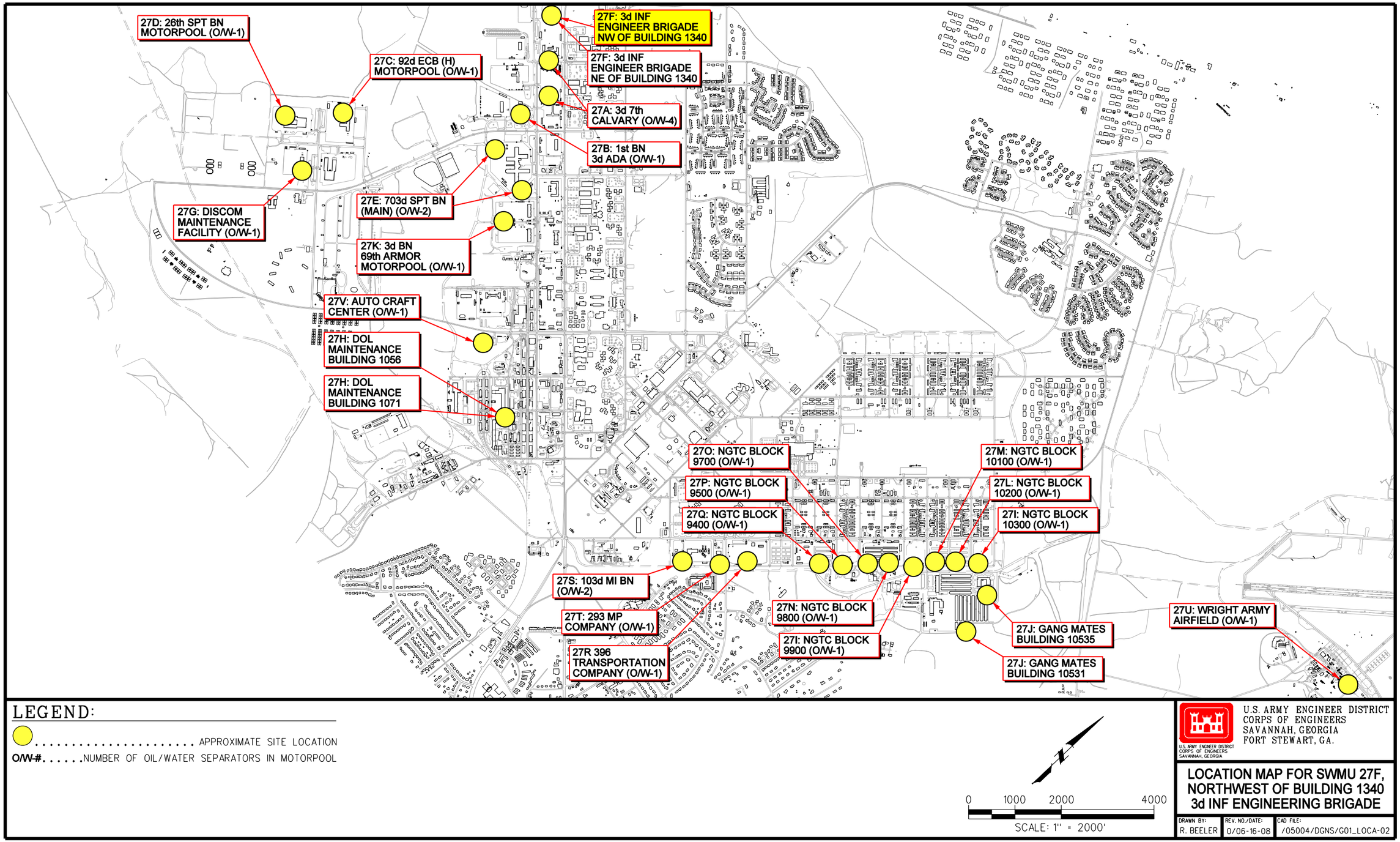

Figure 1. Location Map for SWMU 27F, Northwest of Building 1340

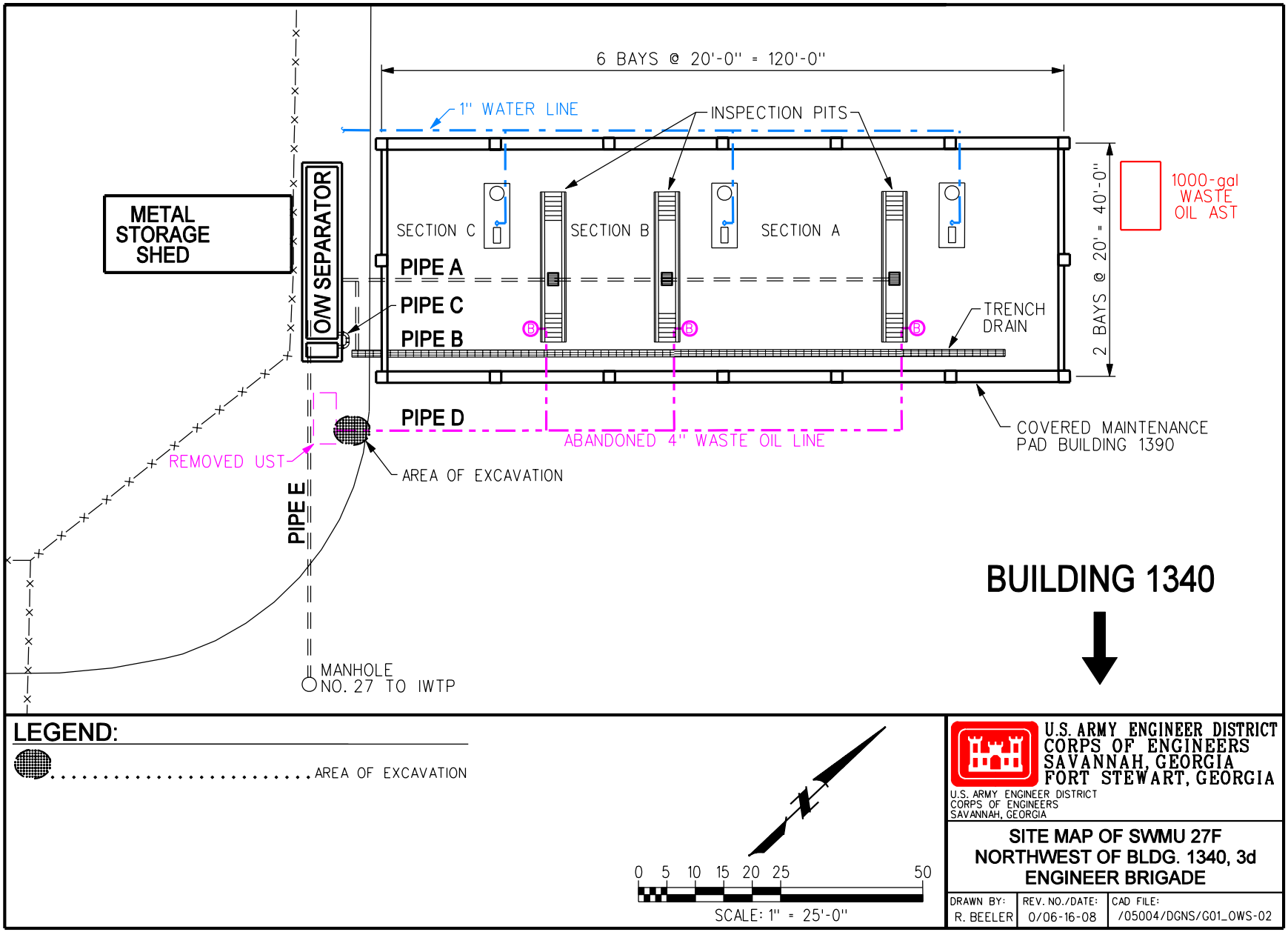

Figure 2. OWS and Piping Layout of Maintenance Pad at SWMU 27F, Northwest of Building 1340

OWS (Pipe E) is discharged to a 6-in.-diameter PVC pipe, which discharges to the Industrial Wastewater Treatment Plant by way of Manhole No. 27 (Figure 2).

The OWS was supposedly closed in 2001. The closure consisted of placing plywood over the metal grates covering the OWS. A site inspection of the facility in early CY 2007 indicated that the maintenance facility had been sporadically used since 2001. Vehicles have been observed at the facility and waste oil had accumulated in the OWS. In addition, the 3-in.-diameter pipe in the inspection pit closest to the OWS was found to be open. It is not known if the pipe was not plugged during the abandonment of the UST in 1996 or whether the plug had been removed. The 3-in.-diameter pipes in the other two inspection pits had grouted ends. Maintenance activities were identified as late as July 2007. It is believed that these operations may have been the source of further contamination if the integrity of the OWS and its piping had been compromised; therefore, an evaluation of the integrity of the OWS and piping was needed. Therefore, in May of 2007, an OWS and piping evaluation was performed that consisted of cleaning out the liquid and solid material in the OWS; cleaning the interior of the OWS; visually inspecting the OWS and piping; evaluating the integrity of the piping using a combination of visual inspection, smoke testing, low-pressure air testing, and static water testing; properly abandoning the pipe to the removed waste oil UST; and installing an aluminum, locked cover on top of the OWS to prevent its future use. In addition, the Fort Stewart Military Reservation (FSMR) Directorate of Public Works (DPW) has initiated engineering controls to prevent the use of the facility.

1.2 SUMMARY OF PHASES I AND II RESOURCE CONSERVATION AND RECOVERY ACT FACILITY INVESTIGATIONS

A Phase I Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) was conducted at SWMU 27F, northwest of Building 1340, in January 1998 [see the revised final Phase II RFI Report (SAIC 2000) for the results]. During the Phase I RFI, direct-push technology (DPT) techniques were used to collect four soil and groundwater samples at the site. These samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and lead. The Phase I RFI concluded that the vertical and horizontal extents of potential groundwater contamination had not been determined and recommended additional groundwater screening and the installation of shallow and possibly deep groundwater monitoring wells at the site (up- and downgradient).

A Phase II RFI was conducted in October 1999 consisting of initial screening using DPT techniques followed by the installation of 11 monitoring wells (8 shallow and 3 deep) at the site. One shallow and one deep monitoring well (MW1/MW2) were installed upgradient (background). In addition, a recovery well (MW12) was installed to recover potential free product identified on a clay lens encountered at approximately 8 ft below ground surface (BGS) (Figure 3).

The Phase II RFI concluded that benzo(*a*)pyrene was a human health constituent of concern (HHCOC) in surface soil. The extent of benzo(*a*)pyrene in surface soil was confined to a single location near the OWS. In addition, benzene and bis(2-ethylhexyl)phthalate were identified as HHCOCs in groundwater. The bis(2-etheylhexyl)phthalate concentration was believed to be the result of field or laboratory contamination.

To further define the extent of groundwater contamination, Fort Stewart recommended the installation of six new shallow monitoring wells (MW13 through MW18) downgradient of the source area and the re-sampling of the groundwater at all new and existing monitoring wells prior to the development of the Corrective Action Plan (CAP). The six new wells were installed in December 2000 (Figure 4). Thirteen shallow monitoring wells [six of which were installed in accordance with the recommendations of the final revised final Phase II RFI Report (SAIC 2000)] and four deep monitoring wells were low-flow sampled in January 2001 as part of the supplemental data collection (Figure 4). The groundwater samples

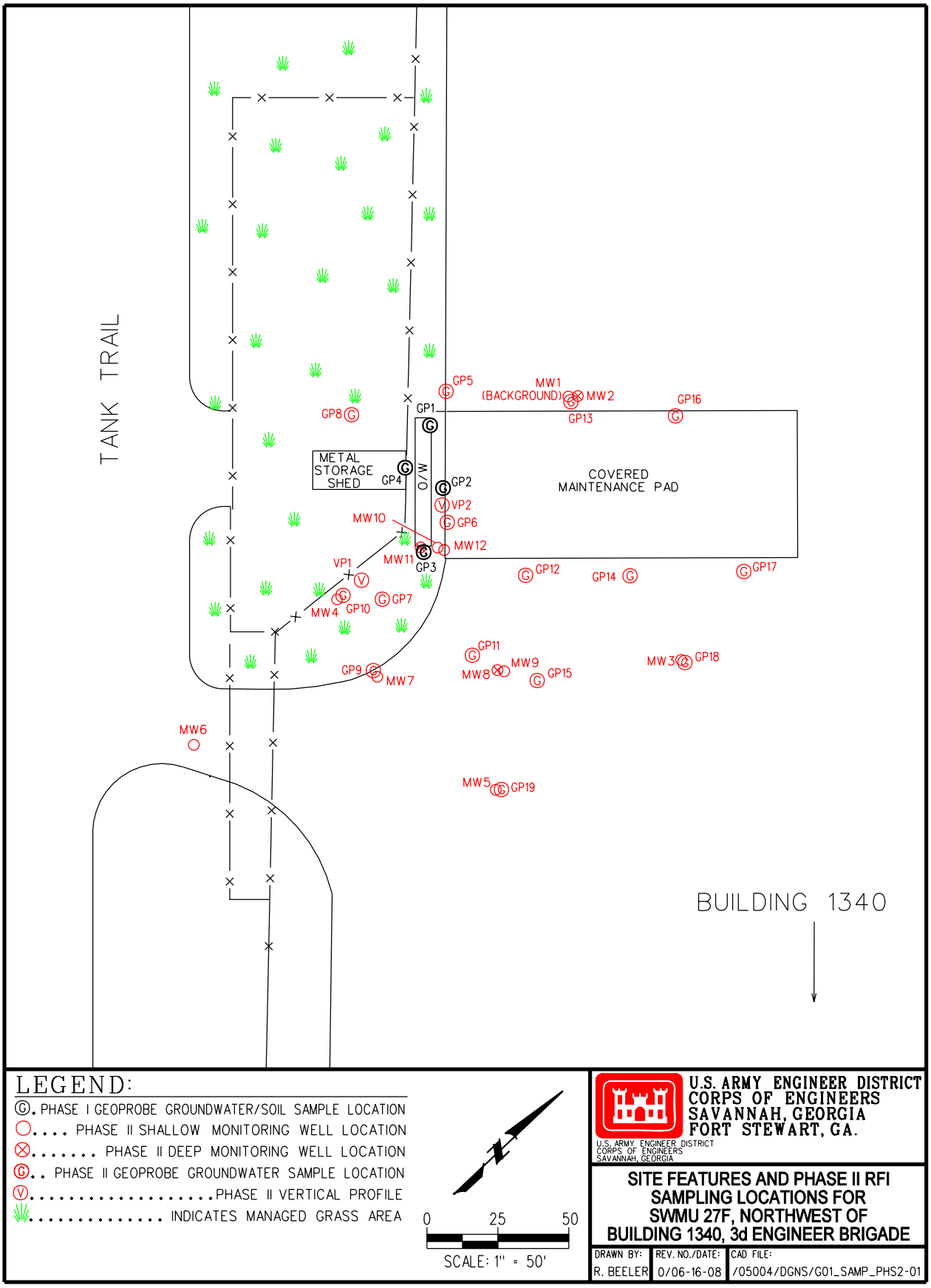

Figure 3. Site Features and Phase II RFI Sampling Locations at SWMU 27F, Northwest of Building 1340

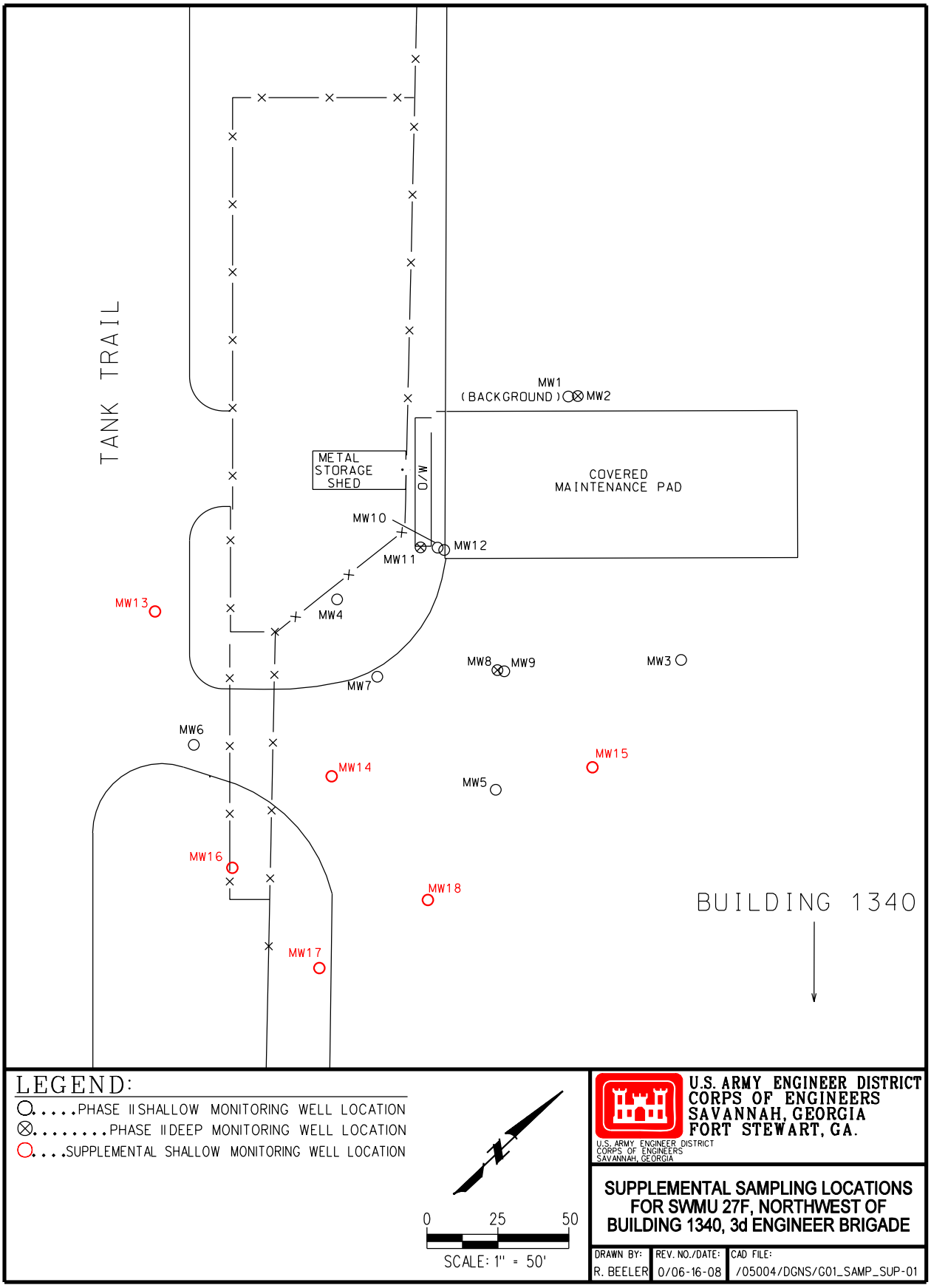

Figure 4. Supplemental Sampling Locations for SWMU 27F, Northwest of Building 1340

were analyzed for VOCs and SVOCs. In addition, MW12, the monitoring well installed above the clay layer that occurs at approximately 8 ft BGS, was checked for free product. Floating product was identified in MW12. Approximately 0.05 ft of a thick, black, viscous material was indicated in MW12 during the measurement of the water level in May 2001. The material was removed with an absorbent sock. The material did not readily recharge in MW12. The free product identified in MW12 is believed to be residual soil contamination from either overflows from the adjacent OWS and/or the removed waste oil UST. Small quantities of heavy petroleum products are trapped within the soil matrix and are slowly migrating to groundwater with time.

Five VOCs (2-butanone, 4-methyl-2-pentanone, benzene, ethylbenzene, and total xylenes) were detected in shallow groundwater at SWMU 27F and considered to be site-related constituents (SRCs). Benzene also exceeded its maximum contaminant level (MCL) of 5 μg/L.

Five SVOCs (2-methylnaphthalene, 4-methylphenol, carbazole, fluorene, and naphthalene) were detected in shallow groundwater at SWMU 27F. No VOCs or SVOCs were detected in the deep groundwater during the supplemental sampling at SWMU 27F.

The Phase II RFI concluded that benzene and carbazole were considered to be constituents of concern (COCs) in groundwater at SWMU 27F. The following constituents were considered to be COCs in surface soil: arsenic, benzo(*a*)anthracene, benzo(*a*)pyrene, benzo(*b*)fluoranthene, and dibenzo(*a*,*h*)anthracene. Remedial levels (RLs) were set for each COC. The RLs for soil and groundwater are presented in Tables 1 and 2, respectively. The maximum detected concentrations (MDCs) of arsenic, benzo(*a*)anthracene, benzo(*b*)fluoranthene, and dibenzo(*a*,*h*)anthracene in soil and carbazole in groundwater were below their respective RLs. Benzo(*a*)pyrene in surface soil and benzene in groundwater were identified as COCs at SWMU 27F requiring remediation. The Phase II RFI-estimated aerial extent of soil and groundwater contamination at SWMU 27F are presented in Figure 5.

1.3 CORRECTIVE ACTION PLAN FOR SOLID WASTE MANAGEMENT UNIT 27F

In accordance with the recommendations of the Phase II RFI, a CAP was developed for SWMU 27F to evaluate potential remedial alternatives to address HHCOCs in surface soil [benzo(*a*)pyrene] and groundwater (benzene) (SAIC 2004).

Corrective action technologies were identified for benzo(*a*)pyrene in surface soil and benzene in groundwater at SWMU 27F. The screened technologies for surface soil and groundwater were combined to form remedial alternatives to meet the remedial response objectives for soil and groundwater. The remedial response objectives for SWMU 27F were to reduce the present concentrations of the site COCs in soil [benzo(*a*)pyrene] and groundwater (benzene) to the RLs presented in the revised final Addendum to the Phase II RFI (SAIC 2001). In addition, MW12 would be monitored during the performance of the selected remedy to determine if the 0.05 ft of thick, black, viscous material represents an active source of potential contamination.

The three remedial alternatives are listed below:

- Alternative 1: monitored natural attenuation (MNA) for surface soil and groundwater,
- Alternative 2: MNA for surface soil and specialized bacteria addition for groundwater, and
- Alternative 3: excavation for surface soil and enhanced bioremediation with oxygen injection for groundwater.

Table 1. Remedial Levels for Surface Soil, SWMU 27F, Northwest of Building 1340

COC	Units	Maximum Detected Concentration	Risk-Based Remedial Levels ILCR 1×10^{-6}	Risk-Based Remedial Levels ILCR 1×10^{-5}	Surface Soil Background Concentration
Arsenic	mg/kg	4.40	1.01	**10.12**	2.1
Benzo(*a*)anthracene	mg/kg	3.94	0.89	**8.93**	0
Benzo(*a*)pyrene	mg/kg	2.43	0.09	**0.89**	0
Benzo(*b*)fluoranthene	mg/kg	2.88	0.89	**8.93**	0
Dibenzo(*a*,*h*)anthracene	mg/kg	0.54	0.09	**0.89**	0

COC = Constituent of concern.
ILCR = Incremental lifetime cancer risk.
SWMU = Solid waste management unit.
Bold indicates values are recommended remedial levels.

Table 2. Remedial Levels for Groundwater, SWMU 27F, Northwest of Building 1340

COC	Maximum Detected Concentration	Units	Risk-Based Remedial Levels ILCR 1×10^{-6}	Risk-Based Remedial Levels ILCR 1×10^{-5}	MCL	Quantification Limits
Benzene	61	µg/L	NA	NA	**5**	2
Carbazole	5.7	µg/L	3.5	**34.9**	ND	9.6

COC = Constituent of concern.
ILCR = Incremental lifetime cancer risk.
MCL = Maximum contaminant level.
NA = Not applicable; remedial level for groundwater defaults to the MCL.
ND = No data; this constituent does not have a MCL.
SWMU = Solid waste management unit.
Bold indicates values are recommended remedial levels.

The selected corrective action alternative for treatment of soil and groundwater was MNA. This alternative was selected for remediation because it would effectively achieve the RLs in a reasonable period of time and would do so cost-effectively. Modeling predicted that MNA would achieve the soil RL in approximately 2 years from October 1999. Modeling also predicted that MNA would achieve the groundwater RLs in less than 6 years from January 2001. An additional year was added as a contingency.

The conceptual design for MNA consisted of the following:

- Land use restrictions to prohibit the disturbance of surface and subsurface soil, use of groundwater, hunting, recreational activities, and construction within the property boundaries.

- MNA of surface soil located around MW10. Only two soil sampling events were expected to be required.

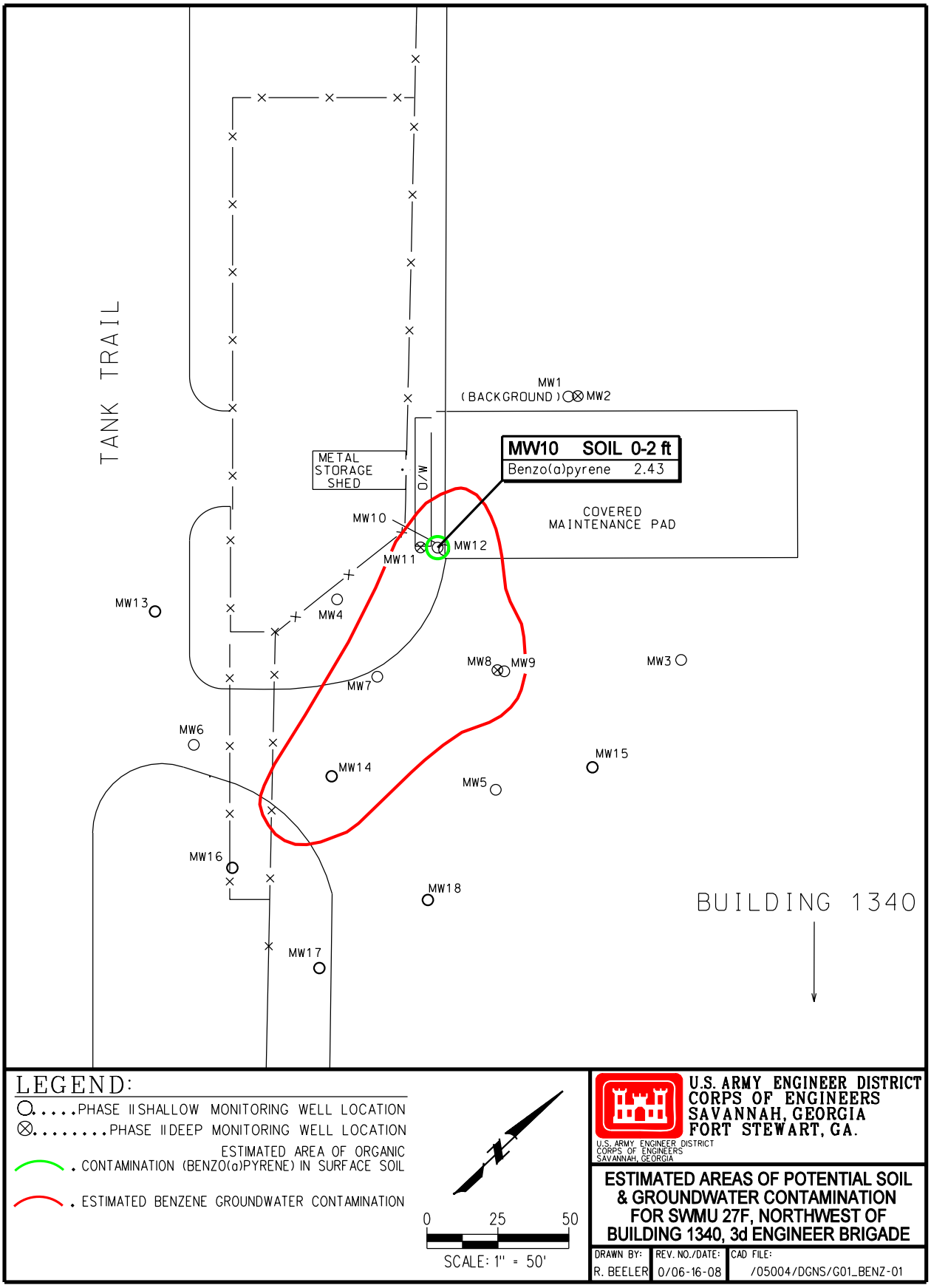

Figure 5. Estimated Areas of Potential Soil and Groundwater Contamination, SWMU 27F, Northwest of Building 1340

- MNA of groundwater. During the MNA period, 13 shallow surficial groundwater wells (MW1, MW3, MW4, MW5, MW6, MW7, MW9, MW10, MW14, MW15, MW16, MW17, and MW18) would be sampled biannually (every 2 years) to verify that benzene concentrations are declining, concentrations of other potential SRCs not detected to date do not present a risk to human health and are not increasing with time, and active biodegradation is occurring.

- With the Georgia Environmental Protection Division's (GA EPD's) concurrence, all groundwater monitoring wells would be abandoned when concentrations were below RLs and the remediation was determined to be complete.

The CAP and its selected alternative were issued to GA EPD on July 23, 2002, for its review. Comments were received from GA EPD in August of 2004. A revised final CAP was reissued in November 2004. The revised final CAP was approved by GA EPD in a letter dated February 14, 2005.

1.4 CALENDAR YEAR 2002 SAMPLING EVENT

The first annual sampling event was conducted by SAIC in September 2002 and consisted of the collection of 2 surface soil samples from the area surrounding MW10 and groundwater sampling from 13 shallow monitoring wells. The results of this sampling event were presented in the revised final *Corrective Action Plan Progress Report for Calendar Year 2002 for the Solid Waste Management Unit 27F: 3d Engineer Brigade, Northwest of Building 1340 at Fort Stewart, Georgia,* dated December 2005 (SAIC 2005b) and approved by GA EPD in a letter dated February 20, 2006.

During the sampling event, two surface soil samples were collected from around MW10 using a hand auger and analyzed for SVOCs. Four SVOCs [benzo(*a*)pyrene, fluoranthene, indeno(1,2,3-*cd*)pyrene, and pyrene] were detected in the surface soil sample SS02 at concentrations of 0.092, 0.0576, 0.0489, and 0.0677 mg/kg, respectively. No SVOCs were detected at the SS01 location. Benzo(*a*)pyrene, fluoranthene, indeno(1,2,3-*cd*)pyrene, and pyrene were considered SRCs in surface soil because they were detected above reference background criteria. The maximum concentrations of fluoranthene, indeno(1,2,3-*cd*)pyrene, and pyrene were below the maximum concentrations detected during the Phase II RFI; therefore, in accordance with the protocol and decision flowchart approved by GA EPD for evaluating SRCs identified in media collected after the establishment of RLs through either an RFI report and/or a CAP (see Appendix A), these constituents do not require further evaluation. The maximum concentration of benzo(*a*)pyrene was below its RL (0.89 mg/kg) established in the Addendum to the Phase II RFI Report (SAIC 2001). The RL for benzo(*a*)pyrene in surface soil has been met; therefore, no further investigation/corrective action is required. In addition, because benzo(*a*)pyrene was not detected above the RL during this initial soil sampling, this sampling event was recommended to represent the final/confirmatory soil sampling, as recommended by the CAP (SAIC 2004).

Groundwater samples were collected from the 13 shallow monitoring wells (MW1, MW3, MW4, MW5, MW6, MW7, MW9, MW10, MW14, MW15, MW16, MW17, and MW18) using a low-flow sampling technique and analyzed for VOCs, SVOCs, and natural attenuation parameters. Five VOCs [1,2-dichloroethene (DCE); benzene; ethylbenzene; toluene; and total xylenes] were estimated or detected in downgradient groundwater at SWMU 27F during the CY 2002 sampling. Of these, only benzene was a site COC in groundwater from the RFI. An RL of 5 μg/L was established in the Phase II RFI. Benzene concentrations continue to exceed the RL and will be remediated under the corrective action proposed in the CAP (SAIC 2004). Nine SVOCs, including three polynuclear aromatic hydrocarbons (acenaphthene, fluorene, and phenanthrene), a phthalate [bis(2-ethylhexyl)phthalate], carbazole, dibenzofuran, naphthalene, 2-methylnaphthalene, and 4-methylphenol were detected or estimated in groundwater during the CY 2002 sampling. Of these, only carbazole was considered a COC in groundwater. An RL of

34.9 µg/L was derived. The MDC of carbazole (4.4 µg/L) was below the approved RL of 34.9 µg/L; therefore, the corrective action for carbazole has been achieved. 2-Methylnaphthalene was not identified as a groundwater COC in the revised final Addendum to the Phase II RFI Report (SAIC 2001); however, the maximum detection of 33.4 µg/L was slightly higher than the CY 2001 maximum detection of 31.9 µg/L. In accordance with the protocol for evaluating constituents in groundwater after approval of the RFI report or CAP (Appendix A), a single elevated value requires confirmation of the result during the next groundwater monitoring sampling event before it can be established as a COC requiring the development of an RL; therefore, 2-methylnaphthalene will continue to be monitored under the corrective action proposed in the CAP (SAIC 2004). Naphthalene was not identified as a groundwater COC in the revised final Addendum to the Phase II RFI Report (SAIC 2001) or the CAP (SAIC 2004); however, the maximum detection of 45.9 µg/L was slightly higher than the CY 2001 maximum detection of 37.2 µg/L. According to the protocol for evaluating constituents in groundwater after approval of the RFI report (Appendix A), a single elevated value requires confirmation of the results during the next groundwater monitoring sampling event. Therefore, naphthalene will continue to be monitored under the corrective action proposed in the CAP (SAIC 2004).

1.5 CALENDAR YEAR 2004 SAMPLING EVENT

Groundwater samples were collected from the 13 shallow monitoring wells (MW1, MW3, MW4, MW5, MW6, MW7, MW9, MW10, MW14, MW15, MW16, MW17, and MW18) using a low-flow sampling technique and analyzed for VOCs, SVOCs, and natural attenuation parameters. The results of this CY 2004 sampling event were presented in the revised final *Corrective Action Plan Progress Report for Calendar Year 2004 for the Solid Waste Management Unit 27F: 3d Engineer Brigade, Northwest of Building 1340 at Fort Stewart, Georgia*, dated May 2006 (SAIC 2006) and approved by GA EPD in a letter dated July 10, 2006.

Constituents detected in groundwater during the CY 2004 groundwater sampling event included 5 VOCs and 12 SVOCs. The VOCs were 1,2-DCE; benzene; ethylbenzene; toluene; and total xylenes. The SVOCs were 1,2-dichlorobenzene; 2-methylnaphthalene; 4-methylphenol; acenaphthene; benzoic acid; bis(2-ethylhexyl)phthalate; carbazole; dibenzofuran; fluorene; naphthalene; phenanthrene; and pyrene. Benzene and carbazole have established RLs developed in the Phase II RFI Report of 5 and 34.9 µg/L, respectively. The concentration of benzene remains above its RL; therefore, corrective action is not complete for that constituent. The maximum concentration of carbazole (3.1J µg/L) was below its RL (34.9 µg/L) and the maximum concentration detected in the RFI (5.7 µg/L); therefore, corrective action for this constituent is considered complete. Of the remaining constituents, only three, 2-methylnaphthalene, naphthalene, and dibenzofuran, were detected above Region 3 risk-based concentrations (RBCs). Dibenzofuran (1.4 µg/L) was detected only slightly above its U. S. Environmental Protection Agency (EPA) Region 3 RBC (1.22 µg/L) during the CY 2004 sampling event and will be confirmed by the next groundwater sampling event. 2-Methylnaphthalene and naphthalene continue to be sporadically detected at monitoring wells at levels slightly higher than the maximum concentration detected during the RFI and above the Region 3 RBC for tap water. However, the concentrations were not high enough to exceed a hazard index (HI) of 0.1; therefore, 2-methylnaphthalene and naphthalene do not represent a risk to human health.

The data to date indicate that benzene tends to be decreasing or staying relatively constant at low concentrations in most of the monitoring wells. Wells MW9 and MW14 have the most predominant change in concentration. In MW14, benzene has decreased from a concentration of 79.1 µg/L in CY 2000 to 42.9 µg/L in CY 2004. However, in MW9, the benzene concentration has increased from 4.4 µg/L in CY 2002 to 16.4 µg/L in CY 2004.

2-Methylnaphthalene and naphthalene do not presently represent a risk to human health; however, their concentrations are indicating an increasing trend and migration. The location of the maximum concentration has changed. During the Phase II RFI, the maximum concentrations of 2-methylnaphthalene and naphthalene were detected at MW14. The detected concentration of 2-methylnaphthalene in MW14 in CY 2004 was lower than the detected concentration during the Phase I RFI and in CY 2002, thus indicating a decreasing trend at this location. MW4, a well located slightly side-gradient to the former OWS, has shown a slight increase in the concentration of 2-methylnaphthalene from the Phase II RFI. The concentration was 15.6 μg/L in 2001 and has increased to 33.4 and 33.3 μg/L in CYs 2002 and 2004, respectively. The maximum concentrations of 2-methylnaphthalene and naphthalene remain essentially the same; however, their plume has migrated more to the southwest of the site.

Free product was measured in MW4 and MW12 during the CY 2004 groundwater sampling event. The accumulation of free product is slow and was probably the result of residual contamination in the soil being flushed out.

The updated fate and transport (F&T) modeling indicated that benzene would not impact the nearest receptor location (man-made drainage ditch approximately 450 ft southwest of the site). In addition, the modeling determined that the concentrations of benzene would be reduced to below its RL by natural attenuation processes within approximately 8 years from January 2002, which is a slightly longer timeframe than that predicted in the CAP (i.e., 6.5 years from January 2001). This slight increase in natural attenuation time is primarily due to a decrease in the hydraulic gradient, thereby decreasing the dilution due to advection.

1.6 OIL/WATER SEPARATOR AND PIPE INTEGRITY TESTING MAY 2007

May 7 through 15, 2007, SAIC performed inspection, cleaning, and integrity testing of the OWS and piping associated with the maintenance pad (Building 1390) that is associated with SWMU 27F. A schematic of the OWS and piping is presented in Figure 2. The OWS and piping testing procedures and results were documented in the final *Completion Report for the Oil/Water Separator and Piping Evaluation for the Solid Waste Management Unit 27F: 3d Engineer Brigade, Northwest of Building 1340 at Fort Stewart, Georgia*, dated September 2007 (SAIC 2007a). The activities performed are summarized in the following bullets:

- Waste oil, water, and sludge were removed from the OWS and the interior of the OWS was pressure washed. The interior of the OWS was visually inspected. The appurtances within the OWS were inspected with a video camera.

- The end of the waste oil pipeline (Line D on Figure 2) at the removed UST was excavated to determine if it had been properly abandoned during the removal of the waste oil UST.

- Piping from the maintenance pad to the OWS (Line A on Figure 2) and from the OWS to Manhole No. 27 (Line E on Figure 2) was smoke tested, pressure jet cleaned, and video inspected.

- A static water test was performed on the OWS system (including Lines A, C, and E on Figure 2) by plugging the pipe at Manhole No. 27 and filling the OWS with water until water was above the floor drains in each inspection pit.

- The drainage trench (Line B on Figure 2) running along the south side of the maintenance pad was inspected and a static water test was performed.

- The waste oil line (Line D) from the inspection pits to the removed UST was properly abandoned by filling with grout.

The following general conclusions were determined from the OWS and pipe testing conducted in May 2007:

- The abandoned waste oil pipe was not properly abandoned and one opening remained available for potential dumping from the inspection pit (closest to OWS). The end that remained at the waste oil UST was grouted sufficiently to prevent leakage to subsurface at this point. However, potential breaks along the waste oil line from the first inspection pit to the waste oil end could have resulted in waste oil entering the subsurface environment if product continued to be dumped down the unplugged 3-in. pipe in the inspection pit. It should be noted that the portion of the 4-in. waste oil line that was excavated was plugged and in good shape and no soil staining from petroleum products was evident in the excavation. No significant oil was encountered in the pipe when the end of the pipe at the excavation end was cut off. Obviously, the pipe was rusty but the wall thickness of the steel pipe was still structurally sound to accept a compression fitting for grouting. This potential amount of waste oil would have been minimal because product poured into the pipe would have backed up into the maintenance trench.

- The waste oil line was grouted along its full length into where it exited into each maintenance trench. Approximately, a total of 50 gal of excess grout exited the three lines in the inspection pits.

- None of the pipelines passed the low air pressure [5 pounds per square inch (psi)] testing.

- The static water test of the OWS system did not indicate a measurable drop in water over an approximate 16-hr testing period.

- The grated drain trench running along the length of the south side of the maintenance pad has cracks and damage and did not test tight by the static water test. The PVC piping from this grated trench to the OWS has an approximate 4-in. hole at the first 90° elbow.

- Inspection of the interior of the OWS did not indicate any obvious leaks around any of the interior appurtances.

Since the OWS and pipe integrity testing of May 2007, the following activities have been performed and/or scheduled (work order in) to be performed by FSMR DPW at the maintenance pad:

- The trench drain has been grouted flush to the surface down its full length to the OWS to prevent any potential use of the trench drain.

- Metal (aluminum checker plate) covers were installed over the inspection pits to prevent easy excess to the inspection pits and eliminate any potential discharge into the floor drains.

1.7 CALENDAR YEAR 2007 SAMPLING EVENT

Subsurface soil samples were collected form 14 locations located around the perimeter of the maintenance pad and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and SVOCs in September 2005 to evaluate the potential nature and extent of subsurface soil contamination. In addition, groundwater samples were collected in April 2007 from the 14 shallow monitoring wells (MW1, MW3, MW4, MW5, MW6, MW7, MW9, MW10, MW13, MW14, MW15, MW16, MW17, and MW18) using a

low-flow sampling technique and analyzed for VOCs, SVOCs, and natural attenuation parameters. The results of this soil sampling and groundwater monitoring were presented in the final *Corrective Action Plan Progress Report for Calendar Year 2007 for the Solid Waste Management Unit 27F: 3d Engineer Brigade, Northwest of Building 1340 at Fort Stewart, Georgia,* dated October 2007 (SAIC 2007b).

The results of the soil sampling in September 2005 are presented in Figure 6. Petroleum contaminants were detected or estimated in subsurface soil along the southwest corner of the covered maintenance pad, which is near the location of the removed waste oil UST, abandoned OWS, and the abandoned piping that drained the inspection pits in the covered maintenance pad. Benzene was detected at one location slightly above (same order of magnitude) human health risk criteria [EPA Region 9 preliminary remediation goal (PRG)] at one location and at six locations above the EPA Region 9 soil screening level (SSL). The benzene concentrations above EPA Region 9 SSLs indicate that soil may be a source of the continuing groundwater contamination at SWMU 27F. The petroleum contamination in the soil and perched water above the clay-confining layer is inhibited from migrating to the surficial groundwater aquifer by the presence of a clay lens located at approximately 10 to 12 ft BGS. The soil contamination is contained in the soil column between 6 to 12 ft BGS.

Constituents detected in groundwater during the CY 2007 groundwater sampling event included seven VOCs and eight SVOCs. The VOCs were acetone; benzene; carbon disulfide, ethylbenzene; toluene; total xylenes; and *cis*-1,2-DCE. The SVOCs were 1,1-biphenyl; 2-methylnaphthalene; acenaphthene; bis(2-ethylhexyl)phthalate; carbazole; fluorene; naphthalene; and phenanthrene. Benzene and carbazole have established RLs developed in the Phase II RFI Report of 5 and 34.9 μg/L, respectively. The concentration of benzene remains above its RL. The maximum concentration of carbazole (5.05 μg/L) was below its RL (34.9 μg/L) and the maximum concentration detected in the RFI (5.7 μg/L); therefore, corrective action for this constituent is considered complete.

Of the remaining constituents, only three, bis(2-ethylhexyl)phthalate, 2-methylnaphthalene, and naphthalene, were detected above Region 9 PRGs. 2-Methylnaphthalene and naphthalene continue to be sporadically detected at monitoring wells at levels slightly higher than the Region 9 PRGs for tap water; however, the concentrations were below the maximum concentration detected during the RFI that were determined not to represent a risk to human health. Bis(2-ethylhexyl)phthalate was detected at a concentration above the previous maximum and slightly above the EPA Region 9 PRG for tap water. The concentration of bis(2-ethylhexyl)phthalate will be confirmed during the next groundwater sampling event. 2-Methylnaphthalene and naphthalene do not presently represent a risk to human health; however, their concentrations are indicating an increasing trend and migration based on the April 2007 data.

Dibenzofuran, which was detected (1.4 μg/L) slightly above its EPA Region 3 RBC [(1.22 μg/L), regulatory criteria approved by GA EPD to use at the time] during the CY 2004 sampling event, was not detected (i.e., confirmed) during the CY 2007 groundwater sampling event; therefore, dibenzofuran is not a new COC requiring the development of an RL.

The concentration of benzene tends to be decreasing or staying relatively constant at low concentrations in most of the monitoring wells. Wells MW9 and MW14 have the most predominant change in concentration. In MW14, benzene has decreased from a concentration of 79.1 μg/L in CY 2000 to 42.9 μg/L in CY 2004. However, in MW9, the benzene concentration has increased from 4.4 μg/L in CY 2002 to 16.4 μg/L in April 2007. Carbazole has never been detected above its RL.

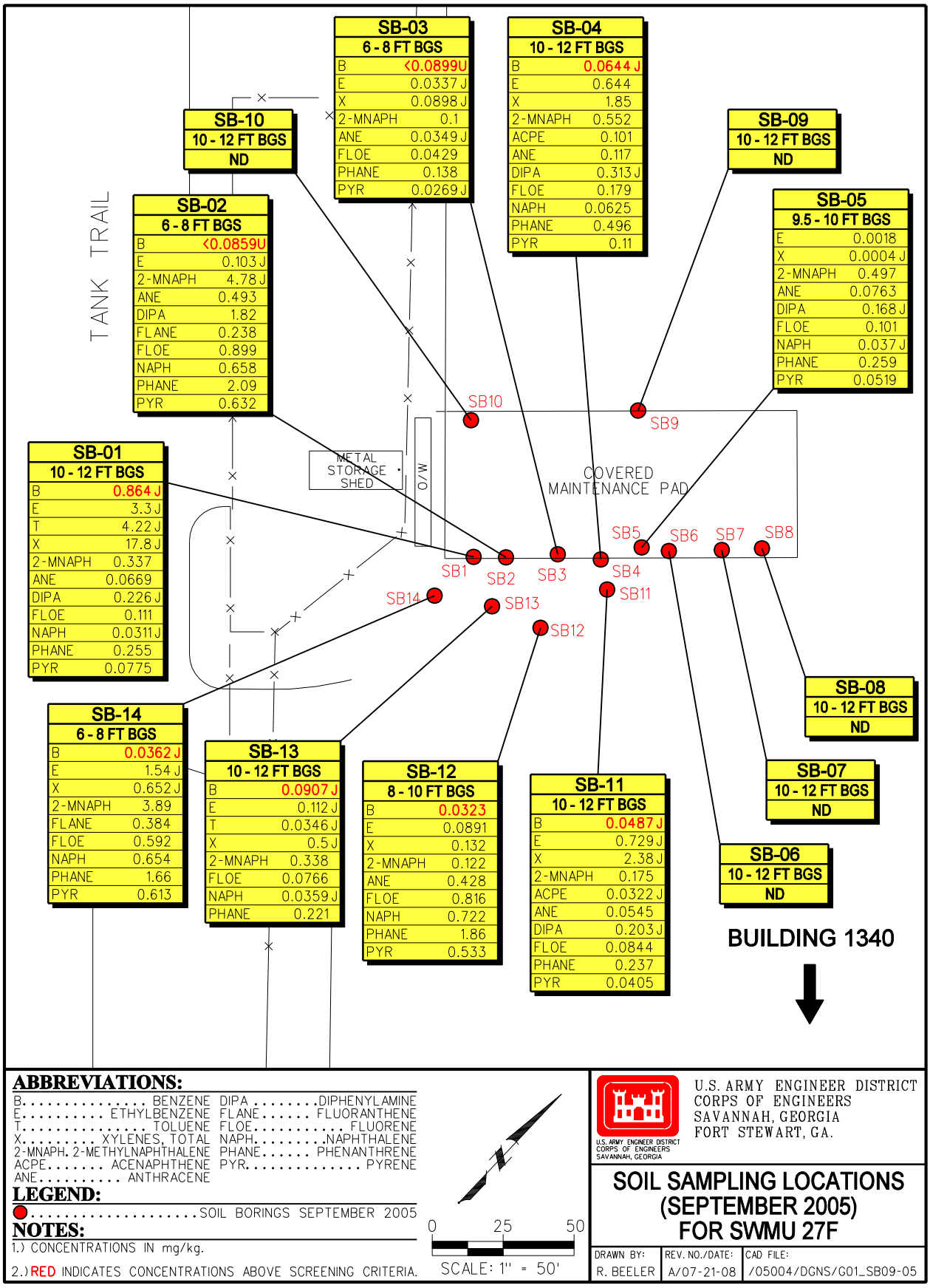

Figure 6. Analytes Detected in Subsurface Soil (September 2005) Collected From DPT Locations at SWMU 27F, Northwest of Building 1340

Free product was not present in MW4 and MW12 during the April 2007 groundwater sampling event. The lack of free product may be the result of the continual use of absorbent socks combined with the low rainfall conditions (i.e., drought) experienced across the south. The accumulation of free product is slow and is probably the result of residual contamination in the soil being flushed out.

1.8 REPORT ORGANIZATION

The report organization presented in this section provides an outline of the information required by the performance of soil and groundwater monitoring conducted since CY 2004. This report is organized as follows:

- Chapter 1.0: site background, operational history, and a summary of the Phase I and II RFIs; supplemental sampling for CYs 1998, 1999, and 2001; the CAP; performance soil and groundwater monitoring for CY 2002; groundwater monitoring for CY 2004; OWS testing and pipe integrity testing of May 2007, and performance soil and groundwater monitoring in CY 2007;

- Chapter 2.0: subsurface soil and groundwater (July 2007 and January 2008) and surface soil and groundwater (April/May 2008) sampling and evaluation;

- Chapter 3.0: update of the F&T model;

- Chapter 4.0: conclusions and recommendations; and

- Chapter 5.0: references.

Appendix A contains the protocol approved by GA EPD for establishing RLs after GA EPD has approved the RFI and CAP. Appendix B contains the boring logs for the soil samples collected in September 2005. Appendix C contains the chain-of-custody forms and the analytical results for the soil and groundwater samples from direct-push locations in July 2007 and January 2008, and surface soil and groundwater samples collected in April/May 2008 at SWMU 27F. Appendix D contains the results of

The chemical oxidation bench-scale tests. Appendix E contains the EPA Region 9 PRGs for soil and groundwater used during the development of this report (source: http://www.epa.gov/region09/waste/sfund/prg/index.html).

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2.0 SOIL AND GROUNDWATER FROM DIRECT-PUSH TECHNOLOGY (JULY 2007 AND JANUARY 2008) AND GROUNDWATER SAMPLING (APRIL/MAY 2007) AND EVALUATION

2.1 SOIL AND GROUNDWATER SAMPLING FROM DIRECT-PUSH TECHNOLOGY (JULY 2007 AND JANUARY 2008)

A total of nine soil borings (SB15 through SB23) and ten borings (SB26 through SB35) were installed in July 2007 and January 2008, respectively, at the SWMU 27F site. The soil borings were installed downgradient of previous soil borings to refine the extent of subsurface soil contamination. In addition, two soil borings (SB24 and SB25) were installed to collect bulk soil samples for performing chemical oxidation bench testing (Section 2.2). All of the borings were installed using a Geoprobe rig as described in the Sampling and Analysis Plan (SAIC 1997). Two soil samples and one groundwater sample were collected from each boring. The groundwater sample was collected after the completion of the boring at the top of the clay-confining layer. The locations of the soil borings are presented in Figure 7.

The soil and groundwater samples were sent to an off-site analytical laboratory (General Engineering Laboratory) for BTEX and SVOC analysis. Soil samples collected for BTEX analysis were collected using Encore® sampling devices. A summary of the soil and groundwater results from the DPT borings are presented in Tables 3 and 4, respectively, and discussed in the following sections. The complete analytical results and chain-of-custody forms are presented in Appendix C.

2.1.1 DPT Soil Results

BTEX. Low concentrations of BTEX were detected in the subsurface soil (Table 3). The distribution of the detected BTEX in subsurface soil is presented in Figure 7. All of the concentrations of the BTEX constituents were detected or estimated below their respective EPA Region 9 soil PRGs (Table 3). However, benzene was detected above its EPA Region 9 SSL, thus indicating that the concentration may result in benzene migrating to groundwater. Benzene was detected in 24 of 38 subsurface soil samples at concentrations ranging from 0.00035J mg/kg at SB28 (1.8 to 3.6 ft BGS) to 0.182 mg/kg at SB19 (5.7 to 7.4 ft BGS). Three of the 24 detected or estimated concentrations of benzene in subsurface soil were above the EPA Region 9 SSL (0.03 mg/kg). Benzene was identified as a potential contaminant migration constituent of potential concern (COPC).

SVOCs. Fourteen SVOCs (all polyaromatic hydrocarbons) were detected in subsurface soil (Table 3). The distribution of the detected SVOCs in subsurface soil is presented in Figure 7. Of the 14 SVOCs estimated or detected in subsurface soil, only 2-methylnapthalene was estimated or detected above its EPA Region 9 PRG (5.6 mg/kg). None of the concentrations of SVOCs were detected above EPA Region 9 SSLs. 2-Methylnaphthalene was detected in 22 of 38 subsurface soil samples at concentrations ranging from 0.00793J mg/kg at SB-23 (0.8 to 3.2 ft BGS) to 11.7 mg/kg at SB-28 (8.0 to 9.9 ft BGS). Four of the 22 detected or estimated subsurface soil samples were above the EPA Region 9 PRG.

2.1.2 DPT Groundwater Results

BTEX. Elevated concentrations of BTEX were detected in the groundwater collected from the DPT soil borings, which were terminated above the clay layer starting at approximately 10 to 12 ft BGS. The distribution of the detected BTEX in groundwater from the DPT locations is presented in Figure 8.

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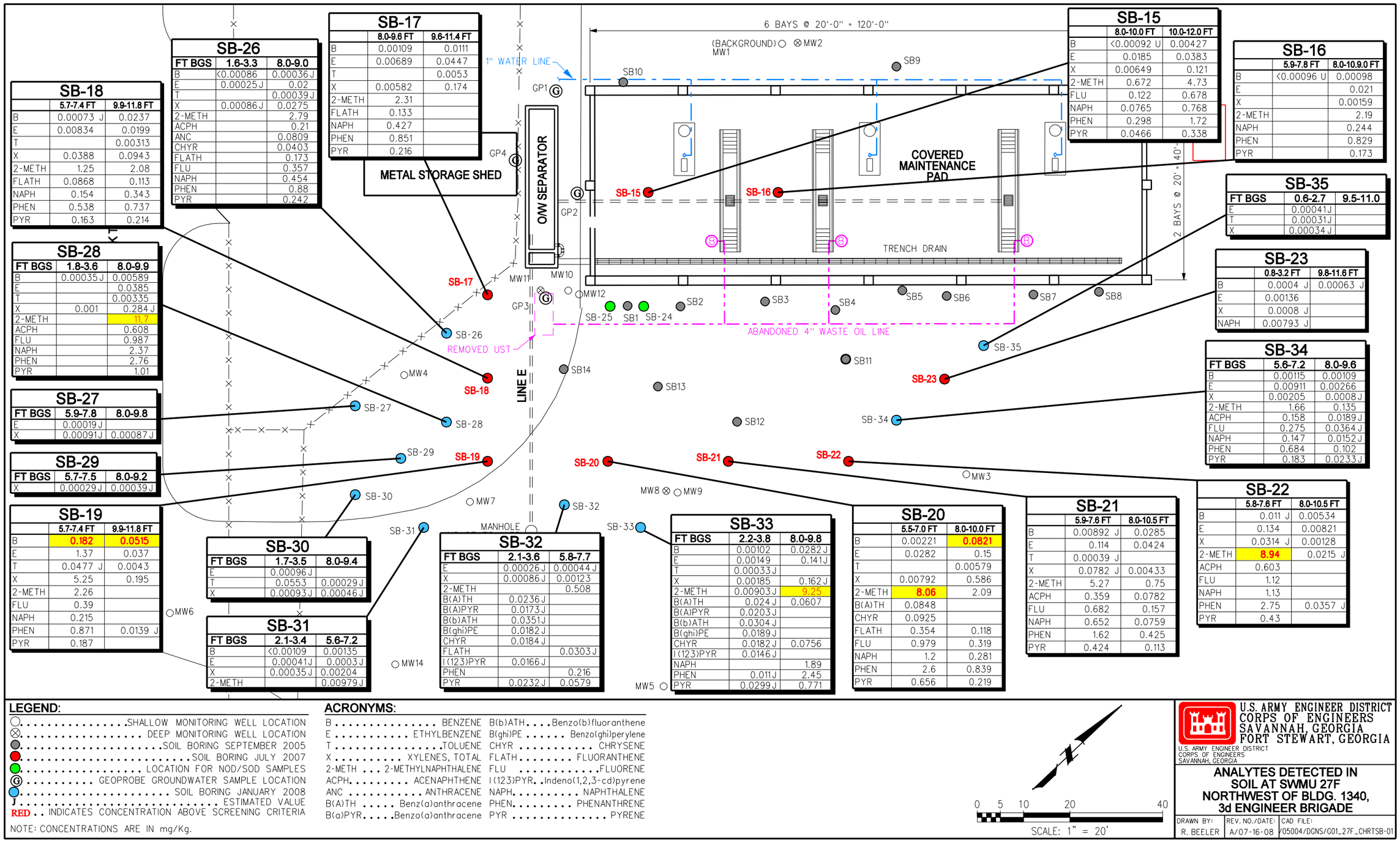

SB-18	5.7-7.4 FT	9.9-11.8 FT
B	0.00073 J	0.0237
E	0.00834	0.0199
T		0.00313
X	0.0388	0.0943
2-METH	1.25	2.08
FLATH	0.0868	0.113
NAPH	0.154	0.343
PHEN	0.538	0.737
PYR	0.163	0.214

SB-26	1.6-3.3	8.0-9.0
B	<0.00086	0.00036 J
E	0.00025 J	0.02
T		0.00039 J
X	0.00086 J	0.0275
2-METH		2.79
ACPH		0.21
ANC		0.0809
CHYR		0.0403
FLATH		0.173
FLU		0.357
NAPH		0.454
PHEN		0.88
PYR		0.242

SB-17	8.0-9.6 FT	9.6-11.4 FT
B	0.00109	0.0111
E	0.00689	0.0447
T		0.0053
X	0.00582	0.174
2-METH	2.31	
FLATH	0.133	
NAPH	0.427	
PHEN	0.851	
PYR	0.216	

SB-15	8.0-10.0 FT	10.0-12.0 FT
B	<0.00092 U	0.00427
E	0.0185	0.0383
X	0.00649	0.121
2-METH	0.672	4.73
FLU	0.122	0.678
NAPH	0.0765	0.768
PHEN	0.298	1.72
PYR	0.0466	0.338

SB-16	5.9-7.8 FT	8.0-10.9.0 FT
B	<0.00096 U	0.00098
E		0.021
X		0.00159
2-METH		2.19
NAPH		0.244
PHEN		0.829
PYR		0.173

SB-35	0.6-2.7	9.5-11.0
E	0.00041J	
T	0.00031J	
X	0.00034 J	

SB-23	0.8-3.2 FT	9.8-11.6 FT
B	0.0004 J	0.00063 J
E	0.00136	
X	0.0008 J	
NAPH	0.00793 J	

SB-34	5.6-7.2	8.0-9.6
B	0.00115	0.00109
E	0.00911	0.00266
X	0.00205	0.0008 J
2-METH	1.66	0.135
ACPH	0.158	0.0189 J
FLU	0.275	0.0364 J
NAPH	0.147	0.0152 J
PHEN	0.684	0.102
PYR	0.183	0.0233 J

SB-22	5.8-7.6 FT	8.0-10.5 FT
B	0.011 J	0.00534
E	0.134	0.00821
X	0.0314 J	0.00128
2-METH	8.94	0.0215 J
ACPH	0.603	
FLU	1.12	
NAPH	1.13	
PHEN	2.75	0.0357 J
PYR	0.43	

SB-21	5.9-7.6 FT	8.0-10.5 FT
B	0.00892 J	0.0285
E	0.114	0.0424
T	0.00039 J	
X	0.0782 J	0.00433
2-METH	5.27	0.75
ACPH	0.359	0.0782
FLU	0.682	0.157
NAPH	0.652	0.0759
PHEN	1.62	0.425
PYR	0.424	0.113

SB-20	5.5-7.0 FT	8.0-10.0 FT
B	0.00221	0.0821
E	0.0282	0.15
T		0.00579
X	0.00792	0.586
2-METH	8.06	2.09
B(A)TH	0.0848	
CHYR	0.0925	
FLATH	0.354	0.118
FLU	0.979	0.319
NAPH	1.2	0.281
PHEN	2.6	0.839
PYR	0.656	0.219

SB-33	2.2-3.8	8.0-9.8
B	0.00102	0.0282 J
E	0.00149	0.141 J
T	0.00033 J	
X	0.00185	0.162 J
2-METH	0.00903 J	9.25
B(A)TH	0.024 J	0.0607
B(A)PYR	0.0203 J	
B(b)ATH	0.0304 J	
B(ghi)PE	0.0189 J	
CHYR	0.0182 J	0.0756
I(123)PYR	0.0146 J	
NAPH		1.89
PHEN	0.011 J	2.45
PYR	0.0299 J	0.771

SB-32	2.1-3.6	5.8-7.7
E	0.00026 J	0.00044 J
X	0.00086 J	0.00123
2-METH		0.508
B(A)TH	0.0236 J	
B(A)PYR	0.0173 J	
B(b)ATH	0.0351 J	
B(ghi)PE	0.0182 J	
CHYR	0.0184 J	
FLATH		0.0303 J
I(123)PYR	0.0166 J	
PHEN		0.216
PYR	0.0232 J	0.0579

SB-31	2.1-3.4	5.6-7.2
B	<0.00109	0.00135
E	0.00041J	0.0003 J
X	0.00035 J	0.00204
2-METH		0.00979 J

SB-30	1.7-3.5	8.0-9.4
E	0.00096 J	
T	0.0553	0.00029 J
X	0.00093 J	0.00046 J

SB-19	5.7-7.4 FT	9.9-11.8 FT
B	0.182	0.0515
E	1.37	0.037
T	0.0477 J	0.0043
X	5.25	0.195
2-METH	2.26	
FLU	0.39	
NAPH	0.215	
PHEN	0.871	0.0139 J
PYR	0.187	

SB-27	5.9-7.8	8.0-9.8
E	0.00019 J	
X	0.00091 J	0.00087 J

SB-28	1.8-3.6	8.0-9.9
B	0.00035 J	0.00589
E		0.0385
T		0.00335
X	0.001	0.284 J
2-METH		11.7
ACPH		0.608
FLU		0.987
NAPH		2.37
PHEN		2.76
PYR		1.01

SB-29	5.7-7.5	8.0-9.2
X	0.00029 J	0.00039 J

Figure 7. Analytes Detected in Subsurface Soil (July 2007 and January 2008) Collected from DPT Locations at SWMU 27F, Northwest of Building 1340

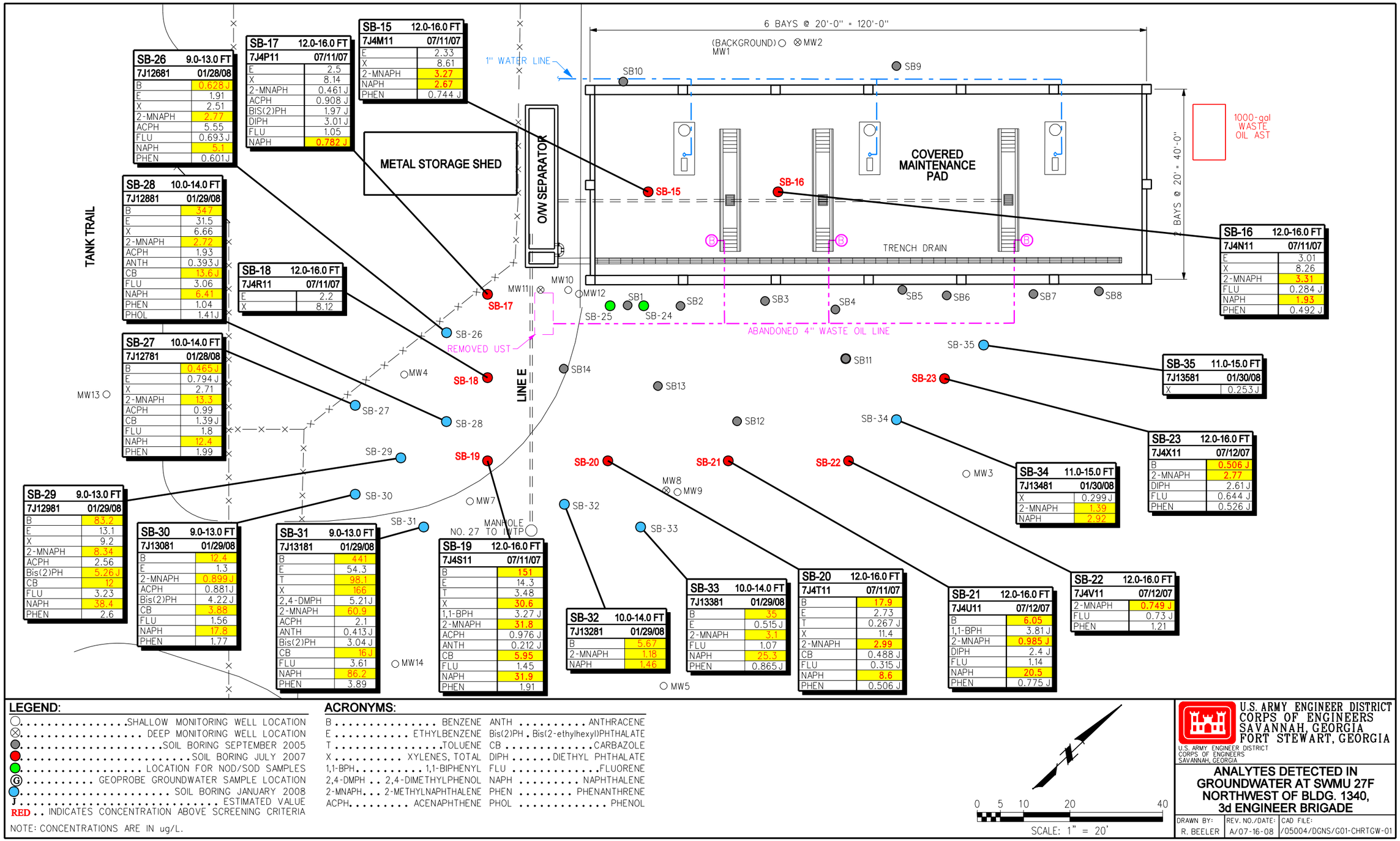

Figure 8. Analytes Detected in Groundwater (July 2007 and January 2008) Collected From DPT Locations, at SWMU 27F Northwest of Building 1340

Table 3. Summary of Analytes Detected in Subsurface Soil from DPT Locations (July 2007 and January 2008), SWMU 27F, Northwest of Building 1340

Station	EPA Region 9 Res. Soil PRG (HQ = 0.1, 10E-6)	EPA Region 9 SSL DAF=20	SB-15	SB-15	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18
Sample ID			**7J1M81**	**7J1M82**	**7J1N81**	**7J1N82**	**7J1P81**	**7J1P82**	**7J1R81**	**7J1R82**
Date			**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**
Depth (ft BGS)			**8.0 – 10.0**	**10.0 – 12.0**	**5.9 – 7.8**	**8.0 – 10.9**	**8.0 – 9.6**	**9.6 – 11.4**	**5.7 – 7.4**	**9.9 – 11.8**
Volatile Organic Compounds (mg/kg)										
Benzene	0.64 ca	0.03	<0.00092 U	0.00427 =	<0.00096 U	0.00098 =	0.00109 =	0.0111 =	0.00073 J	0.0237 =
Ethylbenzene	190 nc	13	0.0185 =	0.0383 =	<0.00096 U	0.021 =	0.00689 =	0.0447 =	0.00834 =	0.0199 =
Toluene	66 nc	12	<0.00092 U	<0.00097 U	<0.00096 U	<0.00088 U	<0.00106 U	0.00533 =	<0.00092 U	0.00313 =
Xylenes, Total	27 nc	210	0.00649 =	0.121 =	<0.00096 U	0.00159 =	0.00582 =	0.174 =	0.0388 =	0.0943 =
Semivolatile Organic Compounds (mg/kg)										
2-Methylnaphthalene [a]	5.6 nc	84	0.672 =	4.73 =	<0.0377 U	2.19 =	2.31 =	<0.0394 U	1.25 =	2.08 =
Acenaphthene	370 nc	570	<0.038 U	<0.0399 U	<0.0377 U	<0.0376 U	<0.0397 U	<0.0394 U	<0.0392 U	<0.0385 U
Anthracene	2,200 nc	12,000	<0.038 U	<0.0399 U	<0.0377 U	<0.0376 U	<0.0397 U	<0.0394 U	<0.0392 U	<0.0385 U
Benz(*a*)anthracene	0.62 ca	2	<0.038 U	<0.0399 U	<0.0377 U	<0.0376 U	<0.0397 U	<0.0394 U	<0.0392 U	<0.0385 U
Benzo(*a*)pyrene	0.062 ca	8	<0.038 U	<0.0399 U	<0.0377 U	<0.0376 U	<0.0397 U	<0.0394 U	<0.0392 U	<0.0385 U
Benzo(*b*)fluoranthene	0.62 ca	5	<0.038 U	<0.0399 U	<0.0377 U	<0.0376 U	<0.0397 U	<0.0394 U	<0.0392 U	<0.0385 U
Benzo(*ghi*)perylene [b]	6.2 ca	8	<0.038 U	<0.0399 U	<0.0377 U	<0.0376 U	<0.0397 U	<0.0394 U	<0.0392 U	<0.0385 U
Chrysene	62 ca	160	<0.038 U	<0.0399 U	<0.0377 U	<0.0376 U	<0.0397 U	<0.0394 U	<0.0392 U	<0.0385 U
Fluoranthene	230 nc	4,300	<0.038 U	<0.0399 U	<0.0377 U	<0.0376 U	0.133 =	<0.0394 U	0.0868 =	0.113 =
Fluorene	270 nc	560	0.122 =	0.678 =	<0.0377 U	<0.0376 U	<0.0397 U	<0.0394 U	<0.0392 U	<0.0385 U
Indeno(*1,2,3-cd*)pyrene	0.62 ca	14	<0.038 U	<0.0399 U	<0.0377 U	<0.0376 U	<0.0397 U	<0.0394 U	<0.0392 U	<0.0385 U
Naphthalene	5.6 nc	84	0.0765 =	0.768 =	<0.0377 U	0.244 =	0.427 =	<0.0394 U	0.154 =	0.343 =
Phenanthrene [c]	230 nc	4,200	0.298 =	1.72 =	<0.0377 U	0.829 =	0.851 =	<0.0394 U	0.538 =	0.737 =
Pyrene	230 nc	4,200	0.0466 =	0.338 =	<0.0377 U	0.173 =	0.216 =	<0.0394 U	0.163 =	0.214 =

Table 3. Summary of Analytes Detected in Subsurface Soil from DPT Locations (July 2007 and January 2008), SWMU 27F, Northwest of Building 1340 (continued)

Station	EPA Region 9 Res. Soil PRG (HQ = 0.1, 10E-6)	EPA Region 9 SSL DAF=20	SB-19	SB-19	SB-20	SB-20	SB-21	SB-21	SB-22	SB-22
Sample ID			**7J1S81**	**7J1S82**	**7J1T81**	**7J1T82**	**7J1U81**	**7J1U82**	**7J1V81**	**7J1V82**
Date			**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/12/07**	**07/12/07**	**07/12/07**	**07/12/07**
Depth (ft BGS)			**5.7 – 7.4**	**9.9 – 11.8**	**5.5 – 7.0**	**8.0 – 10.0**	**5.9 – 7.6**	**8.0 – 10.5**	**5.8 – 7.6**	**8.0 – 10.5**
Volatile Organic Compounds (mg/kg)										
Benzene	0.64 ca	0.03	**0.182 =**	**0.0515 =**	0.00221 =	**0.0821 =**	0.00892 J	0.0285 =	0.011 J	0.00534 =
Ethylbenzene	190 nc	13	1.37 =	0.037 =	0.0282 =	0.15 =	0.114 =	0.0424 =	0.134 =	0.00821 =
Toluene	66 nc	12	0.0477 J	0.0043 =	<0.00093 U	0.00579 =	0.00039 J	<0.00116 U	<0.00094 U	<0.00121 U
Xylenes, Total	27 nc	210	5.25 =	0.195 =	0.00792 =	0.586 =	0.0782 J	0.00433 =	0.0314 J	0.00128 =
Semivolatile Organic Compounds (mg/kg)										
2-Methylnaphthalene [a]	5.6 nc	84	2.26 =	<0.0398 U	**8.06 =**	2.09 =	5.27 =	0.75 =	**8.94 =**	0.0215 J
Acenaphthene	370 nc	570	<0.0353 U	<0.0398 U	<0.0388 U	<0.0392 U	0.359 =	0.0782 =	0.603 =	<0.0426 U
Anthracene	2,200 nc	12,000	<0.0353 U	<0.0398 U	<0.0388 U	<0.0392 U	<0.0768 U	<0.0442 U	<0.155 U	<0.0426 U
Benz(*a*)anthracene	0.62 ca	2	<0.0353 U	<0.0398 U	0.0848 =	<0.0392 U	<0.0768 U	<0.0442 U	<0.155 U	<0.0426 U
Benzo(*a*)pyrene	0.062 ca	8	<0.0353 U	<0.0398 U	<0.0388 U	<0.0392 U	<0.0768 U	<0.0442 U	<0.155 U	<0.0426 U
Benzo(*b*)fluoranthene	0.62 ca	5	<0.0353 U	<0.0398 U	<0.0388 U	<0.0392 U	<0.0768 U	<0.0442 U	<0.155 U	<0.0426 U
Benzo(*ghi*)perylene [b]	6.2 ca	8	<0.0353 U	<0.0398 U	<0.0388 U	<0.0392 U	<0.0768 U	<0.0442 U	<0.155 U	<0.0426 U
Chrysene	62 ca	160	<0.0353 U	<0.0398 U	0.0925 =	<0.0392 U	<0.0768 U	<0.0442 U	<0.155 U	<0.0426 U
Fluoranthene	230 nc	4,300	<0.0353 U	<0.0398 U	0.354 =	0.118 =	<0.0768 U	<0.0442 U	<0.155 U	<0.0426 U
Fluorene	270 nc	560	0.39 =	<0.0398 U	0.979 =	0.319 =	0.682 =	0.157 =	1.12 =	<0.0426 U
Indeno(*1,2,3-cd*)pyrene	0.62 ca	14	<0.0353 U	<0.0398 U	<0.0388 U	<0.0392 U	<0.0768 U	<0.0442 U	<0.155 U	<0.0426 U
Naphthalene	5.6 nc	84	0.215 =	<0.0398 U	1.2 =	0.281 =	0.652 =	0.0759 =	1.13 =	<0.0426 U
Phenanthrene [c]	230 nc	4,200	0.871 =	0.0139 J	2.6 =	0.839 =	1.62 =	0.425 =	2.75 =	0.0357 J
Pyrene	230 nc	4,200	0.187 =	<0.0398 U	0.656 =	0.219 =	0.424 =	0.113 =	0.43 =	<0.0426 U

Table 3. Summary of Analytes Detected in Subsurface Soil from DPT Locations (July 2007 and January 2008), SWMU 27F, Northwest of Building 1340 (continued)

Station	EPA Region 9 Res. Soil PRG (HQ = 0.1, 10E-6)	EPA Region 9 SSL DAF=20	SB-23	SB-23	SB-26	SB-26	SB-27	SB-27	SB-28	SB-28
Sample ID			**7J1X81**	**7J1X82**	**7J12681**	**7J12682**	**7J12781**	**7J12782**	**7J12881**	**7J12882**
Date			**07/12/07**	**07/12/07**	**01/28/08**	**01/28/08**	**01/28/08**	**01/28/08**	**01/29/08**	**01/29/08**
Depth (ft BGS)			**0.8 –- 3.2**	**9.8 – 11.6**	**1.6 – 3.3**	**8.0 – 9.0**	**5.9 – 7.8**	**8.0 – 9.8**	**1.8 – 3.6**	**8.0 – 9.9**
Volatile Organic Compounds (mg/kg)										
Benzene	0.64 ca	0.03	0.0004 J	0.00063 J	<0.00086 U	0.00036 J	<0.00092 U	<0.00091 U	0.00035 J	0.00589 =
Ethylbenzene	190 nc	13	0.00136 =	<0.001 U	0.00025 J	0.02 =	0.00019 J	<0.00091 U	<0.00094 U	0.0385 =
Toluene	66 nc	12	<0.001 U	<0.001 U	<0.00086 U	0.00039 J	<0.00092 U	<0.00091 U	<0.00094 U	0.00335 =
Xylenes, Total	27 nc	210	0.0008 J	<0.001 U	0.00086 J	0.0275 =	0.00091 J	0.00087 J	0.001 =	0.284 J
Semivolatile Organic Compounds (mg/kg)										
2-Methylnaphthalene [a]	5.6 nc	84	0.00793 J	<0.0365 U	<0.0366 U	2.79 =	<0.0385 U	<0.0388 U	<0.0384 U	**11.7 =**
Acenaphthene	370 nc	570	<0.0346 U	<0.0365 U	<0.0366 U	0.21 =	<0.0385 U	<0.0388 U	<0.0384 U	0.608 =
Anthracene	2,200 nc	12,000	<0.0346 U	<0.0365 U	<0.0366 UJ	0.0809 =	<0.0385 U	<0.0388 U	<0.0384 U	<0.0371 U
Benz(*a*)anthracene	0.62 ca	2	<0.0346 U	<0.0365 U	<0.0366 U	<0.0394 U	<0.0385 U	<0.0388 U	<0.0384 U	<0.0371 U
Benzo(*a*)pyrene	0.062 ca	8	<0.0346 U	<0.0365 U	<0.0366 U	<0.0394 U	<0.0385 U	<0.0388 U	<0.0384 U	<0.0371 U
Benzo(*b*)fluoranthene	0.62 ca	5	<0.0346 U	<0.0365 U	<0.0366 U	<0.0394 U	<0.0385 U	<0.0388 U	<0.0384 U	<0.0371 U
Benzo(*ghi*)perylene [b]	6.2 ca	8	<0.0346 U	<0.0365 U	<0.0366 U	<0.0394 U	<0.0385 U	<0.0388 U	<0.0384 U	<0.0371 U
Chrysene	62 ca	160	<0.0346 U	<0.0365 U	<0.0366 U	0.0403 =	<0.0385 U	<0.0388 U	<0.0384 U	<0.0371 U
Fluoranthene	230 nc	4,300	<0.0346 U	<0.0365 U	<0.0366 UJ	0.173 =	<0.0385 U	<0.0388 U	<0.0384 U	<0.0371 U
Fluorene	270 nc	560	<0.0346 U	<0.0365 U	<0.0366 U	0.357 =	<0.0385 U	<0.0388 U	<0.0384 U	0.987 =
Indeno(*1,2,3-cd*)pyrene	0.62 ca	14	<0.0346 U	<0.0365 U	<0.0366 U	<0.0394 U	<0.0385 U	<0.0388 U	<0.0384 U	<0.0371 U
Naphthalene	5.6 nc	84	<0.0346 U	<0.0365 U	<0.0366 U	0.454 =	<0.0385 U	<0.0388 U	<0.0384 U	2.37 =
Phenanthrene [c]	230 nc	4,200	<0.0346 U	<0.0365 U	<0.0366 UJ	0.88 =	<0.0385 U	<0.0388 U	<0.0384 U	2.76 =
Pyrene	230 nc	4,200	<0.0346 U	<0.0365 U	<0.0366 U	0.242 =	<0.0385 U	<0.0388 U	<0.0384 U	1.01 =

Table 3. Summary of Analytes Detected in Subsurface Soil from DPT Locations (July 2007 and January 2008), SWMU 27F, Northwest of Building 1340 (continued)

Station	EPA Region 9 Res. Soil PRG (HQ = 0.1, 10E-6)	EPA Region 9 SSL DAF=20	SB-29	SB-29	SB-30	SB-30	SB-31	SB-31	SB-32	SB-32
Sample ID			**7J12981**	**7J12982**	**7J13081**	**7J13082**	**7J13181**	**7J13182**	**7J13281**	**7J13282**
Date			**01/29/08**	**01/29/08**	**01/29/08**	**01/29/08**	**01/29/08**	**01/29/08**	**01/29/08**	**01/29/08**
Depth (ft BGS)			**5.7 –- 7.5**	**8.0 – 9.2**	**1.7 – 3.5**	**8.0 – 9.4**	**2.1 – 3.4**	**5.6 – 7.2**	**2.1 – 3.6**	**5.8 – 7.7**
Volatile Organic Compounds (mg/kg)										
Benzene	0.64 ca	0.03	<0.0009 U	<0.00099 U	<0.00122 U	<0.00097 U	<0.00109 U	0.00135 =	<0.00094 U	<0.00097 U
Ethylbenzene	190 nc	13	<0.0009 U	<0.00099 U	0.00096 J	<0.00097 U	0.00041 J	0.0003 J	0.00026 J	0.00044 J
Toluene	66 nc	12	<0.0009 U	<0.00099 U	0.0553 =	0.00029 J	<0.00109 U	<0.00099 U	<0.00094 U	<0.00097 U
Xylenes, Total	27 nc	210	0.00029 J	0.00039 J	0.00093 J	0.00046 J	0.00035 J	0.00204 =	0.00086 J	0.00123 =
Semivolatile Organic Compounds (mg/kg)										
2-Methylnaphthalene [a]	5.6 nc	84	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	0.00979 J	<0.0354 U	0.508 =
Acenaphthene	370 nc	570	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	<0.0354 U	<0.0382 U
Anthracene	2,200 nc	12,000	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	<0.0354 U	<0.0382 U
Benz(*a*)anthracene	0.62 ca	2	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	0.0236 J	<0.0382 U
Benzo(*a*)pyrene	0.062 ca	8	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	0.0173 J	<0.0382 U
Benzo(*b*)fluoranthene	0.62 ca	5	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	0.0351 J	<0.0382 U
Benzo(*ghi*)perylene [b]	6.2 ca	8	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	0.0182 J	<0.0382 U
Chrysene	62 ca	160	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	0.0184 J	<0.0382 U
Fluoranthene	230 nc	4,300	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	<0.0354 U	0.0303 J
Fluorene	270 nc	560	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	<0.0354 U	<0.0382 U
Indeno(*1,2,3-cd*)pyrene	0.62 ca	14	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	0.0166 J	<0.0382 U
Naphthalene	5.6 nc	84	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	<0.0354 U	<0.0382 U
Phenanthrene [c]	230 nc	4,200	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	<0.0354 U	0.216 =
Pyrene	230 nc	4,200	<0.0369 U	<0.0387 U	<0.0348 U	<0.0386 U	<0.0345 U	<0.0403 U	0.0232 J	0.0579 =

Table 3. Summary of Analytes Detected in Subsurface Soil from DPT Locations (July 2007 and January 2008), SWMU 27F, Northwest of Building 1340 (continued)

Station	EPA Region 9 Res. Soil PRG (HQ = 0.1, 10E-6)	EPA Region 9 SSL DAF=20	SB-33	SB-33	SB-34	SB-34	SB-35	SB-35
Sample ID			**7J13381**	**7J13382**	**7J13481**	**7J13482**	**7J13581**	**7J13582**
Date			**01/29/08**	**01/29/08**	**01/30/08**	**01/30/08**	**01/30/08**	**01/30/08**
Depth (ft BGS)			**2.2 –- 3.8**	**8.0 – 9.8**	**5.6 – 7.2**	**8.0 – 9.6**	**0.6 – 2.7**	**9.5 – 11.0**
Volatile Organic Compounds (mg/kg)								
Benzene	0.64 ca	0.03	0.00102 =	0.0282 J	0.00115 =	0.00109 =	<0.00094 U	<0.00088 U
Ethylbenzene	190 nc	13	0.00149 =	0.141 J	0.00911 =	0.00266 =	0.00041 J	<0.00088 U
Toluene	66 nc	12	0.00033 J	<0.00097 U	<0.00092 U	<0.00104 U	0.00031 J	<0.00088 U
Xylenes, Total	27 nc	210	0.00185 =	0.162 J	0.00205 =	0.0008 J	0.00034 J	<0.00088 U
Semivolatile Organic Compounds (mg/kg)								
2-Methylnaphthalene [a]	5.6 nc	84	0.00903 J	**9.25 =**	1.66 =	0.135 =	<0.0369 U	<0.0382 U
Acenaphthene	370 nc	570	<0.0357 U	<0.0388 U	0.158 =	0.0189 J	<0.0369 U	<0.0382 U
Anthracene	2,200 nc	12,000	<0.0357 U	<0.0388 U	<0.0387 U	<0.0424 U	<0.0369 U	<0.0382 U
Benz(*a*)anthracene	0.62 ca	2	0.024 J	0.0607 =	<0.0387 U	<0.0424 U	<0.0369 U	<0.0382 U
Benzo(*a*)pyrene	0.062 ca	8	0.0203 J	<0.0388 U	<0.0387 U	<0.0424 U	<0.0369 U	<0.0382 U
Benzo(*b*)fluoranthene	0.62 ca	5	0.0304 J	<0.0388 U	<0.0387 U	<0.0424 U	<0.0369 U	<0.0382 U
Benzo(*ghi*)perylene [b]	6.2 ca	8	0.0189 J	<0.0388 U	<0.0387 U	<0.0424 U	<0.0369 U	<0.0382 U
Chrysene	62 ca	160	0.0182 J	0.0756 =	<0.0387 U	<0.0424 U	<0.0369 U	<0.0382 U
Fluoranthene	230 nc	4,300	<0.0357 U	<0.0388 U	<0.0387 U	<0.0424 U	<0.0369 U	<0.0382 U
Fluorene	270 nc	560	<0.0357 U	<0.0388 U	0.275 =	0.0364 J	<0.0369 U	<0.0382 U
Indeno(*1,2,3-cd*)pyrene	0.62 ca	14	0.0146 J	<0.0388 U	<0.0387 U	<0.0424 U	<0.0369 U	<0.0382 U
Naphthalene	5.6 nc	84	<0.0357 U	1.89 =	0.147 =	0.0152 J	<0.0369 U	<0.0382 U
Phenanthrene [c]	230 nc	4,200	0.011 J	2.45 =	0.684 =	0.102 =	<0.0369 U	<0.0382 U
Pyrene	230 nc	4,200	0.0299 J	0.771 =	0.183 =	0.0233 J	<0.0369 U	<0.0382 U

[a] PRG for naphthalene used for 2-methylnaphthalene.
[b] PRG for benzo(*a*)pyrene used for benzo(*ghi*)perylene.
[c] PRG for pyrene used for phenanthrene.
BGS = Below ground surface.
ca = Carcinogen.
DAF = Dilution attenuation factor.
DPT = Direct-push technology.
EPA = U. S. Environmental Protection Agency.
HQ = Hazard quotient.
nc = Non-carcinogen.
PRG = Preliminary remediation goal.
Res. = Residential.
SSL = Soil screening level.
SWMU = Solid waste management unit.
Bold = Concentrations above screening criteria.
Laboratory Qualifiers:
"=" = Detected value.
J = Estimated value.
U = Undetected value.

Table 4. Summary of Analytes Detected in Groundwater from DPT Locations (July 2007 and January 2008), SWMU 27F, Northwest of Building 1340

Station	EPA Region 9 Tap Water PRG (HQ = 0.1, 10E-6)	MCL	SB-15	SB-16	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-26
Sample ID			**7J4M11**	**7J4N11**	**7J4P11**	**7J4R11**	**7J4S11**	**7J4T11**	**7J4U11**	**7J4V11**	**7J4X11**	**7J42611**
Date			**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/11/07**	**07/12/07**	**07/12/07**	**07/12/07**	**01/28/08**
Depth (ft BGS)			**12.0 – 16.0**	**12.0 – 16.0**	**12.0 – 16.0**	**12.0 – 16.0**	**12.0 – 16.0**	**12.0 – 16.0**	**12.0 – 16.0**	**12.0 – 16.0**	**12.0 – 16.0**	**9.0 – 13.0**
Volatile Organic Compounds (µg/L)												
Benzene	0.35 ca	5	<1 U	<1 U	<1 U	<1 U	**151 =**	**17.9 =**	**6.05 =**	<1 U	**0.506 J**	**0.628 J**
Ethylbenzene	130 nc	700	2.33 =	3.01 =	2.5 =	2.2 =	14.3 =	2.73 =	<1 U	<1 U	<1 U	1.91 =
Toluene	72 nc	1,000	<1 U	<1 U	<1 U	<1 U	3.48 =	0.267 J	<1 U	<1 U	<1 U	<1 U
Xylenes, Total	21 nc	10,000	8.61 =	8.26 =	8.14 =	8.12 =	**30.6 =**	11.4 =	<1 U	<1 U	<1 U	2.51 =
Semivolatile Organic Compounds (µg/L)												
1,1-Biphenyl	30 nc		<9.71 U	<10 U	<9.52 U	<9.71 U	3.27 J	<10 U	3.81 J	<9.31 U	<10.1 U	NR
2,4-Dimethylphenol	73 nc		<9.71 U	<10 U	<9.52 U	< R	<9.8 U	<10 U	<10.1 U	<9.31 U	<10.1 U	<9.8 U
2-Methylnaphthalene [a]	0.62 nc		**3.27 =**	**3.31 =**	0.461 J	<0.971 U	**31.8 =**	**2.99 =**	**0.985 J**	**0.749 J**	**2.77 =**	**2.77 =**
Acenaphthene	37 nc		<0.971 U	<1 U	0.908 J	<0.971 U	0.976 J	<1 U	<1.01 U	<0.931 U	<1.01 U	5.55 =
Anthracene	180 nc		<0.971 U	<1 U	<0.952 U	<0.971 U	0.212 J	<1 U	<1.01 U	<0.931 U	<1.01 U	<0.98 U
Bis(2-ethylhexyl)phthalate	4.8 ca	6	<9.71 U	<10 U	1.97 J	<9.71 U	<9.8 U	<10 U	<10.1 U	<9.31 U	<10.1 U	<9.8 U
Carbazole	3.4 ca		<0.971 U	<1 U	<0.952 U	<0.971 U	**5.95 =**	0.488 J	<1.01 U	<0.931 U	<1.01 U	<0.98 U
Diethyl phthalate	2,900 nc		<9.71 U	<10 U	3.01 J	<9.71 U	<9.8 U	<10 U	2.4 J	<9.31 U	2.61 J	<9.8 U
Fluorene	24 nc		<0.971 U	0.284 J	1.05 =	<0.971 U	1.45 =	0.315 J	1.14 =	0.73 J	0.644 J	0.693 J
Naphthalene	0.62 nc		**2.67 =**	**1.93 =**	**0.782 J**	<0.971 U	**31.9 =**	**8.6 =**	**20.5 =**	<0.931 U	<1.01 U	**5.1 =**
Phenanthrene [b]	18 nc		0.744 J	0.492 J	<0.952 U	<0.971 U	1.91 =	0.506 J	0.775 J	1.21 =	0.526 J	0.601 J
Phenol	1,100 nc		<9.71 U	<10 U	<9.52 U	< R	<9.8 U	<10 U	<10.1 U	<9.31 U	<10.1 U	<9.8 U

Table 4. Summary of Analytes Detected in Groundwater from DPT Locations (July 2007 and January 2008), SWMU 27F, Northwest of Building 1340 (continued)

Station	EPA Region 9 Tap Water PRG (HQ = 0.1, 10E-6)	MCL	SB-27	SB-28	SB-29	SB-30	SB-31	SB-32	SB-33	SB-34	SB-35
Sample ID			**7J42711**	**7J42811**	**7J42911**	**7J43011**	**7J43111**	**7J43211**	**7J43311**	**7J43411**	**7J43511**
Date			**01/28/08**	**01/29/08**	**01/29/08**	**01/29/08**	**01/29/08**	**01/29/08**	**01/29/08**	**01/30/08**	**01/30/08**
Depth (ft BGS)			**10.0 – 14.0**	**10.0 – 14.0**	**9.0 – 13.0**	**9.0 – 13.0**	**9.0 – 13.0**	**10.0 – 14.0**	**10.0 – 14.0**	**11.0 – 15.0**	**11.0 – 15.0**
Volatile Organic Compounds (µg/L)											
Benzene	0.35 ca	5	**0.465 J**	**347 =**	**83.2 =**	**12.4 =**	**441 =**	**5.67 =**	**35 =**	<1 U	<1 U
Ethylbenzene	130 nc	700	0.794 J	31.5 =	13.1 =	1.3 =	54.3 =	<1 U	0.515 J	<1 U	<1 U
Toluene	72 nc	1,000	<1 U	<2.22 U	<1 U	<1 U	**98.1 =**	<1 U	<1 U	<1 U	<1 U
Xylenes, Total	21 nc	10,000	2.71 =	6.66 =	9.2 =	<1.37 U	**166 =**	<1.39 U	<2.11 U	0.299 J	0.253 J
Semivolatile Organic Compounds (µg/L)											
1,1-Biphenyl	30 nc		NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-Dimethylphenol	73 nc		<9.8 U	<10 U	<9.71 U	<9.8 U	5.21 J	<9.62 U	<9.8 U	<10 U	<10 U
2-Methylnaphthalene [a]	0.62 nc		**13.3 =**	**2.72 =**	**8.34 =**	**0.899 J**	**60.9 =**	**1.18 =**	**3.1 =**	**1.39 =**	<1 U
Acenaphthene	37 nc		0.99 =	1.93 =	2.56 =	0.881 J	2.1 =	<0.962 U	<0.98 U	<1 U	<1 U
Anthracene	180 nc		<0.98 U	0.393 J	<0.971 U	<0.98 U	0.413 J	<0.962 U	<0.98 U	<1 U	<1 U
Bis(2-ethylhexyl)phthalate	4.8 ca	6	<9.8 U	<10 U	**5.26 J**	4.22 J	3.04 J	<9.62 U	<9.8 U	<10 U	<10 U
Carbazole	3.4 ca		1.39 J	**13.6 J**	**12 =**	**3.88 =**	**16 J**	<0.962 U	<0.98 U	<1 U	<1 U
Diethyl phthalate	2,900 nc		<9.8 U	<10 U	<9.71 U	<9.8 U	<9.8 U	<9.62 U	<9.8 U	<10 U	<10 U
Fluorene	24 nc		1.8 =	3.06 =	3.23 =	1.56 =	3.61 =	<0.962 U	1.07 =	<1 U	<1 U
Naphthalene	0.62 nc		**12.4 =**	**6.41 =**	**38.4 =**	**17.8 =**	**86.2 =**	**1.46 =**	**25.3 =**	**2.92 =**	<1 U
Phenanthrene [b]	18 nc		1.99 =	1.04 =	2.6 =	1.77 =	3.89 =	<0.962 U	0.865 J	<1 U	<1 U
Phenol	1,100 nc		<9.8 U	1.41 J	<9.71 U	<9.8 U	<9.8 U	<9.62 U	<9.8 U	<10 U	<10 U

[a] PRG for naphthalene used for 2-methylnaphthalene.
[b] PRG for pyrene used for phenanthrene.
BGS = Below ground surface.
ca = Carcinogenic.
DPT = Direct-push technology.
EPA = U. S. Environmental Protection Agency.
HQ = Hazard quotient.
MCL = Maximum contaminant level.
nc = Non-carcinogenic.
NR = Not reported.
PRG = Preliminary remediation goal.
SWMU = Solid waste management unit.
Bold = Concentrations above screening criteria.
Laboratory Qualifiers:
"=" = Detected value.
J = Estimated value.
U = Undetected value.
<R = Undetected value rejected in validation.

Benzene was estimated or detected in 12 of 19 groundwater samples at concentrations ranging from 0.465J μg/L at SB27 to 441 μg/L at SB31. All of the detected or estimated concentrations of benzene in groundwater were above the EPA Region 9 PRG (0.35 μg/L). Nine of the 12 detected concentrations of benzene were detected above its MCL (5 μg/L).

Ethylbenzene was estimated or detected in 13 of 19 groundwater samples at concentrations ranging from 0.515J μg/L at SB33 to 54.3 μg/L at SB31. None of the detected concentrations of ethylbenzene were above the EPA Region 9 PRG for tap water (130 μg/L).

Toluene was estimated or detected in 3 of 19 groundwater samples at concentrations of 3.48 μg/L at SB19, 0.267J μg/L at SB20, and 98.1 μg/L at SB31. Only one of the detected concentrations of toluene (98.1 μg/L at SB31) in groundwater was detected above the EPA Region 9 PRG for tap water (72 μg/L).

Total xylenes were estimated or detected in 13 of 19 groundwater samples at concentrations ranging from 0.253J μg/L at SB35 to 166 μg/L at SB31. Only two of the detected concentrations of total xylenes (30.6 μg/L at SB19 and 166 μg/L at SB31) in groundwater were detected above the EPA Region 9 PRG for tap water (21 μg/L).

BTEX constituents are identified as SRCs in the perched groundwater above the clay layer.

SVOCs. Twelve SVOCs (seven polyaromatic hydrocarbons; 1,1-biphenyl; 2,4-dimethylphenol; bis2-ethylhexylphthalate; carbazole; and diethyl phthalate) were detected in perched groundwater above the clay layer. Of the 12 SVOCs estimated or detected in groundwater, 2-methylnapthalene, bis(2-ethylhexyl)phthalate, carbazole, and naphthalene were estimated or detected above their respective EPA Region 9 PRGs for tap water.

2-Methylnaphthalene was detected in 17 of 19 groundwater samples at concentrations ranging from 0.461J μg/L at SB-17 to 60.9 μg/L at SB-31. There is no EPA Region 9 PRG for 2-methylnaphthalene; therefore, the EPA Region 9 PRG for naphthalene was used as a surrogate for 2-methylnaphthalene. Sixteen of the 17 estimated or detected concentrations were above the EPA Region 9 PRG for tap water (0.62 μg/L).

Carbazole was detected in 7 of 19 groundwater samples at concentrations ranging from 0.488J μg/L at SB-20 to 16 μg/L at SB-31. Five of the seven estimated or detected concentrations were above the EPA Region 9 PRG for tap water (3.4 μg/L). None of the concentrations were above the RL (34.9 μg/L) established in the CAP (SAIC 2004).

Bis(2-ethylhexyl)phthalate was detected in 4 of 19 groundwater samples at concentrations ranging from 1.97J μg/L at SB-17 to 5.26 μg/L at SB-29. One of the four estimated or detected concentrations was above the EPA Region 9 PRG for tap water (4.8 μg/L).

Naphthalene was detected in 15 of 19 groundwater samples at concentrations ranging from 0.782J μg/L at SB-17 to 86.2 μg/L at SB-31. All of the 15 estimated or detected concentrations were above the EPA Region 9 PRG for tap water (0.62 μg/L).

The remaining eight constituents [1,1-biphenyl; 2,4-dimethylphenol; acenaphthene; anthracene; diethyl phthalate; fluorene; phenanthrene; and phenol) were detected below their respective EPA Region 9 PRG for tap water; however, they are still considered SRCs along with 2-methylnapthalene, bis(2-ethylhexyl)phthalate, carbazole, and naphthalene.

2.2 CHEMICAL OXIDATION BENCH TEST

Two bulk subsurface soil and groundwater samples were collected for the performance of a chemical oxidation bench study. Approximately two 5-gal containers of subsurface soil and groundwater were collected from two soil borings installed adjacent to the location of the highest subsurface soil contamination (SB1) from the September 2005 soil results. The soil and groundwater samples were sent to SAIC's Environmental Technologies Program in Ottawa, Canada for determination of total oxidant demand (TOD), soil oxidant demand (SOD), and chemical oxidation bench study. The results are summarized below. The complete oxidant testing results are presented in Appendix D.

The methodology used (i.e., bench-scale tests) was based on the American Society for Testing and Materials work item "WK9154 New Standard Test Method for Determining Permanganate Soil Oxidant Demand (Screening Phase, PSOC-1)". Four types of test jars were setup with either 0, 10, 50, or 100 mL of 1.5% sodium persulphate dosing solution. Each SOD and TOD test was completed in duplicate and, along with one control test jar, received approximately 50 g of soil and 200 mL of solution consisting of 80 to 170 mL of groundwater with the balance being sodium persulphate dosing solution and activation solutions.

The bench-scale test showed that the oxidant demand for sodium persulphate using Fe-EDTA and hydrogen peroxide activation was dependent on the initial sodium persulphate concentration and reaction time. As expected, the oxidant demand in the TOD tests was greater than in the SOD tests due to the presence of the petroleum hydrocarbons. The Fe-EDTA and hydrogen peroxide activation tests were generally effective in removing BTEX, but less effective in removing gasoline-range organics (GRO) and diesel-range organics (DRO). The alkalinity activation method was largely ineffective in causing the sodium persulphate to oxidize the natural organic materials in the soil and in removing the BTEX, GRO, and DRO.

2.3 CONFIRMATION SURFACE SOIL SAMPLING – APRIL 2008

Two confirmatory surface soil samples (Figure 9) were collected around MW10 to confirm that concentrations of SVOCs had remained below their respective RLs. A summary of the surface soil analytical results is presented in Table 5. The complete analytical results and chain-of-custody forms are presented in Appendix C.

Four SVOCs, benzo(*a*)anthracene, benzo(*a*)pyrene, benzo(*b*)fluoranthene, and dibenzo(*a,h*)anthracene, were identified as COCs in surface soil based on human health risk during the Phase II RFI (SAIC 2001). Surface soil samples were collected in September 2002 to evaluate the performance of natural attenuation of SVOC COCs, and the results were reported in the CAP Progress Report for CY 2002 (SAIC 2005b). The results indicated that the concentrations of these constituents were below their respective RLs established in the CAP (SAIC 2004). In their comments on the CAP Progress Report for CY 2002, GA EPD requested that confirmatory surface soil samples be collected to confirm that the surface soil COCs had remained below their respective RLs before no further action was approved for surface soil.

As indicated in Table 5, only two of the SVOC COCs were detected in the surface soil, benzo(*a*)pyrene and benzo(*b*)fluoranthene. Both of these SVOC COCs were detected below their respective EPA Region 9 PRGs, EPA Region 9 SSLs, and the RLs established for these COCs in the CAP. The RLs for surface soil have been achieved for SVOC COCs in surface soil at SWMU 27F; therefore, no further action is required for surface soil at SWMU 27F.

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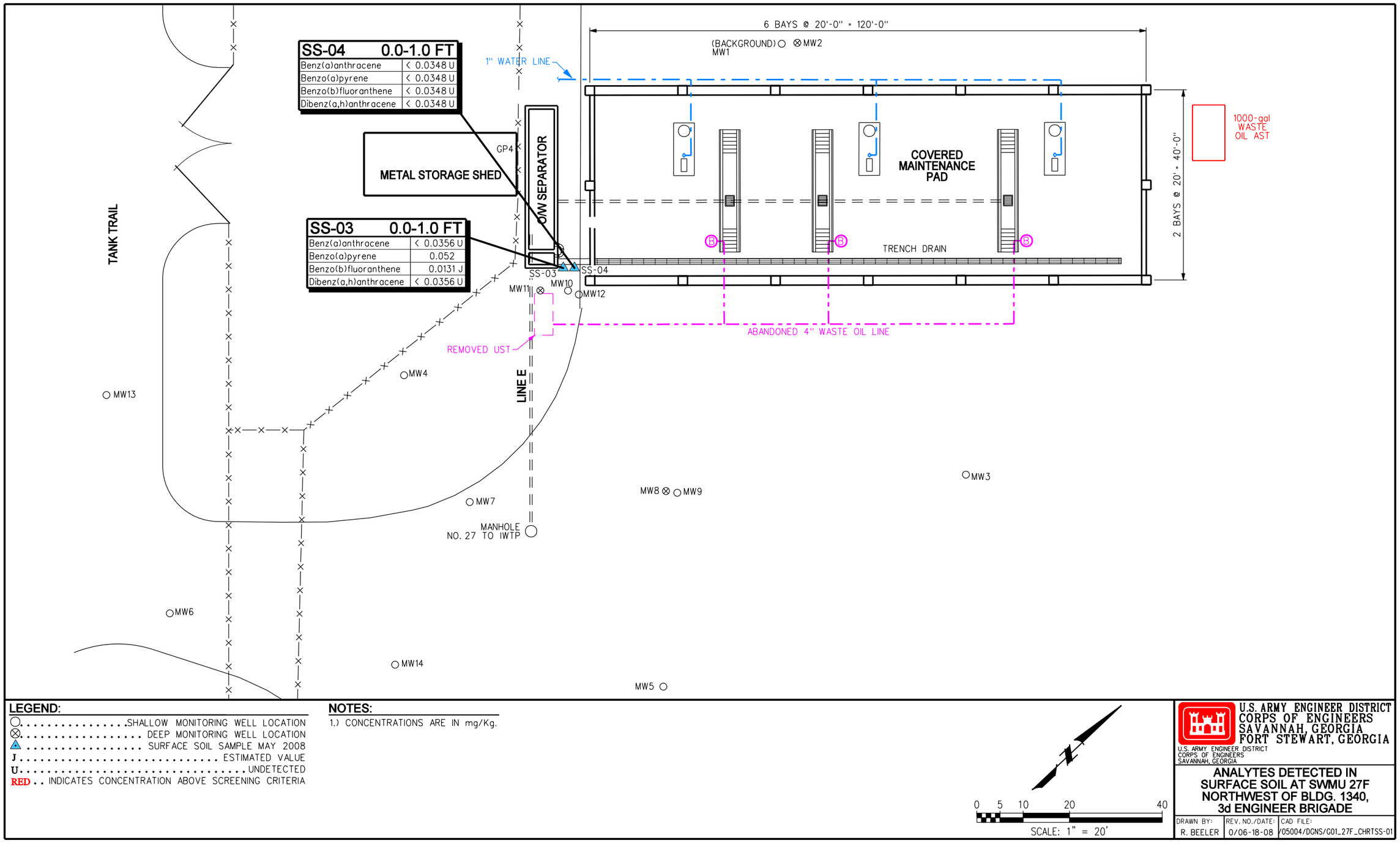

Figure 9. Analytes Detected in Confirmatory Surface Soil Samples (April 2008) at SWMU 27F, Northwest of Building 1340

Table 5. Summary of Analytes Detected in Confirmatory Surface Soil Samples, SWMU 27F, Northwest of Building 1340

Station	EPA Region 9 Res. Soil PRG (HQ =.1,10E-6)	EPA Region 9 SSL (DAF = 20)	Remedial Level from CAP	SS-03	SS-04
Sample ID				**7J7311**	**7J7411**
Date				**05/01/08**	**05/01/08**
Depth (ft BGS)				**0.0 - 1.0**	**0.0 - 1.0**
Semivolatile Organic Compounds (mg/kg)					
Benz(*a*)anthracene	0.62 ca	2	8.93	<0.0356 U	<0.0348 U
Benzo(*a*)pyrene	0.062 ca	8	0.89	0.052 =	<0.0348 U
Benzo(*b*)fluoranthene	0.62 ca	5	8.93	0.0131 J	<0.0348 U
Dibenz(*a*,*h*)anthracene	0.062 ca	2	0.89	<0.0356 U	<0.0348 U

BGS = Below ground surface.
ca = Carcinogenic.
CAP = Corrective Action Plan.
DAF = Dilution attenuation factor.
EPA = U. S. Environmental Protection Agency.
HQ = Hazard quotient.
PRG = Preliminary remediation goal.
Res. = Residential.
SSL = Soil screening level.
Laboratory Qualifiers:
"=" = Detected value.
J = Estimated value.
U = Undetected value.

2.4 GROUNDWATER SAMPLING – APRIL 2008

Fourteen shallow monitoring wells (MW1, MW3, MW4, MW5, MW6, MW7, MW9, MW10, MW13, MW14, MW15, MW16, MW17, and MW18) at SWMU 27F were low-flow sampled between April 29 and May 1, 2008 (Figure 10). MW1 (upgradient) represents the shallow surficial groundwater background well. The groundwater samples were analyzed for VOCs, SVOCs, and natural attenuation parameters. SVOCs were included because they were detected in groundwater [but below EPA Region 3 RBCs (regulatory criteria approved for the RFI; EPA 2002)] and because they are characteristic of the material or waste oil disposed of at the removed UST and now-abandoned OWS, the presumed source of the contamination.

Conductivity, pH, temperature, dissolved oxygen, and oxidation-reduction potential were measured during well purging for the collection of all groundwater samples. Table 6 summarizes the field data collected during the groundwater sampling at SWMU 27F. Measurements of water levels were taken at all of the monitoring wells. Water level measurements and groundwater elevations are presented in Table 7. Monitoring wells MW12 and MW4 were measured for free product using a free product level meter.

2.5 GROUNDWATER SURFACE ELEVATIONS AND DIRECTION

The water level measurements (see Table 7) from the monitoring wells were used to develop shallow and deep groundwater potentiometric maps for SWMU 27F. Figures 11 and 12 present the groundwater elevations and the potentiometric maps for the shallow and deep surficial groundwater, respectively. The shallow and deep surficial groundwater flow was primarily to the south/southeast, with an average horizontal hydraulic gradient of 0.00118 and 0.00134 ft/ft, respectively.

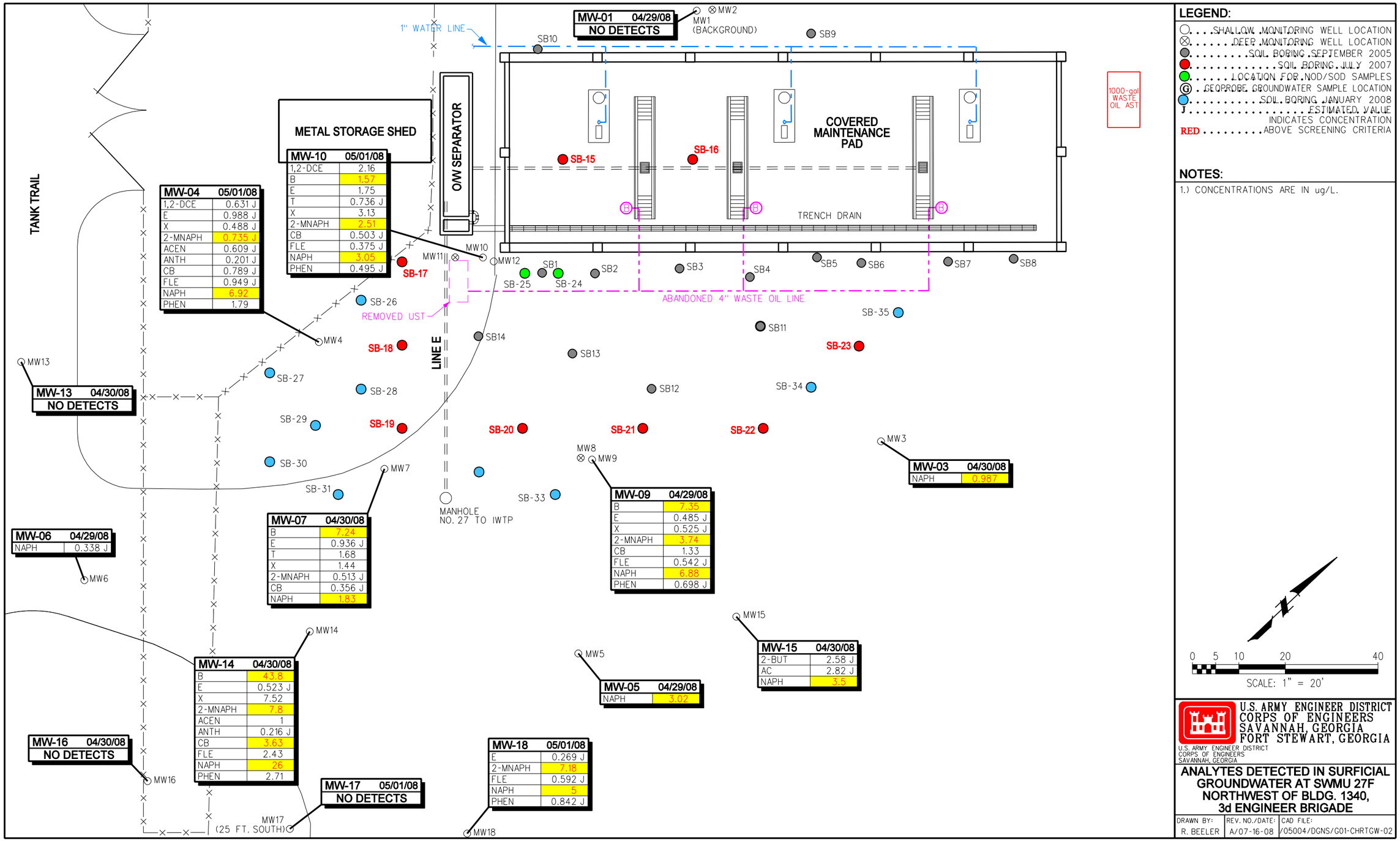

Figure 10. Analytes Detected in Surficial Groundwater (April/May 2008) at SWMU 27F Northwest of Building 1340

Table 6. Field Parameter Measurements During Groundwater Sampling (April 2008), SWMU 27F, Northwest of Building 1340

Location	Date	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTUs)	DO (mg/L)	Redox (mV)
MW1	04/29/08	4.24	0.072	21.73	52.5	1.47	3.57
MW3	04/30/08	4.20	0.043	22.58	5.6	1.98	190
MW4	05/01/08	5.15	0.068	25.15	9.3	2.89	20
MW5	04/29/08	3.91	0.053	22.87	7.6	1.73	300
MW6	04/29/08	4.21	0.049	22.48	9.2	2.22	140
MW7	04/30/08	4.62	0.062	22.33	12.6	2.11	146
MW9	05/01/08	4.50	0.061	22.98	10.1	2.17	57
MW10	04/30/08	4.78	0.070	21.05	15.09	0.87	335
MW13	04/30/08	4.68	0.056	24.39	5.2	1.21	158
MW14	04/30/08	4.07	0.054	22.31	2.2	2.06	237
MW15	04/30/08	5.86	0.078	23.99	23.3	3.18	246
MW16	05/01/08	4.98	0.017	23.07	9.2	1.83	170
MW17	05/01/08	5.00	0.053	23.87	7.6	2.79	147
MW18	04/29/08	4.24	0.072	21.73	52.5	1.47	3.57

DO = Dissolved oxygen.
NTU = Nephelometric turbidity unit.
Redox = Oxidation-reduction potential.
s.u. = Standard unit.
SWMU = Solid waste management unit.

Table 7. Water Level Data for Monitoring Wells (April 2008), SWMU 27F, Northwest of Building 1340

Well	Date	Screened Interval (ft BGS)	Depth to Water (ft below MP)	Elevation of Measuring Point (ft AMSL)	Elevation of Potentiometric Surface (ft AMSL)
MW1	04/29/08	9.30 – 19.30	7.80	69.16	61.36
MW2	04/29/08	28.80 – 38.80	7.90	69.27	61.37
MW3	04/29/08	10.40 – 20.40	7.18	68.45	61.27
MW4	04/29/08	5.90 – 15.90	6.77	68.02	61.25
MW5 [a]	04/29/08	8.80 – 18.80	6.73	67.99	61.26
MW6	04/29/08	8.70 – 18.70	6.69	67.88	61.19
MW7	04/29/08	10.00 – 20.00	6.95	68.14	61.19
MW8	04/29/08	30.90 – 40.90	7.11	68.34	61.23
MW9	04/29/08	10.30 – 20.30	7.21	68.46	61.25
MW10	04/29/08	11.00 – 21.00	7.25	68.70	61.45
MW11	04/29/08	29.40 – 39.40	7.39	68.66	61.27
MW12 [b]	04/29/08	5.00 – 9.70	7.05	68.74	61.69
MW13	04/29/08	4.10 – 14.10	6.11	67.26	61.15
MW14	04/29/08	2.90 – 12.90	6.58	67.76	61.18
MW15	04/29/08	3.80 – 13.80	6.77	68.03	61.26
MW16	04/29/08	5.0 – 15.0	6.45	67.64	61.19
MW17	04/29/08	4.90 – 14.90	6.85	69.08	62.23
MW18	04/29/08	4.90 – 14.90	6.25	67.49	61.24

[a] Groundwater level not used in the development of the potentiometric map.
[b] MW12 was installed to collect free product. Elevation not used for the development of the potentiometric map.
AMSL = Above mean sea level.
BGS = Below ground surface.
MP = Measuring point (top of casing).
SWMU = Solid waste management unit.

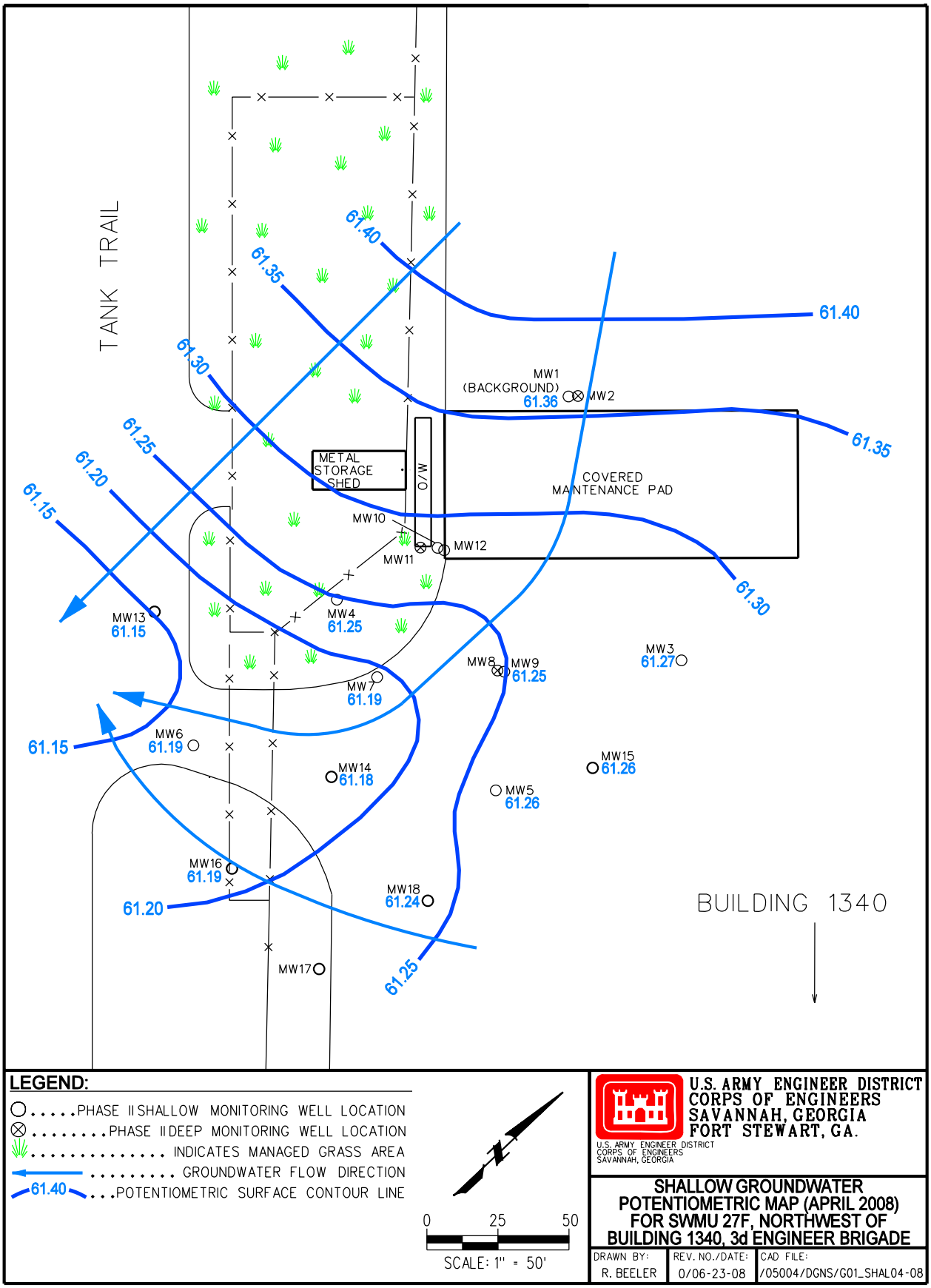

Figure 11. Groundwater Potentiometric Surface Map for Shallow Wells for April 2008, SWMU 27F, Northwest of Building 1340

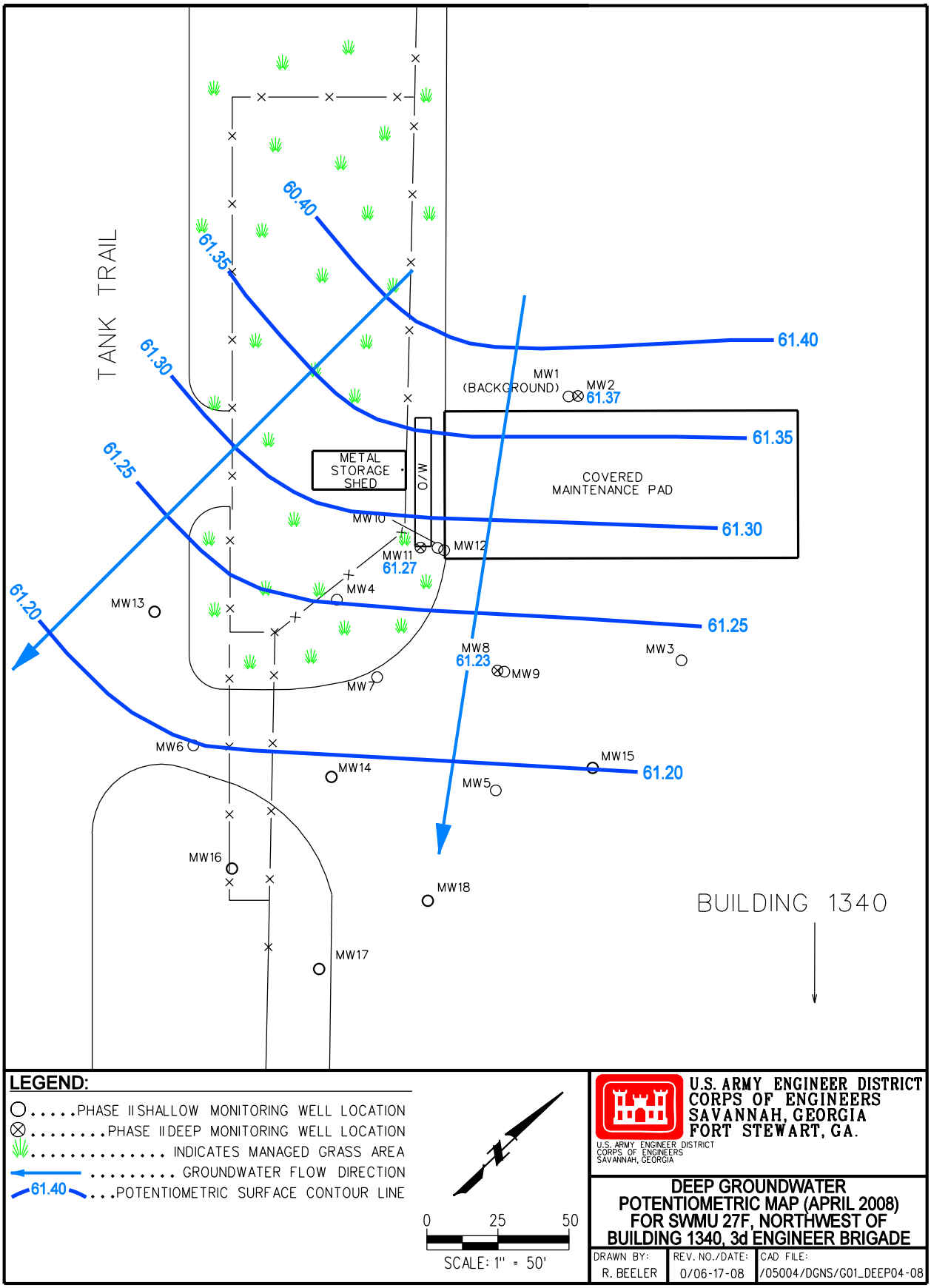

Figure 12. Groundwater Potentiometric Surface Map for Deep Wells for April 2008, SWMU 27F, Northwest of Building 1340

2.6 FREE PRODUCT MEASUREMENTS

No free product was detected in any of the wells. Free product has been sporadically indicated in MW12 and is believed to be residual soil contamination from either overflows from the adjacent OWS and/or the removed waste oil UST. Small quantities of heavy petroleum products are trapped within the soil matrix and are slowly migrating to the perched groundwater located above the clay-confining layer at approximately 8 to 10 ft BGS.

2.7 GROUNDWATER ANALYTICAL RESULTS FROM MONITORING WELLS

The results from the chemical analysis of groundwater collected from monitoring wells screened in the surficial groundwater are presented in Table 8 and Figure 10. The complete analytical results and chain-of-custody forms are presented in Appendix C. SRCs in groundwater were determined using the protocol discussed in Chapter 5.0 of the revised final Phase II RFI Report (SAIC 2000). Organic constituents were identified as SRCs if they were simply detected (because organic constituents are generally from anthropogenic sources).

VOCs. Seven VOCs (1,2-DCE; 2-butanone; acetone; benzene; ethylbenzene; toluene; and total xylenes) were estimated or detected in surficial groundwater sampled from the monitoring wells at SWMU 27F in the April/May 2008 sampling. No VOCs were detected in MW1, MW3, MW5, MW6, MW13, MW16, or MW17. Of the seven VOCs detected, only benzene was detected above its EPA Region 9 PRG for tap water.

Acetone was estimated in one downgradient groundwater sample at a concentration of 2.82J μg/L at MW15.

1,2-DCE was estimated in two downgradient groundwater sample at concentrations of 0.631J μg/L at MW4 and 2.16 μg/L at MW10.

2-Butanone was estimated in one downgradient groundwater sample at a concentration of 2.58J μg/L at MW15.

Benzene was detected or estimated in 4 of 14 groundwater samples at concentrations ranging from 1.57 μg/L at MW10 to 43.8 μg/L at MW14. All of the detected concentrations of benzene were above the EPA Region 9 PRG (0.35 μg/L), and three of the four detected concentrations were above the MCL (5 μg/L).

Ethylbenzene was detected or estimated in 6 of 14 groundwater samples at concentrations ranging from 0.269J μg/L at MW18 to 1.75 μg/L at MW10.

Toluene was estimated in 2 of 14 groundwater samples at concentrations of 0.736J μg/L at MW10 and 1.68 μg/L at MW7.

Total xylenes were detected in 5 of 14 groundwater samples at concentrations ranging from 0.488J μg/L at MW4 to 7.52 μg/L at MW14.

1,2-DCE; 2-butanone; acetone; benzene; ethylbenzene; toluene; and total xylenes are considered to be SRCs from the April/May 2008 groundwater sampling.

Table 8. Summary of Analytes Detected in Groundwater (April/May 2008), SWMU 27F, Northwest of Building 1340

Station	EPA Region 9			MW-01	MW-03	MW-04	MW-05	MW-06	MW-07	MW-09
Sample ID	Tap Water PRG		Background	7J4175	7J4375	7J4475	7J4575	7J4675	7J4775	7J4975
Date	(HQ = .1,10E-6)	MCL[b]	Criteria	04/29/08	04/30/08	05/01/08	04/29/08	04/29/08	04/30/08	04/29/08
Volatile Organic Compounds (µg/L)										
1,2-Dichloroethene [a]	6.1 nc	70	0	<1 U	<1 U	0.631 J	<1 U	<1 U	<1 U	<1 U
2-Butanone	700 nc		0	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Acetone	550 nc		0	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U	<5 U
Benzene	0.35 ca	5	0	<1 U	<1 U	<1 U	<1 U	<1 U	**7.24 =**	**7.35 =**
Ethylbenzene	130 nc	700	0	<1 U	<1 U	0.988 J	<1 U	<1 U	0.936 J	0.485 J
Toluene	72 nc	1,000	0	<1 U	<1 U	<1 U	<1 U	<1 U	1.68 =	<1 U
Xylenes, Total	21 nc	10,000	0	<1 U	<1 U	0.488 J	<1 U	<1 U	1.44 =	0.525 J
Semivolatile Organic Compounds (µg/L)										
2-Methylnaphthalene [c]	0.62 nc		0	<0.98 U	<0.971 U	**0.735 J**	<0.971 U	<0.962 U	0.513 J	**3.74 =**
Acenaphthene	37 nc		0	<0.98 U	<0.971 U	0.609 J	<0.971 U	<0.962 U	<0.98 U	<0.971 U
Anthracene	180 nc		0	<0.98 U	<0.971 U	0.201 J	<0.971 U	<0.962 U	<0.98 U	<0.971 U
Carbazole	3.4 ca		0	<0.98 U	<0.971 U	0.789 J	<0.971 U	<0.962 U	0.356 J	1.33 =
Fluorene	24 nc		0	<0.98 U	<0.971 U	0.949 J	<0.971 U	<0.962 U	<0.98 U	0.542 J
Naphthalene	0.62 nc		0	<0.98 U	**0.987 =**	**6.92 =**	**3.02 =**	0.338 J	**1.83 =**	**6.88 =**
Phenanthrene [d]	18 nc		0	<0.98 U	<0.971 U	1.79 =	<0.971 U	<0.962 U	<0.98 U	0.698 J
Miscellaneous (µg/L)										
Iron	1,100 nc		4378	**3,180 =**	415 =	**5,940 =**	555 =	624 =	**8,520 =**	807 =
Carbon Dioxide				<725 U	<725 U	193,000 =	<725 U	<725 U	165,000 =	<1,450 U
Nitrate	1,000 nc	10,000	500	<33 U	<33 U	<33 U	<33 U	<33 U	146 =	<33 U
Nitrite	100 nc	1,000	500	<33 U	<33 U	<33 U	<33 U	<33 U	<33 U	<33 U
Sulfate			26,717.50	822 =	511 =	1,540 =	380 J	630 =	<100 U	3,220 J
Methane			0	6.59 J	18.9 J	64.9 =	30.3 J	<25 UJ	156 =	86.8 J

Table 8. Summary of Analytes Detected in Groundwater (April/May 2008), SWMU 27F, Northwest of Building 1340 (continued)

Station	EPA Region 9			MW-10	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18
Sample ID	Tap Water PRG		Background	7J4A75	7J4D75	7J4E75	7J4F75	7J4G75	7J4H75	7J4J75
Date	(HQ = .1,10E-6)	MCL[b]	Criteria	05/01/08	04/30/08	04/30/08	04/30/08	04/30/08	05/01/08	05/01/08
Volatile Organic Compounds (µg/L)										
1,2-Dichloroethene [a]	6.1 nc	70	0	2.16 =	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
2-Butanone	700 nc		0	<5 U	<5 U	<5 U	2.58 J	<5 U	<5 U	<5 U
Acetone	550 nc		0	<5 U	<5 U	<5 U	2.82 J	<5 U	<5 U	<5 U
Benzene	0.35 ca	5	0	**1.57 =**	<1 U	**43.8 =**	<1 U	<1 U	<1 U	<1 U
Ethylbenzene	130 nc	700	0	1.75 =	<1 U	0.523 J	<1 U	<1 U	<1 U	0.269 J
Toluene	72 nc	1,000	0	0.736 J	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Xylenes, Total	21 nc	10,000	0	3.13 =	<1 U	7.52 =	<1 U	<1 U	<1 U	<1 U
Semivolatile Organic Compounds (µg/L)										
2-Methylnaphthalene [c]	0.62 nc		0	**2.51 =**	<0.98 U	**7.8 =**	<0.98 U	<0.971 U	<0.952 U	**7.18 =**
Acenaphthene	37 nc		0	<0.952 U	<0.98 U	1 =	<0.98 U	<0.971 U	<0.952 U	<0.962 U
Anthracene	180 nc		0	<0.952 U	<0.98 U	0.216 J	<0.98 U	<0.971 U	<0.952 U	<0.962 U
Carbazole	3.4 ca		0	0.503 J	<0.98 U	**3.63 =**	<0.98 U	<0.971 U	<0.952 U	<0.962 U
Fluorene	24 nc		0	0.375 J	<0.98 U	2.43 =	<0.98 U	<0.971 U	<0.952 U	0.592 J
Naphthalene	0.62 nc		0	**3.05 =**	<0.98 U	**26 =**	**3.5 =**	<0.971 U	<0.952 U	**5 =**
Phenanthrene [d]	18 nc		0	0.495 J	<0.98 U	2.71 =	<0.98 U	<0.971 U	<0.952 U	0.842 J
Miscellaneous (µg/L)										
Iron	1,100 nc		4,378	**1,950 =**	503 =	**1,910 =**	274 =	295 =	321 =	**4,820 =**
Carbon Dioxide				<725 U	99,800 =	<725 U	<725 U	118,000 =	157,000 =	285,000 =
Nitrate	1,000 nc	10,000	500	<33 U	**2,160 =**	<33 U	<33 U	<33 U	192 =	641 =
Nitrite	100 nc	1,000	500	<33 U	<33 U	<33 U	<33 U	<33 U	48.7 J	48.2 J
Sulfate			26,717.50	431 J	3,100 =	1,430 =	451 =	7,600 =	3,390 =	4,000 =
Methane			0	420 =	<25 U	396 =	29.2 =	<25 U	20.5 J	255 =

[a] EPA Region 9 PRGs: http://www.epa.gov/region09/waste/sfund/prg/index.html (Appendix D).
[b] National Primary Drinking Water Regulations 40 *Code of Federal Regulations* 141 (7/01/2002) http://www.epa.gov/safewater/contaminants/index.html#primary.
[c] EPA soil screening level for naphthalene used for 2-methylnaphthalene.
[d] EPA soil screening level for pyrene used for phenanthrene.
Bold denotes concentrations above screening criteria.
ca = Carcinogenic.
EPA = U. S. Environmental Protection Agency.
HQ = Hazard quotient.
MCL = Maximum contaminant level.
nc = Non-carcinogenic.
PRG = Preliminary remediation goal.
SWMU = Solid waste management unit.
Laboratory Qualifiers:
J = Estimated value.
U = Undetected value.
"=" = Detected value.

SVOCs. Seven SVOCs [2-methylnaphthalene; acenaphthene; anthracene, carbazole; fluorene; naphthalene; and phenanthrene] were detected or estimated in groundwater during the April/May 2008 sampling.

2-Methylnaphthalene was estimated or detected in 6 of 14 groundwater samples at concentrations ranging from 0.513J μg/L at MW7 to 7.8 μg/L at MW14. There is no EPA Region 9 PRG for 2-methylnaphthalene; therefore, the EPA Region 9 PRG for naphthalene was used as a surrogate for 2-methylnaphthalene. Five of the six detected concentrations of 2-methylnaphthalene were detected above its EPA Region 9 PRG (0.62 μg/L).

Acenaphthene was estimated or detected in 2 of 14 groundwater samples at concentrations of 0.609J μg/L at MW4 and 1 μg/L at MW14.

Anthracene was estimated in 2 of 14 groundwater samples at concentrations of 0.201J μg/L at MW4 and 0.216J μg/L at MW14.

Carbazole was detected in 5 of 14 groundwater samples at concentrations ranging from 0.356 μg/L at MW7 to 3.63 μg/L at MW14. One of the five detected concentrations of carbazole was detected above its EPA Region 9 PRG (3.4 μg/L). None of the concentrations were detected above the RL (34.9 μg/L) established in the CAP (SAIC 2004).

Fluorene was detected or estimated in 5 of 14 groundwater samples at concentrations ranging from 0.375J μg/L at MW10 to 2.43 μg/L at MW14.

Naphthalene was detected or estimated in 10 of 14 groundwater samples at concentrations ranging from 0.338J μg/L at MW6 to 26 μg/L at MW14. Nine of the ten detected concentrations of naphthalene were detected above its EPA Region 9 PRG (0.62 μg/L).

Phenanthrene was detected or estimated in 5 of 14 groundwater samples at concentrations ranging from 0.495J μg/L at MW10 to 2.71 μg/L at MW14.

SVOCs were not detected in MW1 (site-specific background location), MW16, or MW17. MW16 and MW17 are the farthest downgradient monitoring wells located at SWMU 27F.

All seven of the SVOCs detected in groundwater during the April/May 2008 sampling (2-methylnaphthalene, acenaphthene, anthracene, carbazole, fluorene, naphthalene, and phenanthrene) are considered to be SRCs in the surficial groundwater from the CY 2008 groundwater sampling.

Natural Attenuation Parameters. The groundwater samples were analyzed for the following natural attenuation parameters during the April/May 2008 sampling: iron, sulfate, sulfide, carbon dioxide, nitrate, nitrite, and methane. Biological degradation of petroleum contaminants (i.e., benzene, toluene, ethylbenzene, and xylenes) involves biologically mediated oxidation-reduction reactions consisting of aerobic heterotrophic respiration, denitrification, manganese (IV) reduction, iron (III) reduction, sulfate reduction, and methanogenesis (Wiedemeier 1997). Therefore, the measurement of geochemical parameters associated with these processes is an indicator that attenuation/biological degradation is occurring. Oxygen, nitrate, iron (III), manganese (IV), sulfate, and carbon dioxide are electron acceptors in the oxidation-reduction process.

Iron, the only metal analyzed, was detected in all 14 groundwater samples at concentrations ranging from 274 μg/L at MW15 to 8,520 μg/L at MW7. The concentrations at MW1 (3,180 μg/L), MW4 (5,940 μg/L), MW7 (8,520 μg/L), MW10 (1,950 μg/L), MW14 (1,910 μg/L), and MW18 (4,820 μg/L)

exceed the EPA Region 9 PRG of 1,100 μg/L (Table 8). Iron was also detected in the site-specific background location (MW1) above its EPA Region 9 PRG. Iron is an essential nutrient. In addition, ferrous iron in relation to total iron may be used to indicate if anaerobic degradation is occurring due to the depletion of oxygen, nitrate, and manganese. Ferrous iron is produced from the biological degradation of ferric iron.

Sulfate was detected or estimated in 13 of 14 groundwater samples at concentrations ranging from 380J μg/L at MW5 to 7,600 μg/L at MW16. Sulfate was also detected in the site-specific background location (MW1) at a concentration of 822 μg/L. Sulfate is the second (after nitrate) electron acceptor used after oxygen is depleted. Sulfide is produced when sulfate is used as an electron acceptor for anaerobic microbial respiration.

Carbon dioxide was detected in 6 of 14 groundwater samples at concentrations ranging from 99,800 μg/L at MW13 to 285,000 μg/L at MW18. Carbon dioxide is a measure of the level of bioactivity in the groundwater under aerobic respiration and is an electron acceptor under methanogenesis.

Methane was detected in 11 of 14 groundwater samples at concentrations ranging from 6.59J μg/L at MW1 (site-specific background location) to 420 μg/L at MW10. The presence of methane suggests biodegradation of organic carbon via methanogenesis. Methanogenesis only occurs after oxygen, iron, manganese, nitrate, and sulfate have been depleted as electron acceptors.

Nitrate was detected in 2 of 14 groundwater samples at concentrations of 146 μg/L at MW7 and 2,160 μg/L at MW13. The nitrate concentration at MW13 was greater than the EPA Region 9 PRG (1,000 μg/L). Nitrate is an essential nutrient for biological degradation and is the first electron acceptor used after oxygen is depleted.

Nitrite was detected in 2 of 14 groundwater samples at concentrations of 48.2 μg/L at MW18 and 48.7 μg/L at MW17. Nitrite is a degradation product of nitrate.

Sulfide was not detected in any of the groundwater samples at a detection limit of <100 μg/L. Sulfide is produced when sulfate is used as an electron acceptor for anaerobic microbial respiration.

2.8 GROUNDWATER ANALYSIS

The analysis of the groundwater was separated into perched groundwater located above the clay layer located at approximately 10 to 12 ft BGS and surficial groundwater as monitored by the groundwater monitoring network established at SWMU 27F. The analysis of the perched and surficial groundwater analytical data presented in this section followed the protocol and decision flowchart approved by GA EPD for evaluating SRCs identified in groundwater collected after the establishment of RLs through either an RFI report and/or a CAP (Appendix A). The perched groundwater (above clay layer) represents a residual contaminant source that impacts the underlying surficial groundwater at SWMU 27F. Only the surficial groundwater as monitored by the groundwater monitoring well network must meet RLs established for SWMU 27F. The influence of the contaminants in the soil and groundwater above the clay on the surficial groundwater located below will be discussed under the F&T section (Chapter 3).

2.8.1 Perched Groundwater from DPTs Installed Above Clay Layer

BTEX and 12 SVOCs were identified as SRCs in perched groundwater above the clay layer underlying the SWMU 27F site. The SVOCs were 1,1-biphenyl; 2,4-dimethylphenol; 2-methylnaphthalene;

acenaphthene; anthracene; bis(2-ethylhexyl)phthalate; carbazole; diethyl phthalate; fluorene; naphthalene; phenanthrene; and phenol. The results of the SRC evaluation of the groundwater data from the DPT locations are summarized in Table 9 and are discussed below.

Benzene. Benzene was identified as a groundwater COC in the Addendum to the Phase II RFI Report (SAIC 2001) and the CAP (SAIC 2004). An RL of 5 μg/L was established in the Phase II RFI. Benzene contaminants in the perched groundwater above the clay layer exceed the RL established for the underlying surficial groundwater. The impact of benzene concentrations in the perched water on the surficial groundwater will continue to monitored by the groundwater network established at SWMU 27F. Benzene concentrations continue to exceed the RL at three monitoring well locations monitoring the surficial groundwater and will continue to be remediated under the corrective action proposed in the CAP (SAIC 2004).

Ethylbenzene. Ethylbenzene was detected above the maximum concentration detected in the Phase II RFI; however, the ethylbenzene concentration was below the EPA Region 9 PRG (130 μg/L); therefore, no further evaluation is required.

Toluene. Toluene was not previously detected in the surficial groundwater. Toluene was detected above its Region 9 PRG for tap water (72 μg/L). The potential impact of toluene in the perched groundwater above the clay layer on the underlying surficial groundwater will continue to monitored by the groundwater network established at SWMU 27F. Toluene is not a current COC in the surficial groundwater at SWMU 27F.

Total Xylenes. Total xylenes were detected (166 μg/L) above the maximum concentration detected in the Phase II RFI (38.5 μg/L) and EPA Region 9 PRG for tap water (21 μg/L). The potential impact of total xylenes in the perched groundwater above the clay layer on the surficial groundwater will continue to monitored by the groundwater network established at SWMU 27F. Total xylenes are not a current COC in the surficial groundwater at SWMU 27F.

1,1-Biphenyl. 1,1-Biphenyl was not previously detected in groundwater. 1,1-Biphenyl was detected (3.81 μg/L) below its Region 9 PRG for tap water (30 μg/L); therefore, no further evaluation is required.

2,4-Dimethylphenol. 2,4-Dimethylphenol was not previously detected in groundwater. 2,4-Dimethylphenol was detected (5.21 μg/L) below its Region 9 PRG for tap water (73 μg/L); therefore, no further evaluation is required.

2-Methylnaphthalene. 2-Methylnaphthalene was not identified as a groundwater COC in the revised final Addendum to the Phase II RFI Report (SAIC 2001); however, 2-methylnaphthalene was identified as a COPC but was dismissed during the baseline human health risk assessment (BHHRA) because the calculated risk for a concentration of 31.9 μg/L was below the HI of 0.1 for the following receptors: future on- and off-site installation worker, resident child or resident adult, and future on-site trespasser juvenile (SAIC 2001). The maximum concentration (60.8 μg/L) detected in the perched groundwater is approximately double this concentration. 2-Methylnaphthalene is detected sporadically and at low concentrations in the surficial groundwater; however, it is not a currently a COC in the surficial groundwater at SWMU 27F. The impact of 2-methylnaphthalene in the perched groundwater above the clay layer on the surficial groundwater will continue to be monitored by the groundwater network established at SWMU 27F.

Table 9. Evaluation of Site-Related Constituents in Perched Groundwater Above the Clay Layer, SWMU 27F, Northwest of Building 1340

Analyte	Maximum Detect from RFI	Maximum Detect 2008	Station at Maximum Detect 2008	EPA Region 9 PRG Tap Water	Maximum Detect >PRG	Present Remedial Level	New COC?	Justification
Volatile Organic Compounds (μg/L)								
Benzene	61	441	SB-31	0.35	Yes	5	No	Remedial level exists. Continue remediation proposed in CAP
Ethylbenzene	7	54.3	SB-31	130	No	None [a]	No	Concentration above previous maximum from RFI; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further evaluation is required
Toluene	ND	98.1	SB-31	72	No	None	No	Concentration above previous maximum and EPA Region 9 PRG. Groundwater in surficial aquifer will be monitored as part of corrective action
Xylenes, Total	38.5	166	SB-31	21	No	None [a]	No	Concentration above previous maximum from RFI and EPA Region 9 PRG. Groundwater in surficial aquifer will be monitored as part of corrective action
Semivolatile Organic Compounds (μg/L)								
1,1-Biphenyl	ND	3.81	SB-21	30	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
2,4-Dimethylphenyl	ND	5.21	SB-31	73	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
2-Methylnaphthalene	31.9	60.9	SB-31	0.62	Yes	None [a]	No	Concentration above previous maximum from RFI. Groundwater in surficial aquifer will be monitored as part of corrective action
Acenaphthene	ND	5.55	SB-26	37	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
Anthracene	ND	0.413	SB-31	180	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required

Table 9. Evaluation of Site-Related Constituents in Perched Groundwater Above the Clay Layer, SWMU 27F, Northwest of Building 1340 (continued)

Analyte	Maximum Detect from RFI	Maximum Detect 2008	Station at Maximum Detect 2008	EPA Region 9 PRG Tap Water	Maximum Detect >PRG	Present Remedial Level	New COC?	Justification
Bis(2-ethylhexyl)phthalate	ND	5.26	SB-29	4.8	Yes	None	No	Concentration above previous maximum and slightly exceeds EPA Region 9 PRG. Groundwater in surficial aquifer will be monitored as part of corrective action
Carbazole	5.7	16	SB-31	3.4	Yes	34.9	No	Concentration above previous maximum; however, concentration does not exceed remedial level established in the RFI. Therefore, no further action required
Diethyl phthalate	ND	3.01	SB-17	2,900	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
Fluorene	2.1	3.61	SB-31	24	No	None [a]	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
Naphthalene	37.2	86.2	SB-31	0.62	Yes	None [a]	No	Concentration above previous maximum and exceeds EPA Region 9 PRG. Groundwater in surficial aquifer will be monitored as part of corrective action
Phenanthrene	ND	3.89	SB-31	18	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
Phenol	ND	1.41	SB-28	1,100	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required

[a] No remedial level was established in the Phase II RFI because the human health baseline risk assessment indicated that the calculated risk was below the incremental lifetime cancer risk of 1×10^{-6} and the hazard index of 1.0; therefore, the constituent was not a risk driver and was dismissed.

CAP = Corrective Action Plan.
COC = Constituent of concern.
EPA = U. S. Environmental Protection Agency.
ND = Not detected.
PRG = Preliminary remediation goal.
RFI = Resource Conservation and Recovery Act (RCRA) facility investigation.
SWMU = Solid waste management unit.

Acenaphthene. Acenaphthene was not previously detected in groundwater. Acenaphthene was detected (5.55 μg/L) below its Region 9 PRG for tap water (37 μg/L); therefore, no further evaluation is required.

Anthracene. Anthracene was not previously detected in groundwater. Anthracene was detected (0.413 μg/L) below its Region 9 PRG for tap water (180 μg/L); therefore, no further evaluation is required.

Bis(2-ethylhexyl)phthalate. Bis(2-ethylhexyl)phthalate was detected in groundwater during the Phase II RFI (November 1999) and identified as a HHCOC in the Phase II RFI (SAIC 2001). However, it was believed to be due to field sampling (particulates in groundwater) or analytical laboratory contamination. Bis(2-ethylhexyl)phthalate was not detected in subsequent sampling rounds and was eliminated as a COC in groundwater during supplemental sampling for the CAP (SAIC 2004). Bis(2-ethylhexyl)phthalate was detected in the groundwater collected from DPT at a concentration (5.26 μg/L) slightly above its EPA Region 9 PRG (4.8 μg/L). The impact of bis(2-ethylhexyl)phthalate in the perched groundwater above the clay layer on the surficial groundwater will continue to monitored by the groundwater network established at SWMU 27F.

Carbazole. Carbazole was identified as a groundwater COC in the revised final Addendum to the Phase II RFI Report (SAIC 2001) and in the CAP (SAIC 2002). An RL of 34.9 μg/L was derived. The maximum estimated concentration of carbazole (16 μg/L) was below the established RL of 34.9 μg/L; therefore, no further evaluation is required.

Fluorene. Fluorene was detected below the previous MDC during the Phase II RI. Fluorene was detected at 3.61 μg/L, which is an order of magnitude below the EPA Region 9 PRG for tap water (24 μg/L); therefore, no further evaluation is required.

Naphthalene. Naphthalene was not identified as a groundwater COC in the revised final Addendum to the Phase II RFI Report (SAIC 2001) or the CAP (SAIC 2004); however, it was identified as a COPC but dismissed during the BHHRA because the calculated risk for a concentration of 37.2 μg/L was below the HI of 0.1 for the following receptors: future on- and off-site installation worker, resident child or resident adult, and future on-site trespasser juvenile (SAIC 2001). Naphthalene does not represent a carcinogenic risk. The maximum detection (86.2 μg/L) of naphthalene in the perched groundwater is approximately double the calculated risk concentration (37.2 μg/L). Naphthalene is detected sporadically and at low concentrations in the surficial groundwater; however, it is not a currently a COC in the surficial groundwater at SWMU 27F. The potential impact of naphthalene in the perched groundwater above the clay layer on the surficial groundwater will continue to monitored by the groundwater network established at SWMU 27F.

Phenanthrene. Phenanthrene was not previously detected in groundwater. Phenanthrene was detected (3.89 μg/L) below its Region 9 PRG for tap water (18 μg/L); therefore, no further evaluation is required.

Phenol. Phenol was not previously detected in groundwater. Phenol was detected (1.41 μg/L) below its Region 9 PRG for tap water (1,100 μg/L); therefore, no further evaluation is required.

Toluene, total xylenes, bis(2-ethylhexylphthalate), 2-methylnaphthalene, and naphthalene have been detected above previous maximum concentrations and/or EPA Region 9 PRGs for tap water. The impact of these contaminants located in the perched groundwater on the surficial groundwater will continue to be monitored under the current groundwater monitoring program in accordance with the CAP for SWMU 27F.

2.8.2 Groundwater Data from Monitoring Wells (April 2008)

SRCs in groundwater from the April/May 2008 sampling event included seven VOCs and seven SVOCs. The VOCs were 1,2-DCE; 2-butanone; acetone; benzene; ethylbenzene; toluene; and total xylenes. The SVOCs were 2-methylnaphthalene, acenaphthene, anthracene, carbazole, fluorene, naphthalene, and phenanthrene. The results of the SRC evaluation of the groundwater data from the monitoring wells are summarized in Table 10 and are discussed below.

Acetone. Acetone was not previously detected in groundwater. Acetone was detected (2.82 μg/L) below its Region 9 PRG for tap water (550 μg/L); therefore, no further evaluation is required.

Benzene. Benzene was identified as a groundwater COC in the revised final Addendum to the Phase II RFI Report (SAIC 2001) and the CAP (SAIC 2004). An RL of 5 μg/L was established in the Phase II RFI. Benzene concentrations continue to exceed the RL at three monitoring well locations monitoring the surficial groundwater and will continue to be remediated under the corrective action proposed in the CAP (SAIC 2004).

2-Butanone. 2-Butanone was not previously detected in groundwater. 2-Butanone was detected (2.58 μg/L) below its Region 9 PRG for tap water (700 μg/L); therefore, no further evaluation is required.

Ethylbenzene. Ethylbenzene was detected (1.75 μg/L) below the maximum concentration detected in the Phase II RFI (7 μg/L) and the EPA Region 9 PRG for tap water (130 μg/L); therefore, no further evaluation is required.

Toluene. Toluene was not previously detected in groundwater. Toluene was detected (1.68 μg/L) below its Region 9 PRG for tap water (72 μg/L); therefore, no further evaluation is required.

Total Xylenes. Total xylenes were detected (7.52 μg/L) below the maximum concentration detected in the Phase II RFI (38.5 μg/L) and EPA Region 9 PRG for tap water (21 μg/L); therefore, no further evaluation is required.

1,2-DCE. 1,2-DCE was not previously detected in groundwater. 1,2-DCE was detected (2.16 μg/L) below its Region 9 PRG for tap water (6.1 μg/L); therefore, no further evaluation is required.

2-Methylnaphthalene. 2-Methylnaphthalene was not identified as a groundwater COC in the revised final Addendum to the Phase II RFI Report (SAIC 2001); however, 2-methylnaphthalene was identified as a COPC but was dismissed during the BHHRA because the calculated risk for a concentration of 31.9 μg/L was below the HI of 0.1 for the following receptors: future on- and off-site installation worker, resident child or resident adult, and future on-site trespasser juvenile (SAIC 2001). The maximum concentration (7.8 μg/L) detected in April 2008 is an order of magnitude below this concentration. 2-Methylnaphthalene does not represent a carcinogenic risk. During the April 2008 sampling, the maximum detection of 2-methynaphthalene (7.8 μg/L) was an order of magnitude below the maximum concentration (31.9 μg/L) detected in the Phase II RFI; therefore, no further evaluation is required. The concentration of 2-methylnaphthalene will continue to be monitored under the corrective action proposed in the CAP.

Acenaphthene. Acenaphthene was not previously detected in groundwater. Acenaphthene was detected (1 μg/L) an order of magnitude below its Region 9 PRG for tap water (37 μg/L); therefore, no further evaluation is required.

Table 10. Evaluation of Site-Related Constituents in Surficial Groundwater from Monitoring Wells, SWMU 27F, Northwest of Building 1340

Analyte	Maximum Detect from RFI	Maximum Detect 2008	Station at Maximum Detect 2008	EPA Region 9 PRG Tap Water	Maximum Detect >PRG	Present Remedial Level	New COC?	Justification
Volatile Organic Compounds (µg/L)								
Acetone	ND	2.82	MW15	550	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
Benzene	61	43.8	MW14	0.35	Yes	5	No	Remedial level exists. Continue remediation proposed in CAP
2-Butanone	ND	2.58	MW15	700	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
Ethylbenzene	7	1.75	MW10	130	No	None [a]	No	Concentration below previous maximum from RFI; therefore, no further evaluation is required
Toluene	ND	1.68	MW7	72	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
Xylenes, Total	38.5	7.52	MW14	21	No	None [a]	No	Concentration below previous maximum from RFI and EPA Region 9 PRG; therefore, no further evaluation is required
1,2-DCE	ND	2.16	MW10	6.1	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
Semivolatile Organic Compounds (µg/L)								
2-Methylnaphthalene	31.9	7.8	MW14	0.62	Yes	None [a]	No	Concentration below previous maximum from RFI. Groundwater will be monitored as part of corrective action
Acenaphthene	ND	1	MW14	37	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
Anthracene	ND	0.216	MW14	180	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required

Table 10. Evaluation of Site-Related Constituents in Surficial Groundwater from Monitoring Wells, SWMU 27F, Northwest of Building 1340 (continued)

Analyte	Maximum Detect from RFI	Maximum Detect 2008	Station at Maximum Detect 2008	EPA Region 9 PRG Tap Water	Maximum Detect >PRG	Present Remedial Level	New COC?	Justification
Carbazole	5.7	3.63	MW14	3.4	Yes	34.9	No	Concentration below previous maximum and remedial level established in the RFI. Therefore, no further action required
Fluorene	2.1	2.43	MW14	24	No	None [a]	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required
Naphthalene	37.2	26	MW14	0.62	Yes	None [a]	No	Concentration below previous maximum. Groundwater will be monitored as part of corrective action
Phenanthrene	ND	2.71	MW14	18	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 9 PRG. Therefore, no further action required

[a] No remedial level was established in the Phase II RFI because the human health baseline risk assessment indicated that the calculated risk was below the incremental lifetime cancer risk of 1×10^{-6} and the hazard index of 1.0; therefore, the constituent was not a risk driver and was dismissed.

CAP = Corrective Action Plan.
COC = Constituent of concern.
DCE = Dichloroethene.
EPA = U. S. Environmental Protection Agency.
ND = Not detected.
PRG = Preliminary remediation goal.
RFI = Resource Conservation and Recovery Act (RCRA) facility investigation.
SWMU = Solid waste management unit.

Anthracene. Anthracene was not previously detected in groundwater. Anthracene was detected (0.216 μg/L) four orders of magnitude below its Region 9 PRG for tap water (180 μg/L); therefore, no further evaluation is required.

Carbazole. Carbazole was identified as a groundwater COC in the revised final Addendum to the Phase II RFI Report (SAIC 2001) and in the CAP (SAIC 2002). An RL of 34.9 μg/L was derived. The maximum estimated concentration of carbazole (3.63J μg/L) was below the established RL of 34.9 μg/L and the MDC in the RFI (5.7 μg/L); therefore, the corrective action for carbazole has been achieved.

Fluorene. Fluorene was detected below the previous MDC (2.1 μg/L) during the Phase II RI. Fluorene was detected at 2.43 μg/L in April 2008, which is an order of magnitude below the EPA Region 9 PRG for tap water (24 μg/L); therefore, no further evaluation is required.

Naphthalene. Naphthalene was not identified as a groundwater COC in the revised final Addendum to the Phase II RFI Report (SAIC 2001) or the CAP (SAIC 2004); however, it was identified as a COPC but dismissed during the BHHRA because the calculated risk for a concentration of 37.2 μg/L was below the HI of 0.1 for the following receptors: future on- and off-site installation worker, resident child or resident adult, and future on-site trespasser juvenile (SAIC 2001). Naphthalene does not represent a carcinogenic risk. During the April/May 2008 sampling, the maximum detection (26 μg/L) of naphthalene was below the concentration (37.2 μg/L) during the Phase II RFI: therefore, no further evaluation is required. The concentration of naphthalene will continue to be monitored under the corrective action proposed in the CAP.

Phenanthrene. Phenanthrene was not previously detected in groundwater. Phenanthrene was detected (2.71 μg/L) below its Region 9 PRG for tap water (18 μg/L); therefore, no further evaluation is required.

2.8.3 Resolution of COPCs Detected in Groundwater Collected in CY 2007

In accordance with the protocol and decision flowchart approved by GA EPD for evaluating SRCs identified in groundwater collected after the establishment of RLs through either an RFI report and/or a CAP (Appendix A), newly or sporadically detected SRCs in groundwater must be confirmed by subsequent annual sampling before they are identified as new COPCs requiring the development of an RL and treatment to below that RL as successful completion of the corrective action. One contaminant, bis(2-ethylhexyl)phthalate, was identified in the groundwater sampling of CY 2007 as a potential new COPC in which continued detections above the previous maximum concentrations (RFI or CAP) or EPA Region 9 tap water PRG may require the development of an RL and subsequent corrective action. Bis(2-ethylhexyl)phthalate was not detected during the April/May 2008 groundwater sampling; therefore, in accordance with the protocol (Appendix A), the detection of bis(2-ethylhexyl)phthalate was not confirmed; thus, it is not a new COPC requiring the development of an RL and subsequent corrective action.

It should be noted that a full suite for VOCs and SVOCs is analyzed as part of the monitoring program for the natural attenuation alternative; therefore, any sporadically detected potential COPCs are continually monitored as part of the corrective action.

3.0 UPDATE OF THE FATE AND TRANSPORT MODEL

F&T modeling was used to evaluate MNA as the selected remedial alternative for soil and groundwater contamination for the CAP at SWMU 27F; the original sampling data used in the F&T analysis were analytical data obtained up to January 2001. During the performance of the corrective action and in accordance with the CAP (SAIC 2004), the F&T model has been updated after the collection of each performance groundwater monitoring event as reported in the CAP Progress Reports for CY 2002 (SAIC 2005b), CY 2004 (SAIC 2006), and CY 2007 (SAIC 2007b). In this Progress Report, the F&T model is being revised using analytical data obtained from the perched groundwater collected from the shallow soil borings (July 2007 and January 2008) installed to the top of the clay layer located at approximately 10 to 12 ft BGS and from 14 monitoring wells screened in the surficial groundwater (April/May 2008).

As discussed in Chapter 2, petroleum contaminants were identified in both the perched groundwater and the surficial groundwater at SWMU 27F. BTEX and the following 12 SVOCs were identified as SRCs in the perched groundwater: 1,1-biphenyl; 2,4-dimethylphenol; 2-methylnapthalene; acenaphthene; anthracene; bis2-ethylhexylphthalate; carbazole; diethyl phthalate; fluorene; naphthalene; phenanthrene; and phenol. SRCs in surficial groundwater from the CY 2008 sampling event included seven VOCs and seven SVOCs. The VOCs were 1,2-DCE; 2-butanone; acetone; benzene; ethylbenzene; toluene; and total xylenes; The SVOCs were 2-methylnaphthalene, acenaphthene, anthracene, carbazole, fluorene, naphthalene, and phenanthrene.

Of these, only benzene, 2-methylnaphthalene, and naphthalene were considered to be of potential concern. Benzene is a COC with an established RL of 5 μg/L. Benzene has been the primary constituent modeled because it is the most mobile of the contaminants at SWMU 27F. 2-Methylnaphthalene and naphthalene have been detected slightly above concentrations detected in the RFI but at concentrations that are not statistically different than the maximum detect from the RFI. Therefore, the modeling was only updated for benzene, the primary COC in the groundwater and the most mobile. The maximum concentration of benzene detected in the perched groundwater was 441 μg/L at SB-31. The maximum concentration of benzene detected in the surficial groundwater was 43.8 μg/L at MW14. The contaminants in the perched groundwater represent a source of contamination to the underlying surficial groundwater aquifer. The perched groundwater is separated from the surficial groundwater by a thin layer of clay located at approximately 10 to 12 ft BGS, which inhibits the direct contact to this perched source. However, the perched contaminants continue to impact the underlying surficial groundwater through slow continuous leaching of low levels of contamination. The following F&T model evaluates both the perched groundwater and surficial groundwater and quantifies the impact that perched groundwater (source) has on the underlying surficial groundwater.

Table 11 presents a summary of the inputs for both the previous (CYs 2002, 2004, and 2007) and the current (CY 2008) modeling for benzene in groundwater. The groundwater results for benzene from CY 2008 were used to validate and/or update the transport model, as discussed below.

Based on the CY 2007 transport model, the Analytical Transient 1-, 2-, 3-Dimensional (AT123D) model (GSC 1998; Yeh 1981) predicted the concentration of benzene in the surficial aquifer to be 44 μg/L (Figure 13), which was similar to the observed value of 43.8 μg/L in CY 2008; therefore, the AT123D model was still applicable and a revision was not necessary. The conclusions derived from the 2007 F&T model are applicable to the site. Such as benzene migration from SWMU 27F will not be of concern at the

Table 11. Summary of Input Parameters Used for AT123D Modeling of Benzene, SWMU 27F, Northwest of Building 1340

Parameter	CY 2002	CY 2004	CY 2007	CY 2008
Release rate (mg/hr)	Variable (1.7 to 4.9)	Variable (0 to 7.5)	Variable (0 to 3.1)	Variable (0 to 3.1)
Plume size (m × m)	10 × 6	17 × 6	15 × 3	15 × 3
Bulk density (g/cc)	1.69	1.69	1.69	1.69
Effective porosity (%)	20	20	20	20
Hydraulic conductivity (m/hr)	0.055	0.055	0.055	0.055
Hydraulic gradient (m/m)	0.0054	0.00184	0.00073	0.001
Kd (L/kg)	0.5589	0.5589	0.5589	0.5589
Longitudinal dispersivity (m)	10	15	10	10
Transverse dispersivity (m)	3	5	5	5
Vertical dispersivity (m)	1	1.5	1	1
Molecular diffusion (m^2/hr)	3.53E-06	3.53E-06	3.53E-06	3.53E-06
Biodegradation rate (hr^{-1})	4.01E-05	4.01E-05	4.01E-05	4.01E-05

AT123D = Analytical Transient 1-, 2-, 3-Dimensional (model).
CY = Calendar year.
SWMU = Solid waste management unit.

nearest receptor location (man-made drainage ditch, approximately 450 ft southwest of the site), the benzene concentration is not expected to ever exceed its RL (MCL) beyond 50 ft downgradient from MW14 (Figure 13 and Table 12).

In addition to updating the natural attenuation model and estimating the cleanup times for the surficial groundwater, the natural attenuation and cleanup times were also determined for the perched groundwater because of its potential impact on the underlying surficial groundwater. For evaluating the groundwater concentrations in the shallow perched groundwater, the attenuation rate for benzene was computed using a dispersion model approach (Buscheck and Alacantar 1995). This method was developed for dissolved BTEX compounds. The dispersion model approach assumes that the plume is at steady-state conditions (i.e., the plume is not expanding or contracting with time) and that the equation describes the exponential decrease in solute concentrations away from a constant source. The decrease is assumed to be proportional to groundwater velocity, the coefficient of hydrodynamic dispersion, and the biodegradation rate constant. This solution does not take into account transverse dispersion. The seepage velocity of groundwater was estimated by applying a modification of Darcy's equation, and the coefficient of hydrodynamic dispersion was estimated from the scale of the plume. The biodegradation rate constant (λ) was estimated by curve-fitting to field data. The attenuation rate for benzene in the shallow aquifer was estimated to be 1.76E-04 day^{-1}. The MNA cleanup time for benzene was then estimated assuming first-order degradation kinetics and using the estimated attenuation rate. As shown in Tables 13 and 14, it is expected to take approximately 70 years for benzene to naturally attenuate to its MCL in the perched groundwater.

It should be noted here that the presence of benzene in the perched groundwater will continue to bleed into the underlying surficial aquifer, thereby contaminating the deeper aquifer for a long period of time. To evaluate the impact of this contamination, a time-dependent (concentration trend analysis) attenuation rate constant was determined based on the benzene concentration data over time from the well with the maximum concentration (MW-14), assuming first-order degradation kinetics. Sampling events conducted between January 2001 and 2008 were used for rate calculations. The attenuation rate for benzene in the shallow surficial aquifer was estimated to be 1.2E-04 day^{-1}. The MNA cleanup time for benzene was then

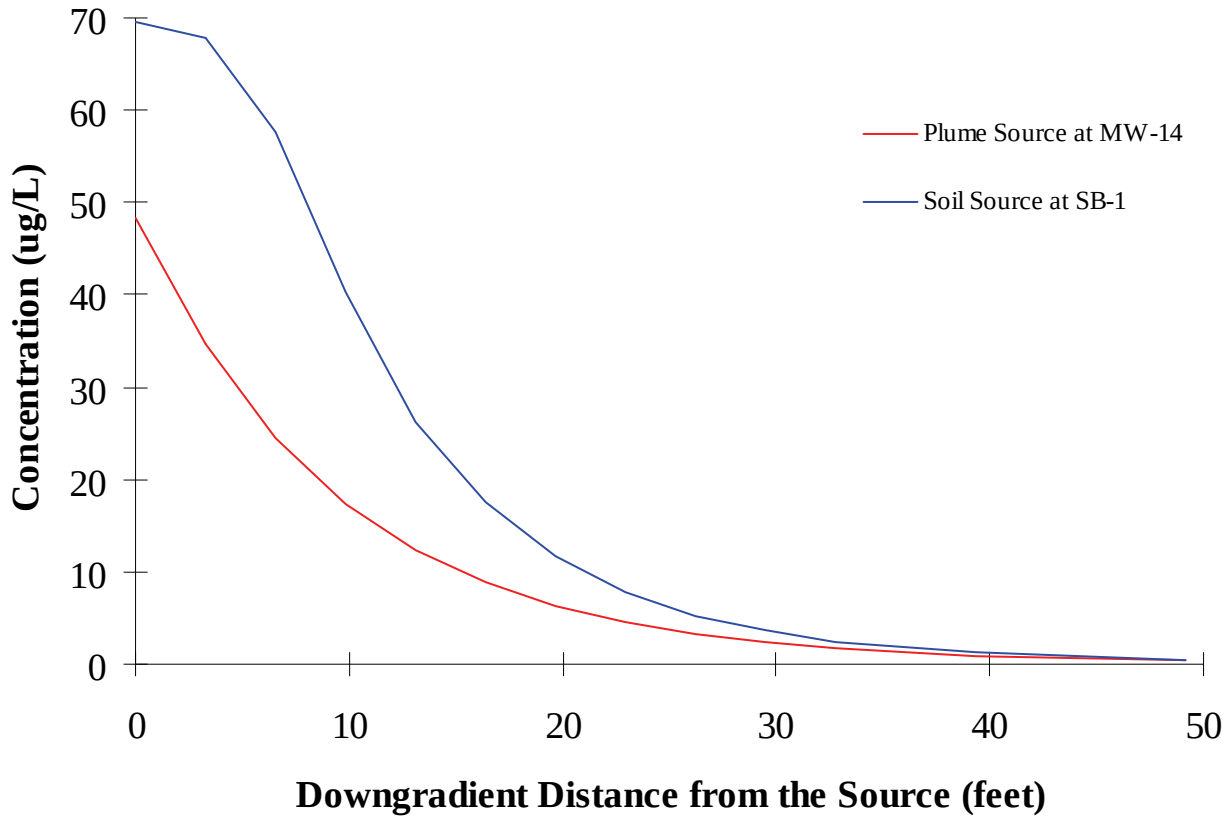

Figure 13. Modeled Concentration of Benzene in the Groundwater versus Downgradient Distance from the Sources (Soil Contamination at SB1 and Groundwater Plume Source Near MW14), SWMU 27F, Northwest of Building 1340

Table 12. Dilution Attenuation Factors, SWMU 27F, Northwest of Building 1340

Distance to Receptor (ft)	Predicted Maximum Concentration of Benzene in Groundwater		Dilution Attenuation Factor	
	Soil Source (µg/L)	Plume Source (µg/L)	Soil Source (µg/L)	Plume Source (µg/L)
0	69.5	48.40	1.00	1.00
3	67.9	34.60	1.02	1.40
7	57.7	24.40	1.20	1.98
10	40.3	17.30	1.72	2.80
13	26.3	12.30	2.64	3.93
16	17.6	8.80	3.95	5.50
20	11.8	6.30	5.89	7.68
23	7.9	4.60	8.82	10.52
26	5.3	3.3	13.24	14.67
30	3.6	2.4	19.41	20.17
33	2.5	1.8	28.37	26.89
39	1.2	1.0	57.92	49.90
49	0.4	0.4	172.89	121.00

SWMU = Solid waste management unit.

Table 13. Summary of Estimated Cleanup Time with MNA

Method	Attenuation Rate Constant (day^{-1})	Attenuation Half-life (days)	Attenuation Half-life (years)	Current Conc. (mg/L)	Target Conc. for Chemical (mg/L)	Estimated Cleanup Time (years)
Surficial Groundwater						
MNA: Buscheck and Alacantar 1995	1.20E-04	5,776	15.8	43.8	5	49.5
Surficial Groundwater with Complete Removal of Impact of Perched Water (i.e., source)						
AT123D Modeled [a]	9.63E-04	720	2.0	43.8	5	6.2
Perched Groundwater						
MNA: Buscheck and Alacantar 1995	1.76E-04	3,941	10.8	441	5	69.8

[a] Based on the complete removal of the source and assuming a literature-based biodegradation half-life of benzene.
AT123D = Analytical Transient 1-, 2-, 3-Dimensional (model).
Conc. = Concentration.
MNA = Monitored natural attenuation.
Reference: Buscheck, T.E. and C.M. Alacantar 1995. *Regression Techniques and Analytical Solutions to Demonstrate Intrinsic Bioremediation*, Hinchee, R.E., J.T. Wilson, D.C. Downey, eds., Battelle Press, 3(1).

Table 14. Summary of Results from Previous and Updated Modeling, SWMU 27F, Northwest of Building 1340

COPC	Initial Model (January 2001)		First Update of Model (September 2002)		Second Update of Model (August 2004)	
	Concern at Receptor?	Natural Attenuation Time	Concern at Receptor?	Natural Attenuation Time (Years from CY 2001)	Concern at Receptor?	Natural Attenuation Time (Years from CY 2001)
Benzene	No	6.5 years	No	8 years	No	9.5 years

COPC	Third Update of Model Groundwater (April 2007)		Third Update of Model Groundwater Based on Soil Concentration at SB1 (September 2005)	
	Concern at Receptor?	Natural Attenuation Time from April 2007	Concern at Receptor?	Natural Attenuation Time (Years from CY 2007)
Benzene	No	10.5 years	No	14 years

COPC	Fourth Update of Model Groundwater (April 2008)		Fourth Update of Model Groundwater from Perched Aquifer (Drive Point Samples) (January 2008)		
	Concern at Receptor?	Natural Attenuation Time from April 2008 (Perched Groundwater Removed)	Concern at Receptor?	Natural Attenuation time (Perched Groundwater)	Natural Attenuation time (Surficial Groundwater)
Benzene	No	6.5 years	No	70 years	50 years

COPC = Constituent of potential concern.
CY = Calendar year.
SWMU = Solid waste management unit.

estimated assuming first-order degradation kinetics and using the estimated attenuation rate. As shown in Table 13 and Figure 14, it is expected to take approximately 50 years for benzene to naturally attenuate to its MCL in the shallow surficial aquifer given the continual slow leaching from the contaminated perched groundwater located above. However, when the model was applied assuming complete removal of the source (i.e., shutting off the source loading), it predicted a natural attenuation time of approximately 6.5 years for the surficial groundwater to reach the benzene MCL (Figure 15).

A summary of the results of the F&T model, beginning with the baseline as presented in the CAP (SAIC 2004) and each subsequent update as presented in the CAP Progress Reports, is presented in Table 14. The nature and extent of the residual petroleum contamination above the clay layer is larger and its subsequent impact is greater than identified during the RFI, as shown in the higher natural attenuation times. The relatively consistent concentrations of contaminants in the surficial aquifer, as measured by the groundwater network, indicate that the system has essentially reached equilibrium with the contaminants migrating from the perched zone (source).

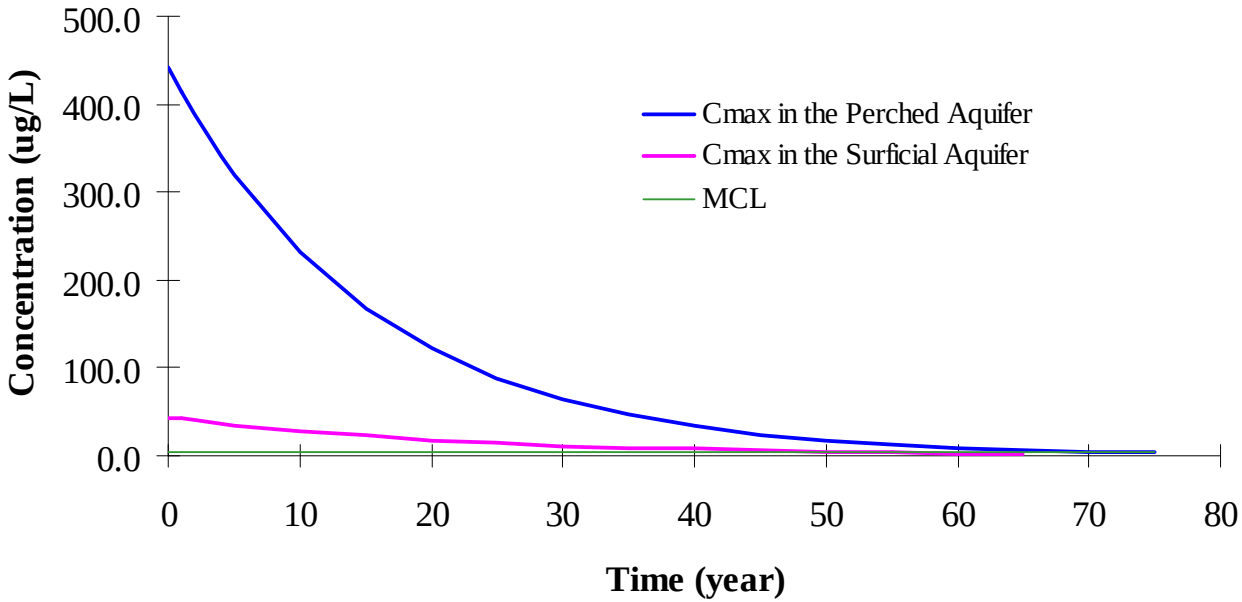

Figure 14. Predicted Concentration of Benzene in Groundwater Below the Source Using AT123D Modeling (Time 0 = January 2008), SWMU 27F

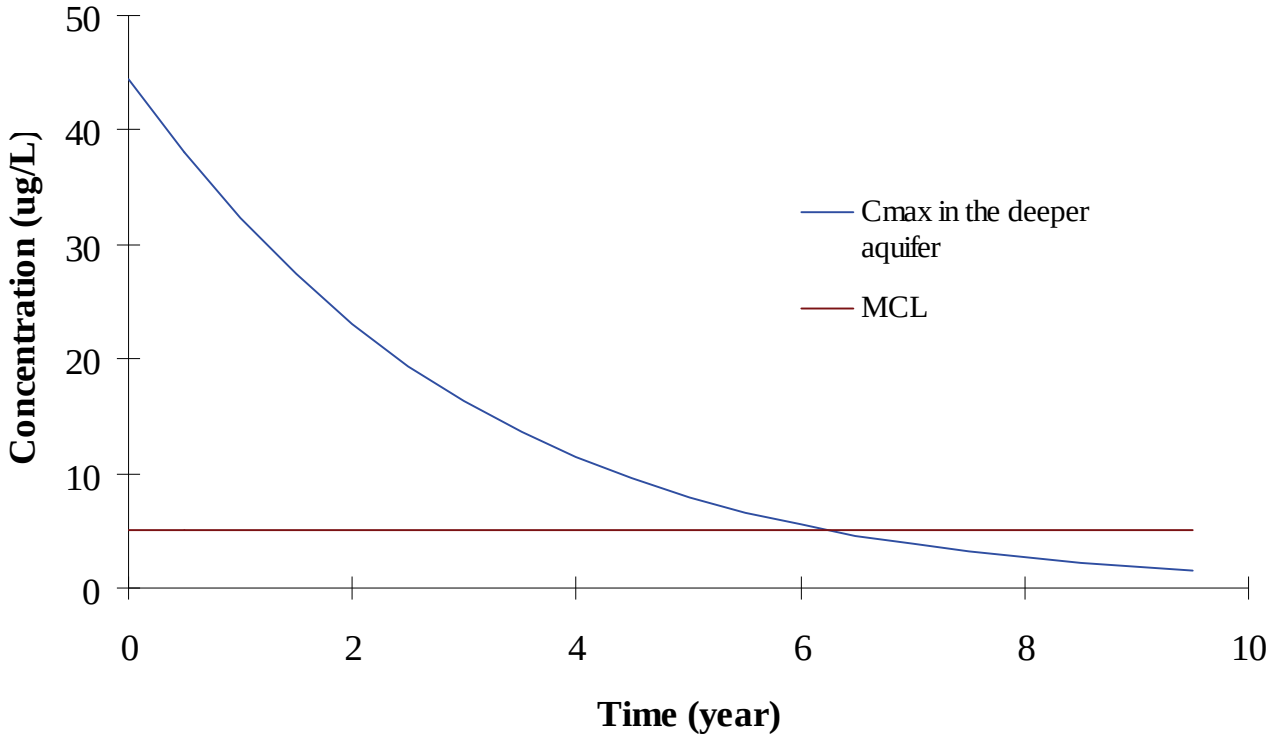

Figure 15. Predicted Concentration of Benzene in Groundwater Based on Removal of the Perched Water Source (Time 0 = April 2008), SWMU 27F

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4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

Soil and groundwater samples were collected from DPT locations in July 2007 and January 2008; two confirmatory surface soil samples and groundwater samples were collected from 14 monitoring wells in April/May 2008 in accordance with the selected remedial alternative recommended for SWMU 27F (SAIC 2004) and recommendations presented in CAP Progress Report for CY 2007 (SAIC 2007b). The conclusions below are presented by medium.

4.1.1 Subsurface Soil and Groundwater from Soil Borings

Thirty-eight subsurface soil samples were collected in July 2007 and January 2008 to evaluate the potential nature and extent of subsurface soil and groundwater contamination located above the clay layer located at approximately 10 to 12 ft BGS at SWMU 27F. Elevated concentrations of petroleum contaminants were detected or estimated in subsurface soil and perched groundwater. Benzene in subsurface soil was detected at three locations above the EPA Region 9 SSL (0.03 mg/kg), thus indicating benzene as a potential contaminant migration COPC. 2-Methylnapthalene was estimated or detected above its EPA Region 9 residential PRG, thus indicating the subsurface soil as a potential human health risk under a residential scenario. The SWMU 27F area is an abandoned covered maintenance pad located in an active military industrial area.

The benzene concentrations above EPA Region 9 SSLs indicate that soil may be a source of the continuing groundwater contamination at SWMU 27F. The soil contamination is prevented from migrating to surficial groundwater by the presence of a clay layer located at approximately 10 to 12 ft BGS. Figure 16 presents an updated cross-section running from northeast to southwest using the July 2007 and January 2008 soil borings. The cross-section indicates that the clay layer is continuous at SWMU 27F. The soil contamination is contained in the soil column between 6 to 12 ft BGS. The UST Closure Report did not indicate any soil contamination during the tank removal. The extent of subsurface soil contamination is believed to be either residual soil contamination remaining after the removal of the waste oil UST and its piping, or a waste oil release from the piping draining the inspection pits of the covered maintenance pad after the removal of the waste oil UST. The OWS and piping associated with the maintenance pad at SWMU 27F were evaluated in May 2007 using smoke testing, static water testing, and video inspection. Pipes having the potential to release contaminants to the environment were grouted and/or made unusable through engineering controls; therefore, these pipes should no longer be a potential source of contamination to soil and groundwater. The extent of the benzene contamination in the subsurface soil above the clay layer is presented in Figure 17.

Elevated concentrations of primarily petroleum contaminants were detected in perched groundwater located above the clay layer at SWMU 27F. Benzene, toluene, ethylbenzene 2-methylnaphthalene, and naphthalene were detected above EPA Region 9 PRGs for tap water. Benzene was detected at a maximum concentration of 441 μg/L in the perched groundwater. This maximum concentration is approximately ten times the benzene concentration being detected in the surficial groundwater located below the clay layer. The extent of the benzene contamination in the perched groundwater is presented in Figure 18.

Residual petroleum contaminants absorbed to the subsurface soil and perched groundwater represent a continual source of petroleum contaminants to the underlying surficial groundwater. These contaminants

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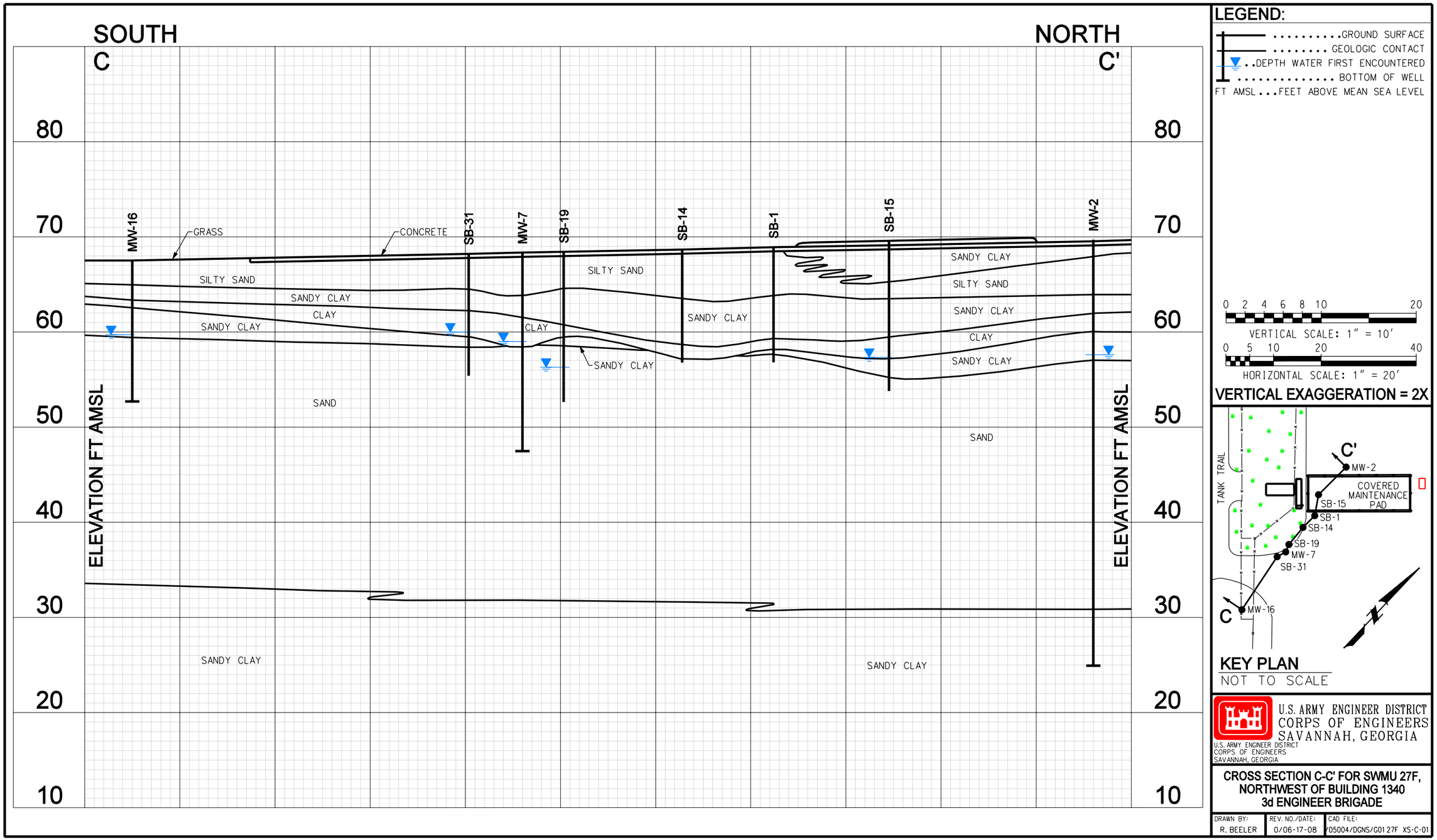

Figure 16. Updated Northeast to Southwest Cross Section of SWMU 27F, Northwest of Building 1340

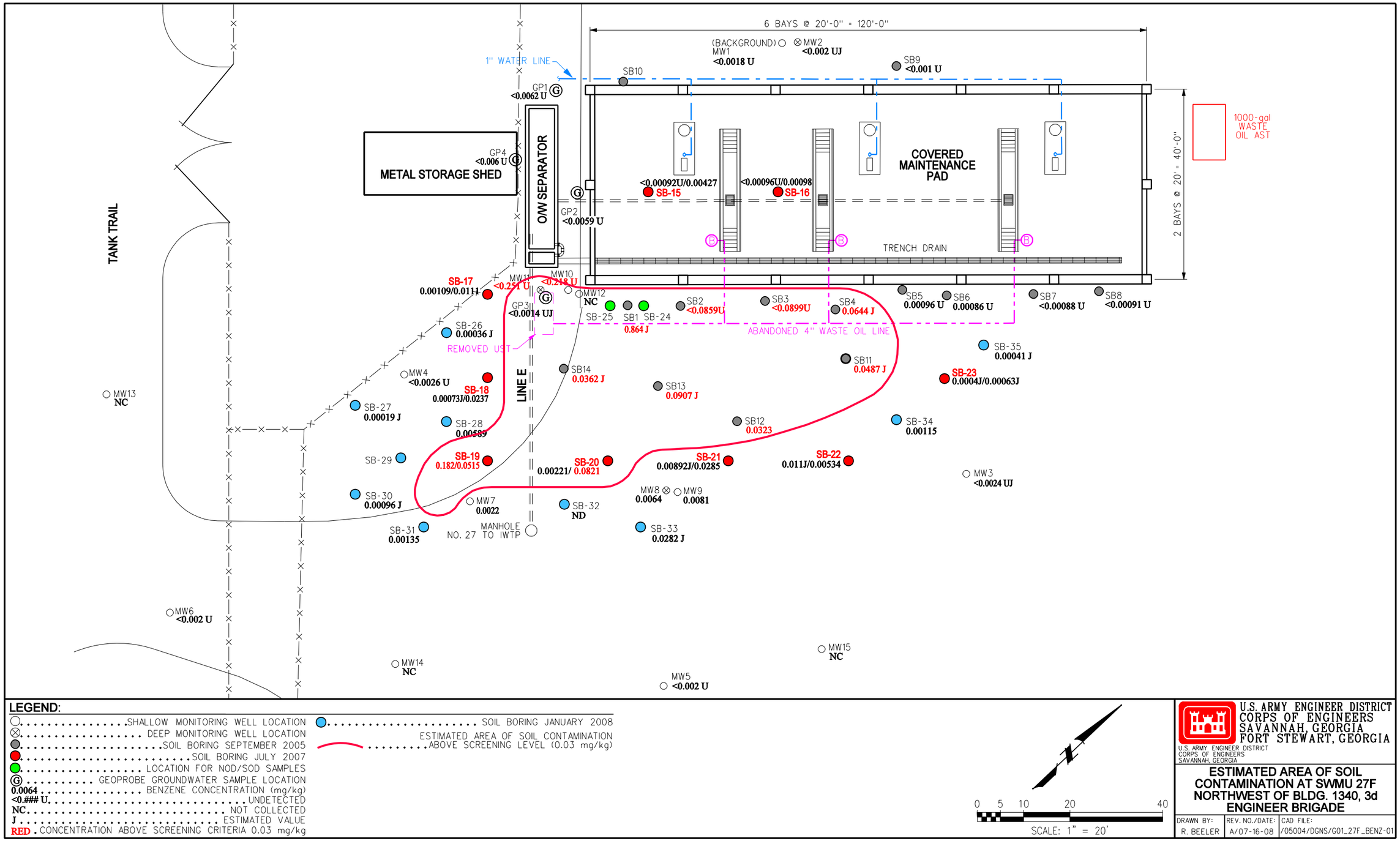

Figure 17. Estimated Area of Benzene Contamination in Subsurface Soil (Clay Layer), SWMU 27F, Northwest of Building 1340

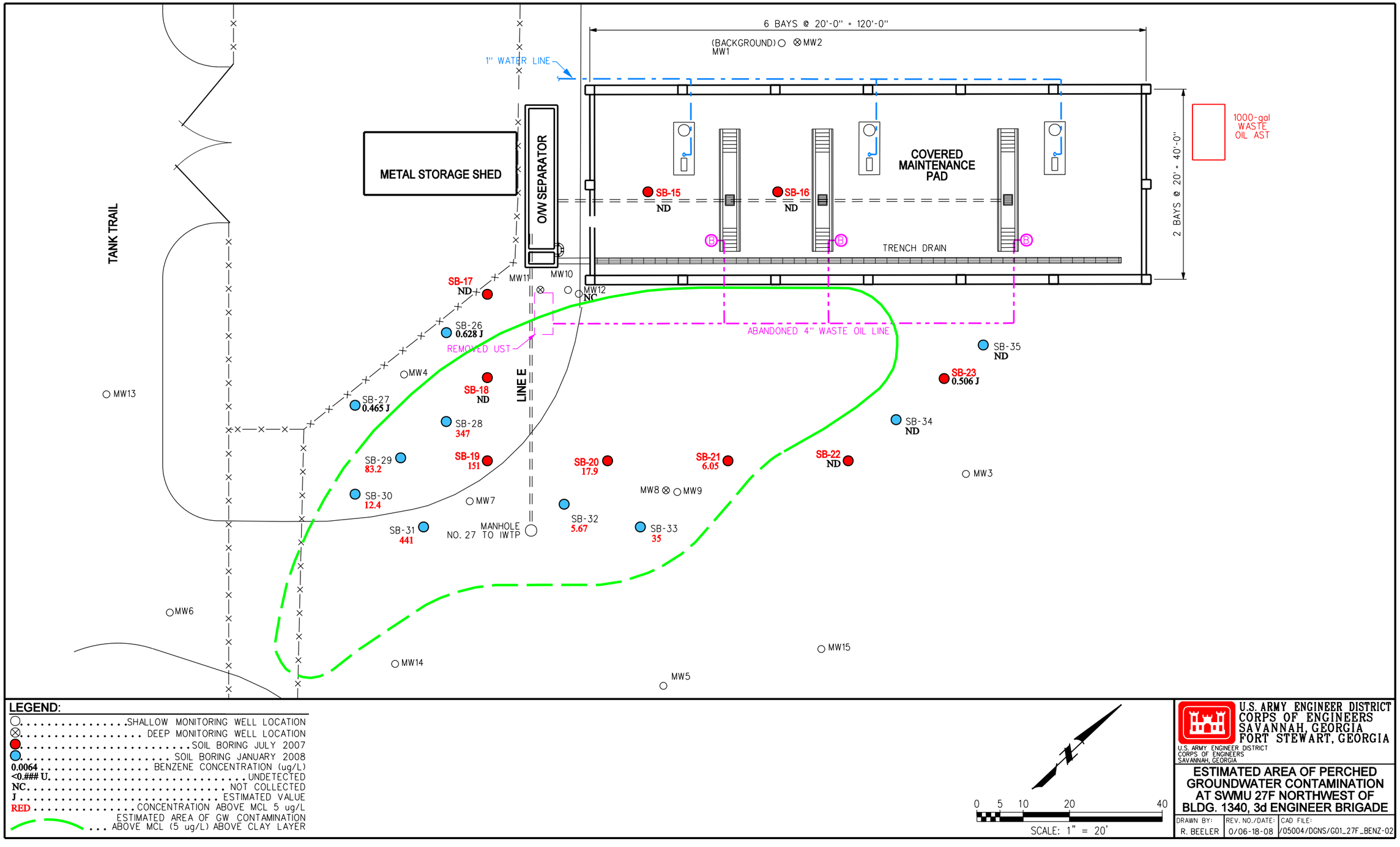

Figure 18. Estimated Area of Benzene Contamination in the Perched Groundwater Above the Clay Layer, SWMU 27F, Northwest of Building 1340

are leached from the soil through precipitation, infiltration, and dissolution. The clay layer located at approximately 10 to 12 ft BGS inhibits, but does not prevent, these contaminants from migrating to the underlying surficial groundwater.

The extent of subsurface soil and groundwater contamination above the clay layer has not been completely determined in the southwest direction of the SWMU 27F site.

4.1.2 Surface Soil

Four SVOCs, benzo(*a*)anthracene, benzo(*a*)pyrene, benzo(*b*)fluoranthene, and dibenzo(*a,h*)anthracene, were identified as COCs in surface soil based on human health risk during the Phase II RFI (SAIC 2000). Surface soil samples were collected in September 2002 to evaluate the performance of natural attenuation of SVOC COCs and the results were reported in the CAP Progress Report for CY 2002 (SAIC 2005b). The results indicated that the concentrations of these constituents were below their respective RLs established in the CAP (SAIC 2004). Two confirmatory surface soil samples were collected around MW10 to confirm that concentrations of SVOC COCs had remained below their respective RLs. Only two of the SVOC COCs were detected in the surface soil, benzo(*a*)pyrene and benzo(*b*)fluoranthene. Both of these SVOC COCs were detected below their respective EPA Region 9 PRGs, EPA Region 9 SSLs, and the RLs established for these COCs in the CAP. The RLs for surface soil have been achieved for SVOC COCs in surface soil at SWMU 27F; therefore, no further action is required for surface soil at SWMU 27F.

4.1.3 Groundwater Results for CY 2008

Constituents detected in groundwater during the CY 2008 groundwater sampling event included seven VOCs and seven SVOCs. The VOCs were 1,2-DCE; 2-butanone; acetone; benzene; ethylbenzene; toluene; and total xylenes. The SVOCs were 2-methylnaphthalene, acenaphthene, anthracene, carbazole, fluorene, naphthalene, and phenanthrene. Benzene and carbazole have established RLs developed in the Phase II RFI Report of 5 and 34.9 μg/L, respectively. The concentration of benzene remains above its RL; therefore, corrective action is not complete for benzene. The maximum concentration of carbazole (3.63 μg/L) was below its RL (34.9 μg/L) and the MDC in the RFI (5.7 μg/L); therefore, corrective action for this constituent is considered complete.

Of the remaining constituents, only two (2-methylnaphthalene, and naphthalene) were detected above Region 9 PRGs for tap water. 2-Methylnaphthalene and naphthalene continue to be sporadically detected at monitoring wells at levels slightly higher than the Region 9 PRGs for tap water; however, the concentrations were below the MDCs in the RFI that were determined not to represent a risk to human health.

Bis(2-ethylhexyl)phthalate, which was detected at a concentration above the previous maximum and slightly above the EPA Region 9 PRG for tap water during the CY 2007 groundwater sampling event, was not detected in the surficial groundwater; therefore, bis(2-ethylhexyl)phthalate is not a new COC requiring the development of an RL. The concentration of bis(2-ethylhexyl)phthalate will continue to be monitored during annual groundwater monitoring.

Table 15 presents the concentrations of benzene, carbazole, 2-methylnaphthalene, and naphthalene in shallow groundwater since 1999. Benzene and carbazole were selected because they are COCs in groundwater. 2-Methylnaphthalene and naphthalene were selected because they continue to be sporadically detected and at concentrations only slightly higher than the maximum concentration detected during the RFI and above the EPA Region 9 PRG for tap water. Table 15 indicates that benzene tends to be decreasing or staying relatively constant at low concentrations in most of the monitoring wells. Wells

Table 15. Concentrations of Benzene, Carbazole, 2-Methylnaphthalene, and Naphthalene in Shallow Groundwater Since 1999 at SWMU 27F, Northwest of Building 1340

Station	**Remedial Level**	**MW-01**	**MW-01**	**MW-01**	**MW-01**	**MW-01**	**MW-01**	**MW-02**	**MW-02**	**MW-03**	**MW-03**
Sample ID		**7J4171**	**7J4172**	**7J4173**	**7J4174**	**7J4178**	**7J4175**	**7J4272**	**7J4271**	**7J4372**	**7J4373**
Date		**11/02/99**	**01/05/01**	**09/19/02**	**08/19/04**	**04/22/07**	**04/29/08**	**01/06/01**	**11/03/99**	**01/05/01**	**09/20/02**
Benzene	5	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	<1 U	<1 U
2-Methylnaphthalene	None [a]	<10 UJ	<1 U	<1 U	<0.96 U	<1 U	<0.98 U	<1 U	<10.2 UJ	<1 U	<1 U
Carbazole	34.9	<10 UJ	<10 U	<10.4 U	<9.6 U	<1 U	<0.98 U	<10 U	<10.2 UJ	<10 U	<10.2 U
Naphthalene	None [a]	<10 UJ	<1 U	<1 U	<0.96 U	<1 U	<0.98 U	<1 U	<10.2 UJ	1 =	1 J

Station	**Remedial Level**	**MW-03**	**MW-03**	**MW-03**	**MW-03**	**MW-04**	**MW-04**	**MW-04**	**MW-04**	**MW-04**	**MW-04**
Sample ID		**7J4374**	**7J4378**	**7J4375**	**7J4371**	**7J4471**	**7J4472**	**7J4473**	**7J4474**	**7J4478**	**7J4475**
Date		**08/19/04**	**04/19/07**	**04/30/08**	**11/01/99**	**11/01/99**	**01/06/01**	**09/20/02**	**08/20/04**	**04/18/07**	**05/01/08**
Benzene	5	<1 U	<1 U	<1 U	<2 UJ	<2 UJ	1.5 =	0.53 J	<1 U	<1 U	<1 U
2-Methylnaphthalene	None [a]	<1.1 U	<0.952 UJ	<0.971 U	4.1 J	<10.2 UJ	15.6 =	33.4 =	33.3 =	0.741 J	0.735 J
Carbazole	34.9	<10.8 U	<0.952 UJ	<0.971 U	<11 UJ	<10.2 U	<10 U	1.2 J	<11.1 U	3.19 =	0.789 J
Naphthalene	None [a]	0.4 J	0.502 J	0.987 =	4.4 J	<10.2 UJ	11 =	15.5 =	11.8 =	3.11 =	6.92 =

Station	**Remedial Level**	**MW-05**	**MW-05**	**MW-05**	**MW-05**	**MW-05**	**MW-05**	**MW-06**	**MW-06**	**MW-06**	**MW-06**
Sample ID		**7J4571**	**7J4572**	**7J4573**	**7J4574**	**7J4578**	**7J4575**	**7J4671**	**7J4672**	**7J4673**	**7J4674**
Date		**11/02/99**	**01/05/01**	**09/19/02**	**08/19/04**	**04/19/07**	**04/29/08**	**11/01/99**	**01/07/01**	**09/20/02**	**08/19/04**
Benzene	5	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	<2 U	0.17 J	<1 U	<1 U
2-Methylnaphthalene	None [a]	<10 U	<1 U	<1 U	<1 U	0.819 J	<0.971 U	<10.2 U	<1 U	<1 U	<1.1 U
Carbazole	34.9	<10 U	<10 U	<10.5 U	<10.5 U	<0.952 U	<0.971 U	<10.2 U	<10 U	<10.1 U	<10.6 U
Naphthalene	None [a]	<10 U	<1 U	<1 U	1.4 =	6.03 =	3.02 =	<10.2 U	<1 U	0.16 J	1.6 =

Station	**Remedial Level**	**MW-06**	**MW-06**	**MW-07**	**MW-07**	**MW-07**	**MW-07**	**MW-07**	**MW-07**	**MW-08**	**MW-08**
Sample ID		**7J4678**	**7J4675**	**7J4771**	**7J4772**	**7J4773**	**7J4774**	**7J4778**	**7J4775**	**7J4871**	**7J4872**
Date		**04/20/07**	**04/29/08**	**11/01/99**	**01/06/01**	**09/19/02**	**08/20/04**	**04/18/07**	**04/30/08**	**11/03/99**	**01/08/01**
Benzene	5	<1 U	<1 U	<2 UJ	**31.4 =**	4.3 =	**12.2 =**	2.6 =	**7.24 =**	<2 U	<1 U
2-Methylnaphthalene	None [a]	<0.935 U	<0.962 U	<11.5 U	7.4 =	1.3 =	2.8 =	0.302 J	0.513 J	<10 U	<1 U
Carbazole	34.9	<0.935 U	<0.962 U	<11.5 U	<10 U	<10.6 U	0.78 J	<0.952 U	0.356 J	<10 U	<10 U
Naphthalene	None [a]	<0.935 U	0.338 J	<11.5 U	<1 U	1.4 =	3.7 =	0.42 J	1.83 =	<10 U	<1 U

Table 15. Concentrations of Benzene, Carbazole, 2-Methylnaphthalene, and Naphthalene in Shallow Groundwater Since 1999 at SWMU 27F, Northwest of Building 1340 (continued)

Station	Remedial Level	MW-09	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10
Sample ID		7J4971	7J4972	7J4973	7J4974	7J4978	7J4975	7J4A71	7J4A72	7J4A73	7J4A74
Date		11/02/99	01/05/01	09/19/02	08/19/04	04/18/07	04/29/08	11/01/99	01/07/01	09/23/02	08/20/04
Benzene	5	4.6 =	**5.8 =**	4.4 =	**16.4 =**	**6.35 =**	**7.35 =**	**8.5 =**	2.4 =	2.9 =	3.4 =
2-Methylnaphthalene	None [a]	<10.2 U	2.3 =	1.4 =	11.6 =	3.3 =	3.74 =	10.8 J	1.7 =	4.1 =	6.4 =
Carbazole	34.9	<10.2 U	<10 U	<10.5 U	2.6 J	3.56 =	1.33 =	<11 U	<10 U	<10.3 U	1.1 J
Naphthalene	None [a]	<10.2 U	3.6 =	3.2 =	19.8 =	6.53 =	6.88 =	6.4 J	1.2 =	2.6 =	4.6 =

Station	Remedial Level	MW-10	MW-10	MW-11	MW-11	MW-13	MW-13	MW-13	MW-13	MW-14	MW-14
Sample ID		7J4A78	7J4A75	7J4B71	7J4B72	7J4D71	7J4D72	7J4D78	7J4D75	7J4E71	7J4E72
Date		04/18/07	05/01/08	11/03/99	01/08/01	11/29/00	01/07/01	07/18/07	04/30/08	11/30/00	01/06/01
Benzene	5	2.08 =	1.57 =	<2 U	<1 U	<1 U	<1 U	<1 U	<1 U	**79.1 =**	**61 =**
2-Methylnaphthalene	None [a]	1.37 =	2.51 =	<10 U	<1 U	NR	<0.99 U	<0.99 U	<0.98 U	NR	31.9 =
Carbazole	34.9	<0.962 U	0.503 J	<10 U	<10 U	NR	<9.9 U	<0.99 U	<0.98 U	NR	5.7 J
Naphthalene	None [a]	1.47 =	3.05 =	<10 U	<1 U	NR	<0.99 U	<0.99 U	<0.98 U	NR	37.2 =

Station	Remedial Level	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
Sample ID		7J4E73	7J4E74	7J4E78	7J4E75	7J4F71	7J4F72	7J4F73	7J4F74	7J4F78	7J4F75
Date		09/19/02	08/20/04	04/20/07	04/30/08	11/29/00	01/06/01	09/19/02	08/20/04	04/22/07	04/30/08
Benzene	5	**57.3 =**	**42.9 =**	**48.4 =**	**43.8 =**	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
2-Methylnaphthalene	None [a]	32 =	25.5 =	5.49 =	7.8 =	NR	<0.98 U	<1 U	1.2 =	0.457 J	<0.98 U
Carbazole	34.9	4.4 J	3.1 J	5.05 =	3.63 =	NR	<9.8 U	<10.4 U	<10.5 U	<1 U	<0.98 U
Naphthalene	None [a]	45.9 =	43 =	30.8 =	26 =	NR	<0.98 U	<1 U	4.1 =	6.58 =	3.5 =

Station	Remedial Level	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17	MW-17
Sample ID		7J4G71	7J4G72	7J4G73	7J4G74	7J4G78	7J4G75	7J4H71	7J4H72	7J4H73	7J4H74
Date		12/05/00	01/06/01	09/20/02	08/19/04	04/22/07	04/30/08	12/05/00	01/06/01	09/19/02	08/20/04
Benzene	5	2.1 =	0.28 J	<1 U	<1 U	<1 U	<1 U	2 =	<1 U	<1 U	<1 U
2-Methylnaphthalene	None [a]	NR	<0.99 U	<1 U	<1.1 U	<1 U	<0.971 U	NR	<1 U	<1.1 U	<1 U
Carbazole	34.9	NR	<9.9 U	<10.3 U	<10.6 U	<1 U	<0.971 U	NR	<10 U	<10.6 U	<10.5 U
Naphthalene	None [a]	NR	<0.99 U	<1 U	<1.1 U	<1 U	<0.971 U	NR	<1 U	1 J	<1 U

Table 15. Concentrations of Benzene, Carbazole, 2-Methylnaphthalene, and Naphthalene in Shallow Groundwater Since 1999 at SWMU 27F, Northwest of Building 1340 (continued)

Station	**Remedial Level**	**MW-17**	**MW-17**	**MW-18**	**MW-18**	**MW-18**	**MW-18**	**MW-18**	**MW-18**
Sample ID		**7J4H78**	**7J4H75**	**7J4J71**	**7J4J72**	**7J4J73**	**7J4J74**	**7J4J78**	**7J4J75**
Date		**04/20/07**	**05/01/08**	**12/05/00**	**01/08/01**	**09/19/02**	**08/19/04**	**04/22/07**	**05/01/08**
Benzene	5	<1 U	<1 U	<1 U	<1 U	0.38 J	<1 U	<1 U	<1 U
2-Methylnaphthalene	None [a]	<0.935 U	<0.952 U	NR	5.4 =	5.1 =	10.6 =	6.9 =	7.18 =
Carbazole	34.9	<0.935 U	<0.952 U	NR	<10 U	<10.5 U	<10.4 U	<0.935 U	<0.962 U
Naphthalene	None [a]	<0.935 U	<0.952 U	NR	3.8 =	4.9 =	9.7 =	4.83 =	5 =

[a]No remedial level was established in the Phase II Resource Conservation and Recovery Act facility investigation because the human health baseline risk assessment indicated that the calculated risk was below the incremental lifetime cancer risk of 1×10^{-6} and the hazard index of 1.0; therefore, the constituent was not a risk driver and was dismissed.

NR = Not reported.

SWMU = Solid waste management unit.

Bold indicates concentration above remedial level.

Laboratory Qualifiers:

"=" = Detected value.

J = Estimated value.

U = Undetected value.

MW9 and MW14 have the most predominant change in concentration. In MW14, benzene has decreased from a concentration of 79.1 μg/L in CY 2000 to 42.9 μg/L in CY 2004. However, in MW9, the benzene concentration has increased from 4.4 μg/L in CY 2002 to 16.4 μg/L in April 2007. Figure 19 presents the estimated extent of benzene contamination in the surficial groundwater based on the April 2008 groundwater sampling. Carbazole has never been detected above its RL.

As discussed previously, 2-methylnaphthalene and naphthalene do not presently represent a risk to human health; however, their concentrations are indicating an increasing trend and migration. The location of the maximum concentration has changed. During the Phase II RFI, the maximum concentrations of 2-methylnaphthalene and naphthalene were detected at MW14. The detected concentration of 2-methylnaphthalene in MW14 in CY 2004 was lower than the detected concentration during the Phase I RFI and in CY 2002, thus indicating a decreasing trend at this location. MW4, a well located slightly side-gradient to the former OWS, has shown a slight increase in the concentration of 2-methylnaphthalene from the Phase II RFI. The concentration was 15.6 μg/L in 2001 and has increased to 33.4 and 33.3 μg/L in CYs 2002 and 2004, respectively. However, during the April 2008 groundwater sampling, the concentration of 2-methylnaphthalene at MW4 was less than 1 μg/L. The concentration of naphthalene (30.8 μg/L) at MW14 remains at, approximately, concentrations measured previously. The concentrations of 2-methylnaphthalene and naphthalene remain essentially the same; however, their plume has migrated more to the southwest of the site.

No free product was present in MW4 and MW12 during the April/May 2008 groundwater sampling event. The lack of free product may be the result of the continual use of absorbent socks combined with the low rainfall conditions (i.e., drought) experienced across the south. The accumulation of free product is slow and is probably the result of residual contamination in the soil being flushed out.

4.1.4 Update of the F&T Model

The modeling performed in the CAP for SWMU 27F to evaluate the F&T and natural attenuation of benzene was calibrated/verified with the CYs 2007 and 2008 soil data and CY 2008 groundwater concentrations. The F&T model evaluated both the perched groundwater and surficial groundwater and quantified the impact the perched groundwater (source) has on the underlying surficial groundwater.

Updated natural attenuation modeling indicated that it will take approximately 70 years for benzene in the perched groundwater, located above the clay layer at approximately 10 to 12 ft BGS, to naturally attenuate to its MCL. The presence of benzene in the perched groundwater continues to slowly bleed into the underlying surficial aquifer thereby contaminating the underlying surficial aquifer. Modeling indicated it will take approximately 50 years for benzene to naturally attenuate to its MCL in the shallow surficial aquifer given the continual slow leaching from the contaminated perched groundwater located above. However, the model was also applied assuming complete removal of the source (perched zone) and it predicted a natural attenuation time of approximately 6.5 years for the underlying surficial groundwater to reach the benzene MCL if the source was removed (i.e., remediated).

The relatively consistent concentrations of contaminants in the surficial aquifer, as measured by the groundwater network, indicate that the system has essentially reached equilibrium with the contaminants migrating from the perched zone (source).

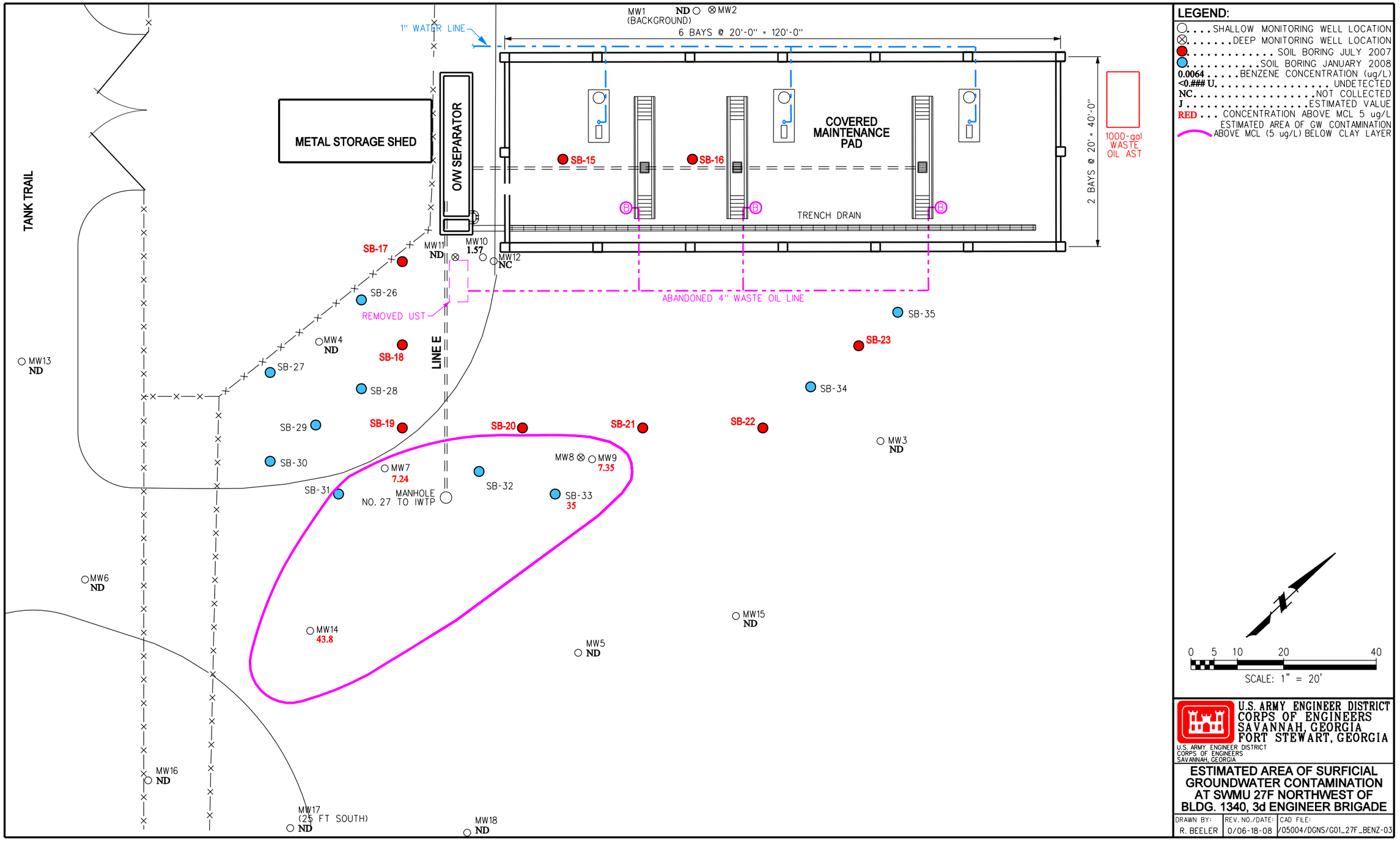

Figure 19. Estimated Area of Benzene Contamination in the Surficial Groundwater for CY 2008, SWMU 27F, Northwest of Building 1340

4.2 RECOMMENDATIONS

The following recommendations are based on the results to date and are discussed by media.

4.2.1 Free Product

Free product was not present in MW4 and MW12 during the April 2008 groundwater sampling event. The lack of free product may be the result of the continual use of absorbent socks combined with the low rainfall conditions (i.e., drought) experienced across the south. The accumulation of free product is slow and is probably the result of residual contamination in the soil being flushed out. The quantities generated do not warrant active removal techniques. Passive techniques would be sufficient to remove the quantities accumulating in the two wells. Absorbent socks should be placed in MW4 and MW12 and inspected and/or removed quarterly.

4.2.2 Annual Groundwater Sampling at Shallow Surficial Monitoring Wells

Annual groundwater sampling at 14 shallow monitoring wells shall continue to monitor the progress of natural attenuation. Wells MW1 (background), MW3, MW4, MW5, MW6, MW7, MW9, MW10, MW13, MW14, MW15, MW16, MW17, and MW18 are located within, downgradient of, or near the contaminant plumes (Figure 9) at SWMU 27F and represent an effective groundwater network to monitor the characteristics and potential migration of the contaminant plume at SWMU 27F. The groundwater shall be sampled using low-flow techniques and analyzed for VOCs, SVOCs, and natural attenuation parameters.

In addition, the following field measurements will be performed: conductivity, pH, temperature, dissolved oxygen, oxidation-reduction potential, and ferrous iron. Measurements of water levels were taken at all of the monitoring wells. Water levels shall be collected in all wells for the development of potentiometric maps. All shallow surficial wells shall be measured for free product using a free product level meter. The results of the annual groundwater sampling will be submitted annually to GA EPD in a CAP Progress Report until RLs have been achieved.

4.2.3 Delineate Subsurface Soil and Perched Groundwater Contamination

The results of the subsurface soil and perched groundwater investigation indicated that the extent of subsurface soil and perched contamination has not been completely determined in the southwest direction at SWMU 27F. The potential additional sources of soil contamination other than residual subsurface soil contamination from the removed waste oil UST have been identified and eliminated through the OWS and piping evaluation.

Ten additional subsurface soil sampling borings (SB46 through SB56) will be installed using DPT to determine the extent of soil and perched groundwater contamination above the clay layer at SWMU 27F. Continuous soil samples will be collected to the perched clay layer located at approximately 10 to 15 ft BGS. One groundwater sample will be collected from the last soil sampling interval. The two subsurface soil samples and one groundwater sample will be sent to an off-site analytical laboratory and analyzed for BTEX and SVOCs. The proposed locations of the DPT borings are presented in Figure 20. The results of the soil and perched groundwater sampling will be reported in the next CAP Progress Report to be issued for SWMU 27F or the addendum to the CAP.

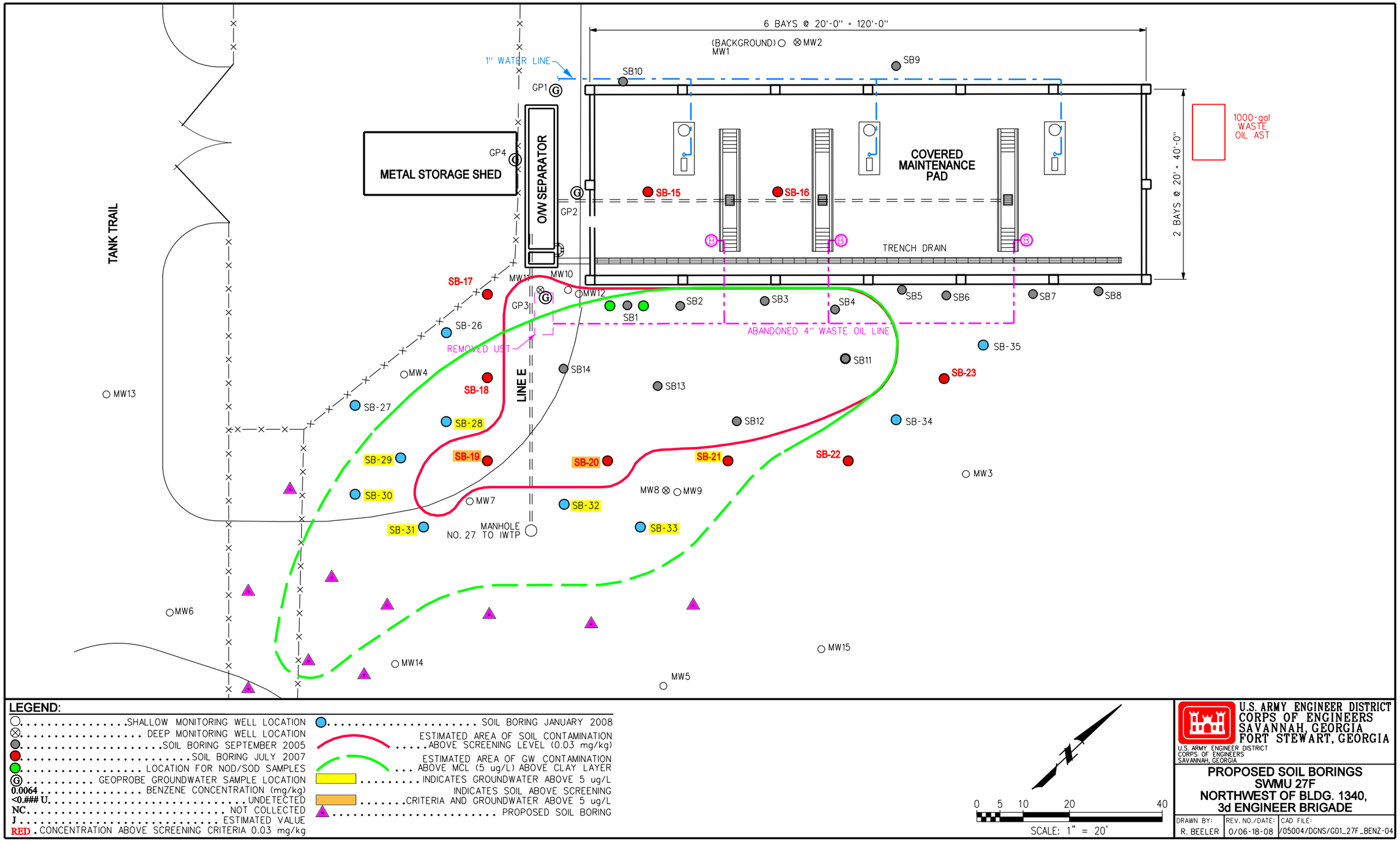

Figure 20. Proposed Boring Locations for SWMU 27F, Northwest of Building 1340

4.2.4 Addendum to the CAP

An addendum to the CAP shall be written screening remedial technologies and process options and evaluating potential alternatives for the remaining soil and groundwater contamination given that MNA is estimated by modeling to require 50 years from CY 2008 to achieve RLs in the surficial groundwater which is impacted by residual petroleum contamination in the above lying soil and perched groundwater. The technologies evaluated will focus on proven technologies for petroleum-contaminated soil and groundwater. At a minimum, the following technologies/process options will be evaluated for their cost effectiveness for contaminated soil and groundwater.

Soil: Natural attenuation, excavation, in-situ chemical oxidation, and biostimulation (e.g., bioventing and the addition of oxygen-releasing compounds and specialized bacteria, etc.).

Groundwater: Natural attenuation, air sparging, in-situ chemical oxidation, and biostimulation (e.g., addition of oxygen-releasing compounds and specialized bacteria, etc.).

4.2.5 Annual CAP Progress Report

Annual results of monitoring shall be presented in an Annual CAP Progress Report for SWMU 27F. The report shall summarize the sampling and analytical results and include an analysis of the trends and the effectiveness of the corrective action for that CY.

5.0 REFERENCES

Buscheck, T.E. and C.M. Alacantar 1995. *Regression Techniques and Analytical Solutions to Demonstrate Intrinsic Bioremediation*, Hinchee, R.E., J.T. Wilson, D.C. Downey, eds., Battelle Press, 3(1).

EPA (U. S. Environmental Protection Agency) 2002. *EPA Region III Risk-based Concentration Table*, EPA Region III, Hazardous Site Cleanup Division, <http://www.epa.gov/reg3hwmd/risk/riskmenu.htm.>

GSC (General Sciences Corporation) 1998. RISKPRO's AT123D for Windows, Version 3.0, General Sciences Corporation, Laurel, Maryland.

SAIC (Science Applications International Corporation) 1997. *Sampling and Analysis Plan for the Phase II RCRA Facility Investigation of 16 Solid Waste Management Units at Fort Stewart, Georgia* (Revised Final), October.

SAIC 2000. *Phase II RCRA Facility Investigation Report for 16 Solid Waste Management Units at Fort Stewart, Georgia* (Revised Final), April.

SAIC 2001. *Addendum for SWMU 27F: 3d Engineer Brigade, Northwest of Building 1340 to the Revised Final Phase II RCRA Facility Investigation Report for 16 Solid Waste Management Units at Fort Stewart, Georgia* (Revised Final), June.

SAIC 2004. *Corrective Action Plan for the 3d Engineering Brigade, Northwest of Building 1340 (Solid Waste Management Unit 27F) at Fort Stewart Military Reservation, Fort Stewart, Georgia* (Revised Final), November.

SAIC 2005a. *Addendum No. 6 to the Sampling and Analysis Plan for the Phase II RCRA Facility Investigation of 16 Solid Waste Management Units at Fort Stewart, Georgia*, August.

SAIC 2005b. *Corrective Action Plan Progress Report for Calendar Year 2002 for the Solid Waste Management Unit 27F: 3d Engineer Brigade, Northwest of Building 1340 at Fort Stewart, Georgia* (Revised Final), December.

SAIC 2006. *Corrective Action Plan Progress Report for Calendar Year 2004 for the Solid Waste Management Unit 27F: 3d Engineer Brigade, Northwest of Building 1340 at Fort Stewart, Georgia* (Revised Final), May.

SAIC 2007a. *Completion Report for the Oil/Water Separator and Piping Evaluation for the Solid Waste Management Unit 27F: 3d Engineer Brigade, Northwest of Building 1340 at Fort Stewart, Georgia* (Final), September.

SAIC 2007b. *Corrective Action Plan Progress Report for Calendar Year 2007 for the Solid Waste Management Unit 27F: 3d Engineer Brigade, Northwest of Building 1340 at Fort Stewart, Georgia* (Final), October.

Wiedemeier, T. 1997 *Natural Attenuation for Remediation of Contaminated Sites*, Course under National Groundwater Education Foundation, Houston, Texas, November.

Yeh, G.T. 1981. *AT123D: Analytical Transient One-, Two-, and Three-Dimensional Simulation of Waste Transport in the Aquifer System*, Environmental Sciences Division, Oak Ridge National Laboratory, Oak Ridge, Tennessee, Publication No. 1439.

APPENDIX A

PROTOCOL FOR ESTABLISHING REMEDIAL LEVELS

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Longaker, Jeff

From: Brent Rabon [brent_rabon@mail.dnr.state.ga.us]
Sent: Friday, May 04, 2001 3:06 PM
To: LittleDERA@aol.com
Subject: Re: Written Description which accompanies flowchart

Protocol.doc

Melanie, GA EPD has reviewed the Protocol proposed by Fort Stewart in your e-mail and facsimile (Little to Rabon) dated 30 April 2001 and 2 May 2001, respectively. Based upon that review and in order to expedite resolution of this issue, I have modified your version of the Written Description to accompany the flowchart (See attachment) and propose that some text be added (in bold) and deleted (struck out). Please note that modification of the hazardous constituents definition in the Written Description will also require modification of the one (1) applicable block in the flowchart.

The majority of the requested modifications are an attempt to make the proposal more generic for SWMUs which are not addressed by the Phase II RFI Report for 16 SWMUs dated April 2000 (e.g., SWMU 13). I do realize, however, that Fort Stewart may elect to modify the text in order to be more SWMU-specific when including this Protocol into a Corrective Action Plan.

Please do not hesitate to contact me should you have any questions concerning this e-mail.

Thank you,
Brent

>>> <LittleDERA@aol.com> 04/30/01 04:39PM >>>
See attached. Thanks, Melanie

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PROTOCOL FOR EVALUATING ADDITIONALLY DETECTED CONSTITUENTS IN GROUNDWATER AFTER APPROVAL OF A RCRA FACILITY INVESTIGATION REPORT

A.1 INTRODUCTION

Groundwater monitoring is typically suggested for solid waste management units that have been recommended for a corrective action other than institutional controls to determine either the groundwater characteristics prior to development of the Corrective Action Plan (CAP) and/or as part of the remedial alternative [e.g., monitored natural attenuation (MNA)] recommended in the CAP. Additional groundwater monitoring might result in more constituents being detected in groundwater and/or constituents being detected at concentrations higher than those evaluated in the Georgia Environmental Protection Division (GA EPD)-approved Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report. Constituents identified as constituents of potential concern (COPCs) in the RFI Report are evaluated in human health and ecological risk assessments, and their risk is quantified. COPCs determined to present a risk to human health and/or the environment are identified as constituents of concern (COCs), and remedial levels are developed. COCs indicated at concentrations above remedial levels (and the source media of the COCs) are identified in the CAP as constituents requiring remedial action. The following presents the potential methodology for evaluating additional constituents and/or constituents detected at concentrations higher than those previously detected and that might not have indicated risk or for which a remedial level might not have been developed in the Phase II RFI.

A.2 PROTOCOL

Groundwater sampling and monitoring results will be evaluated to determine if significant changes are occurring in the types and concentrations of constituents present in the groundwater. An evaluation protocol has been developed to assess the potential increases in the groundwater concentrations of constituents not identified as COCs in the GA EPD-approved RFI Report. The accompanying decision chart (Figure A-1) presents the decision points required in the evaluation.

Identification. Initially, the data will be evaluated to determine what constituents, if any, have increased concentrations in groundwater but were not addressed as COCs in the RFI, which would include constituents that were not detected during the RFI groundwater sampling. The maximum detected concentration (MDC) from the monitoring data will be compared to the MDC listed in the RFI. If the concentration is elevated (i.e., greater than the MDC reported in the RFI), then further evaluation will be required to determine if this constituent should be addressed under the remedial action. All constituents not previously detected will be evaluated further.

Confirmation. Given that groundwater concentrations are likely to fluctuate, a single elevated value does not indicate that the concentration of the constituent is increasing over time. The value might be a statistical aberration or the result of a temporary change in environmental conditions. If the elevated concentration represents a single event, confirmation of the results is required, and no further evaluation of the constituent should be undertaken until the sampling results have been confirmed during the next groundwater monitoring sampling event.

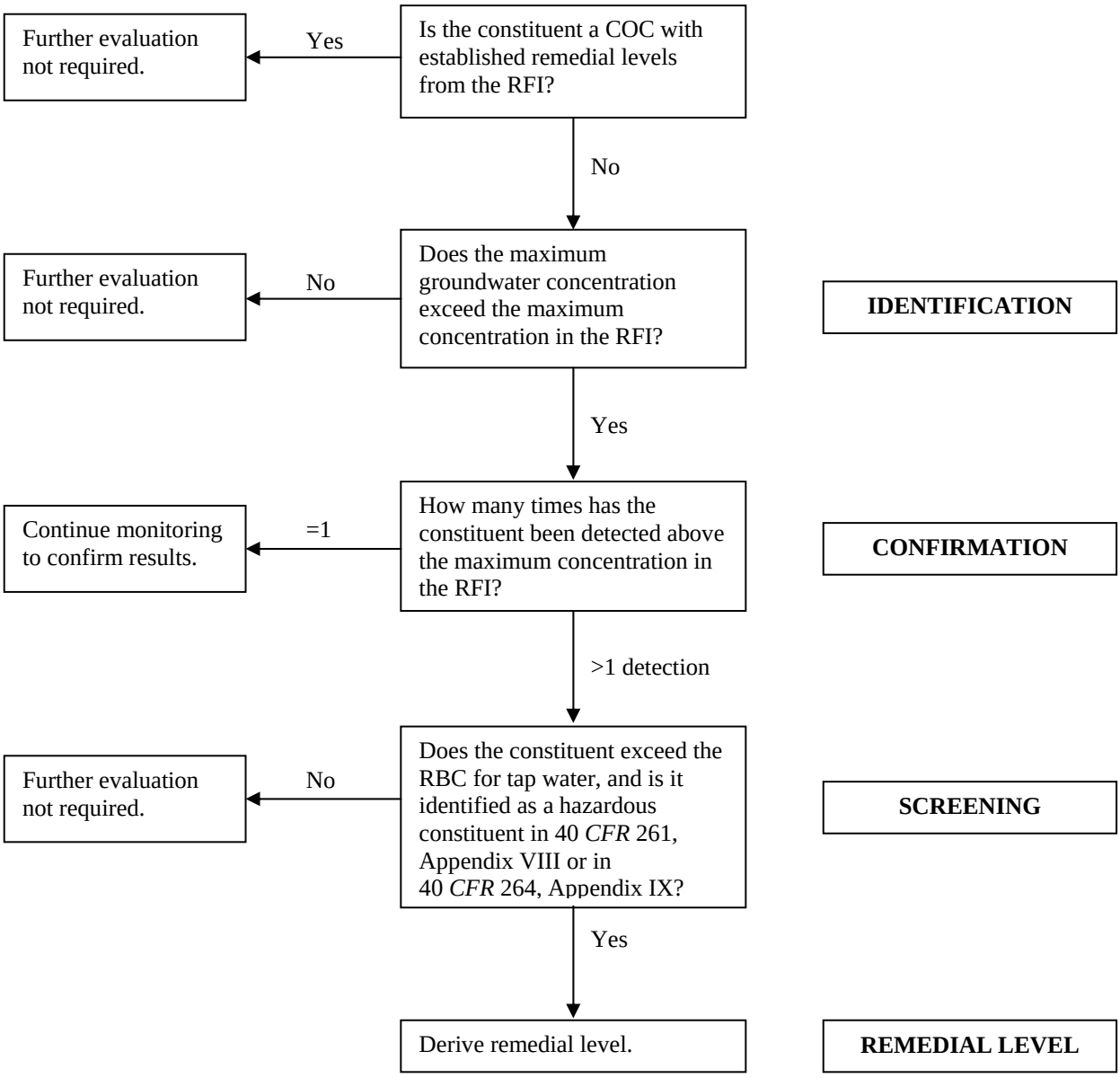

Figure A-1. Protocol for Developing Remedial Level

Screening. Upon confirmation of the sampling results, the maximum concentration will be screened using the U. S. Environmental Protection Agency Region 3 risk-based concentrations (RBCs) for tap water as described in Section 7.3.2 ("Screening Values for Groundwater") of the revised final *Phase II RCRA Facility Investigation Report for 16 Solid Waste Management Units at Fort Stewart, Georgia* (SAIC 2000). These screening values were used in the Phase II RFI to identify human health COPCs in groundwater and will identify those constituents that might have an adverse effect on human health. In addition, if the constituent is not listed in Title 40, *Code of Federal Regulations (CFR),* Part 261, Appendix VIII or in 40 *CFR* 264, Appendix IX [see the definition of hazardous constituents in Section I.E of the Fort Stewart Hazardous Waste Facility Permit #HW-045(S&T)]**,** then it will not be considered a hazardous constituent and will be eliminated.

Remedial Level Development. A remedial level will be derived for each constituent with a maximum concentration that exceeds the RBC. The remedial level will be derived using the protocols established for that site in the Phase II RFI. If a risk-based remedial level is derived for the constituent, then the total risk for exposure to groundwater constituent concentrations equal to the remedial levels should not exceed a hazard index of 3 or an incremental lifetime cancer risk of 1×10^{-4} (GA EPD 1996).

Documentation. Groundwater monitoring data collected to determine present characteristics prior to development of the CAP will be evaluated under the section "Supplemental Data Evaluation" in the CAP. The supplemental data evaluation will be presented as an appendix and summarized in Chapter 2.0 of the CAP. The evaluation of potential additional constituents and/or the detection of constituents at concentrations greater than previously reported and potential remedial level development will be presented in the supplemental data evaluation in the CAP.

Groundwater monitoring data collected as part of the selected and implemented remedial alternative will be reported to GA EPD in CAP Progress Reports. The reporting period will be dictated by the remedial alternative being implemented. For example, MNA typically has an annual reporting schedule, while active remedial action alternatives (e.g., in-situ chemical oxidation) may be reported after the performance of the remedial alternative and at subsequent intervals thereafter. The reports to be issued and the reporting schedule will be documented in the CAP. The evaluation of potential additional constituents and/or the detection of constituents at concentrations greater than previously reported and potential remedial level development will be presented in the CAP Progress Reports. This protocol will be presented and established in the Operations and Maintenance Plan and MNA checklist (if MNA is selected), both of which will be appendices to the CAP.

A.3 REFERENCES

GA EPD (Georgia Environmental Protection Division) 1996. *Guidance for Selecting Media Remediation Levels at RCRA Solid Waste Management Units*, Atlanta, Georgia, November.

SAIC (Science Applications International Corporation) 2000. *Phase II RCRA Facility Investigation Report for 16 Solid Waste Management Units at Fort Stewart, Georgia* (Revised Final), Oak Ridge, Tennessee, April.

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APPENDIX B

SOIL BORING LOGS

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HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TJ-SB15

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Boart-Longyear

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: SWMU 27F

5. NAME OF DRILLER: Shane Brown

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 6600

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 6600 truck-mounted- probing; 2-in macro-core with acetate liners.

8. HOLE LOCATION: See location sketch

9. SURFACE ELEVATION:

10. DATE STARTED: 7/11/07

11. DATE COMPLETED: 7/11/07

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 12.3 ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 16.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES: ~~DISTURBED~~ N/A ~~UNDISTURBED~~ N/A

19. TOTAL NUMBER OF CORE BOXES: N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	N/A	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	Timothy Coffey

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-15

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	Concrete	N/A		N/A	
	1	Predom red sandy clay mottled lt. gray and yell-brn; dry, rel. stiff, crumbly, sl. plastic; sand ≤ 40 %.	#31 0.0 ppm		N/A	Run #1 0.8-4 ft D: 3.2 ft R: 2.5 ft
	2					
	3					
	4	No Recovery	N/A		N/A	
	4	Red sandy clay-	1439			Run #2 4-8 ft D: 4.0 ft R: 3.4 ft
	5	Black silty sand; dry; "dirty" rel. packed. — grades to: Brown to light gray sand; dry, rel. loose, F- to m-grnd.	0.0 ppm	N/A	N/A	
	6	Gray clay/ sandy clay; moist, mottled (yell-brn), rel. stiff, plastic.	1443 12.4 ppm		N/A	
	7					
	8	No Recovery	N/A		N/A	
	8	Red, gray, and yell-brn mottled sandy clay; moist, rel. stiff, plastic.	1448 25.9 ppm		TIME	Run # 3 8-12 ft D: 4.0 ft R: 4.0 ft
	9					
	10	see Below				

45

HTRW DRILLING LOG

HOLE NUMBER SB-15

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffay

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Predom gray clay and sandy clay; moist, rel. massive, alt. beds of pure clay and sandy clay, plastic.	1451 302 ppm		751 M82 751 M21 (Dup)	Water at 12.3 ft BGS
	12					
	13	Brown clay/silt sand; wet, loose/runny, F- to M-grnd.	N/A	N/A		Run #4 12-16 ft D: 4.0 ft R: 4.0 ft
		Lt. gray to white clay sand; wet, rel. stiff, med plast.				
	14	Lt. gray to yellow sand; wet, massive to bedded, F- to C-grnd, sl. packed.	N/A		754 M11 (Groundwater)	
	15					
	16					
		End of Boring.				TD = 16.0 ft
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: SB-16

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Boart-Longyear

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: SWMU 27F

5. NAME OF DRILLER: Shane Brown

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 6600

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 6600 truck-mounted probe; 2-in. macro-core w/ Acetate liners.

8. HOLE LOCATION: See location sketch.

9. SURFACE ELEVATION:

10. DATE STARTED: 7/11/07

11. DATE COMPLETED: 7/11/07

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 13.0 ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 16.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED: N/A	UNDISTURBED: N/A	19. TOTAL NUMBER OF CORE BOXES: N/A			
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	N/A	SVOC	—	—	
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR		
	X	—	—			

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-16

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A		N/A	
	1	Lt. gray, red, brn-yellow (mottled) sandy clay: dry stiff, non- to sl. plastic; sand ≤ 30 %.	1649			Run #1 ϕ.8-4 ft D: 3.2 ft R: 2.9 ft
	2		ϕ.ϕppm		N/A	
	3	Predom red + yellow mottled clay and sandy clay: moist,				
	4	No Recovery	N/A		N/A	
		Red and yellow mottled clay (As Above)	1654			Run # 2 4-8 ft D: 4.ϕ ft R: 3.8 ft
	5		6.ϕppm	N/A	N/A	
		Black silty sand: dry, rel. packed, F-grnd, "dirty".				
	6	Brown to Lt. gray sand: dry to moist, rel. packed, F. to m-grnd, gen. massive.	17ϕϕ		SB16-0810-1511	
	7		6.8ppm			
		Gray sandy clay: moist, mottled yellow.				
	8	No Recovery	N/A		N/A	
		Gray sandy clay (As Above)	17ϕ5			Run # 3 8-12 ft D: 4.ϕ ft R: 2.9 ft
	9	Red, gray, and brn-yellow sandy clay: moist, stiff, mottled, sl. plastic, sand ≤ 6ϕ%; m-grnd.	189ppm		SB16-0812-1511	
	10					

HTRW DRILLING LOG

HOLE NUMBER SB-16

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	10	Red, gray, and brn-yellow sandy clay (As Above).	1705		75INB2	
	11	No Recovery	N/A		N/A	
	12	Red, gray, and brn-yellow Sandy clay (As Above).			75INH1 (Rins)	Run #4 12-16 Ft D: 4.0 Ft R: 3.3 Ft Water at 13.0 Ft BGS
	13	Gray and yellow clay sand; moist to wet, M-grnd, well packed, alt intervals of clay and sand.	N/A	N/A	75INH2 and 75INH3 (Groundwater)	
	14					
	15	Not entirely saturated.				
	16	End of Boring.				TD = 16.0 Ft
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TS-SB-17

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Boart-Longyear

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: SWMU 27F.

5. NAME OF DRILLER: Shane Brown

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 6600

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 6600 truck-mounted probe with 2-in. macro-core with Acetate liner.

8. HOLE LOCATION: See Below

9. SURFACE ELEVATION:

10. DATE STARTED: 7/11/07

11. DATE COMPLETED: 7/11/07

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 12 Ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 16.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

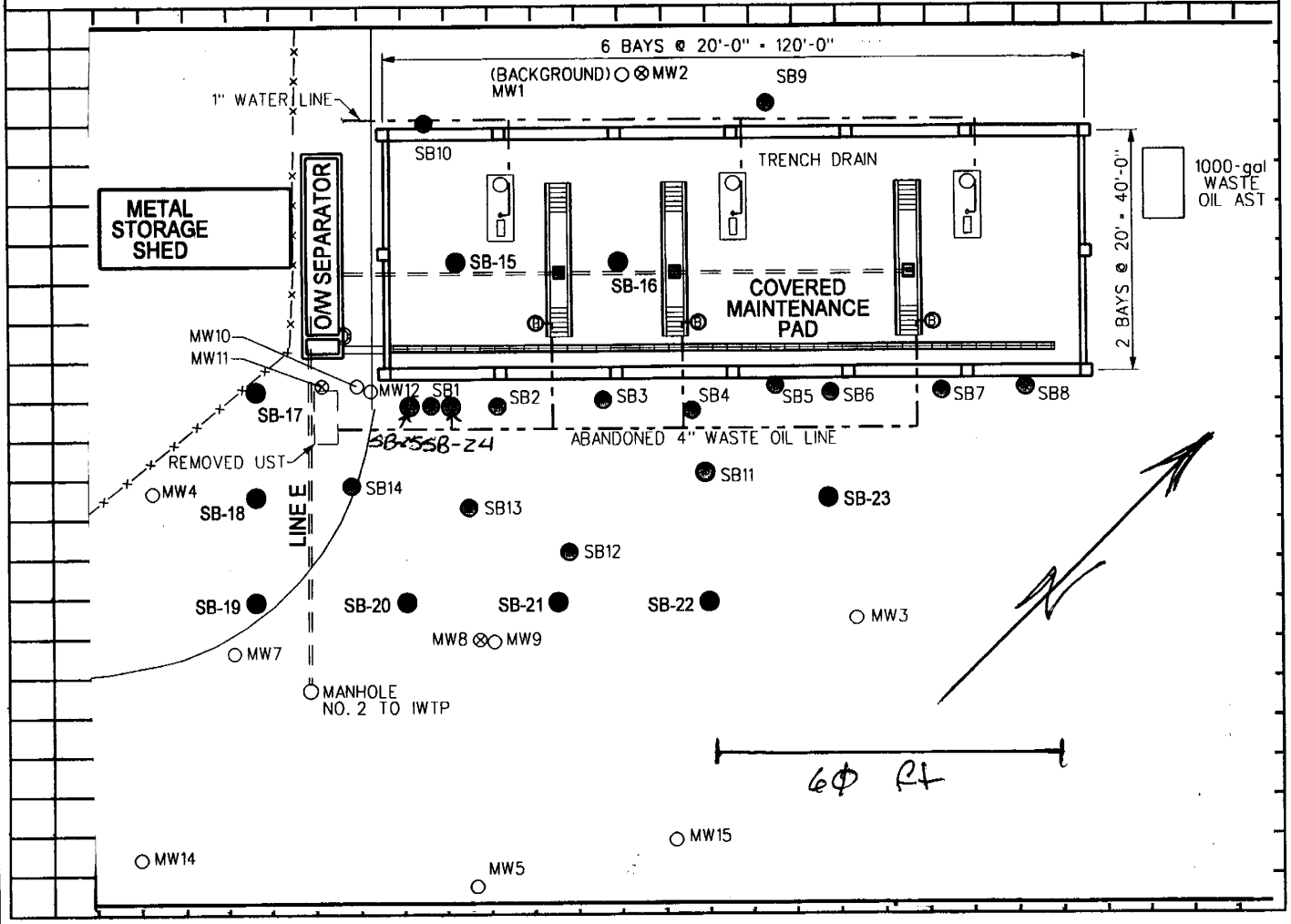
18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	N/A	N/A	N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	N/A	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	

LOCATION SKETCH/COMMENTS

SCALE:



HTRW DRILLING LOG

HOLE NUMBER SB-17 | SHEET 2 OF 3

PROJECT: Fort Stewart/Hunter | INSPECTOR Timothy Coffey

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	V. dk gray brn sandy topsoil; dry, organics.	ϕ9ϕ7			Run #1
	1	Lt. gray, red, brn-yellow clay and sandy clay; dry to moist, stiff, variegated, non-plast to sl. plast., sand ≤ 40%.	ϕ.ϕppm		N/A	ϕ-4 ft D: 4.ϕ ft R: 3.5 ft
	2		ϕ9ϕ9			
	3	Black to v. dk gray	51.1 ppm		N/A	
	4	No Recovery	N/A		N/A	
	4	As Above Lt. yellow-brown sand; dry, loose, friable, m-grnd.	ϕ912			Run #2
	5	Lt. gray, red, and brn-yellow clay and sandy clay; dry to moist, stiff, variegated, non- to sl. plastic; sand ≤ 40%.	8.4 ppm	N/A	N/A	4-8 ft D: 4.ϕ ft R: 4.ϕ ft
	6		ϕ914			
	7		89.5 ppm		BH 7	
	8		ϕ917			Run #3
	9		22.4 ppm		751P81	8-12 ft D: 4 ft R: 3.3 ft
	10	Lt. gray sandy clay; moist, rel. soft, plastic, massive	ϕ92ϕ			Perched water at 9.5 ft BGS.

HTRW DRILLING LOG

HOLE NUMBER SB-17

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Lt. gray sandy clay (As Above).	920 ppm		75IP82	
		Reddish-yellow sand: dry to moist	198 ppm			
	12	No Recovery	N/A		N/A	water at 12 ft BGS.
		As Above				Run # 4
		Rel. massive.		N/A		12-16 ft
	13					D: 4.0 ft
						R: 4.0 ft
			N/A		75I4P11 (Ground water)	
	14	V. pale brown to Lt. gray sand: wet, massive to bdd, F. to m-grnd.				
	15					
	16	End of Boring.				TD = 16 ft.
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TJ-SB-18

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Boart-Longyear

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: SWMU 27F

5. NAME OF DRILLER: Shane Brown

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 6600

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 6600 truck-mounted probe; 2-in. macro-core with acetate liner.

8. HOLE LOCATION: See location sketch

9. SURFACE ELEVATION:

10. DATE STARTED: 7/11/07

11. DATE COMPLETED: 7/11/07

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 12 Ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 16 Ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES: ~~DISTURBED~~ ~~UNDISTURBED~~

19. TOTAL NUMBER OF CORE BOXES: N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	N/A	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	Jonathan Coffey

LOCATION SKETCH/COMMENTS

SCALE:

See pg. 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER 75-SB-18 M

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	1	Brown sandy topsoil Predom Lt red, clay mottled Lt. gray; dry, stiff, non- to sl. plast. ≤ 30% sand.	1015 0.0ppm		N/A	Run #1 0-4 ft D: 4.0 ft R: 3.5 ft
	2		1017			
	3	Black silty sand: dry, gen. loose, "dirty", F- to m-grnd.	0.0ppm		N/A	
	4	No Recovery	N/A		N/A	
	5	As Above grades to Lt. yellow-brn sand; F- to m-grnd, loose. Gray to strong brown sandy clay; dry to moist, rel. stiff (becomes soft w/ dept), mottled, plastic; sand ≤ 30%	1021 3.7ppm	N/A	N/A	Run #2 4-8 ft D: 4 ft R: 3.4 ft
	6		1024		TS1R01	
	7		297ppm			
	8	No Recovery	N/A		N/A	
	9	Gray to strong brown mottled sandy clay (As Above).	1031 205ppm		N/A	Run #3 8-12 ft D: 4.0 ft R: 3.8 ft
	10					

HTRW DRILLING LOG

HOLE NUMBER SB-18

PROJECT: Fort Stewart/Hunter | INSPECTOR Timothy Coffey | SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Gray to strong brown sandy clay (As Above).	1033 161 ppm		TJ1R82	
		Lt. gray and brn - yellow sand: moist to wet, F- to M-grnd.				
	12	No Recovery	N/A		N/A	water @ 12 ft
		No cores or cuttings	N/A	N/A	TJ4R11 (Groundwater)	~~Run #4 12-16 Ft D: 4.0 Ft R:~~ Probe to 16 Ft BGS using screen sampler.
	16	End of Boring				TD = 16 Ft.

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: FS-SB-19

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Boart - Longyear

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: SWMU 37F

5. NAME OF DRILLER: Shane Brown

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 6600

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 6600 truck-mounted probe; 2¼in. macro-core with acetate liners.

8. HOLE LOCATION: See location sketch

9. SURFACE ELEVATION:

10. DATE STARTED: 7/11/07

11. DATE COMPLETED: 7/11/07

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 12 Ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 16.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED: N/A	UNDISTURBED: N/A	19. TOTAL NUMBER OF CORE BOXES: N/A			
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC: BTEX	METALS: N/A	OTHER (SPECIFY): SVOC	OTHER (SPECIFY): —	OTHER (SPECIFY): —	21. TOTAL CORE RECOVERY %
22. DISPOSITION OF HOLE	BACKFILLED: X	MONITORING WELL: —	OTHER (SPECIFY): —	23. SIGNATURE OF INSPECTOR: [signature]		

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-19

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	Brown sandy topsoil	1112			Run #1
	1	Red clay and sandy clay; dry, stiff, non- to sl. plastic, mottled lt. gray and brn-yellow.	0.0 ppm		N/A	0-4 Ft D: 4.0 Ft R: 3.6 Ft
	2		1114			
	3	Black to v. dk gray silty sand; dry, rel. loose, F- to m-grnd. Lightening w/ depth.	7.7 ppm		N/A	
	4	No Recovery	N/A		N/A	
		white sand; dry, loose, M-grnd.	1119			Run #2
	5	Predom. gray sandy clay w/ yell-brn mottling; moist, rel. soft, plastic; sand ≤ 20%	0.9 ppm	N/A	N/A	4-8 Ft D: 4.0 Ft R: 3.4 Ft
	6		1122			
	7		489 ppm		TJC 8	
	8	No Recovery	N/A		N/A	
		Gray mottled clay sandy clay (As Above)	1127			Run #3
	9	Lt. gray clay sand; moist, massive to laminated, F-grnd; sand 75%	277 ppm		N/A	8-12 Ft D: 4.0 Ft R: 3.8 Ft
	10					

HTRW DRILLING LOG

HOLE NUMBER SB-19

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Lt. gray to white sand; moist to wet, loose to packed (some clay), V. F. to F-grnd; sugary.	1128 202 ppm		TJ1528	Perched water at approx. 11 ft BGS.
	12	No Recovery	N/A	N/A	N/A	
	13	No cores or cuttings	N/A	N/A	TJ4511 (Groundwater)	Water at 12 ft BGS. Probe to 16 ft using screen sampler.
	16	End of Boring				TD = 16.0 ft

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: FS-SB-24

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Boart-Longyear

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: SWMU 27 F

5. NAME OF DRILLER: Shane Brown

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 6600

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 6600 truck-mounted probe; 2-in. macro-core with Acetate liners.

8. HOLE LOCATION: See location sketch

9. SURFACE ELEVATION:

10. DATE STARTED: 7/11/07

11. DATE COMPLETED: 7/11/07

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 12 ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 16.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES: DISTURBED N/A; UNDISTURBED N/A

19. TOTAL NUMBER OF CORE BOXES: N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	N/A	SVOC	—	—	
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR		
	X	—	—	Timothy Coffey		

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, Mbi's logbook, Rol+ location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-24

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	Concrete	N/A		N/A	Run #1 0.6 - 4.0 Ft D: 3.4 Ft R: 1.8 Ft
	1	Brown silty sand: dry, sl. packed.	1333			
		Black silty sand: dry, F grnd, loose, "dirty"	15.8 ppm		N/A	
	2	Red, yellow, red mottled sandy clay; moist, rel. stiff, sl. plast.				A 1.1 Ft perched water: 2.4 Ft
	3	No Recovery	N/A		N/A	
	4	Gray and brn-yell mottled sandy clay: moist, plastic; sand ≤ 40%.	1337			Run #2 4 - 8 Ft D: 4.0 Ft R: 3.0 Ft
	5		2.4 ppm	N/A	N/A	
	6		1339 BC<br~~234~~ ppm 235		75168	
	7	No Recovery	N/A		N/A	
	8	Lt. gray clay and sandy clay: moist, massive to mottled, stiff, sl. plastic, sand ≤ 25% (V.F-grnd).	1344			Run #3 8 - 12 Ft D: 4.0 Ft R: 3.4 Ft
	9		234 ppm		75169	
	10					

HTRW DRILLING LOG

HOLE NUMBER SB-20

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	10	As Above				Actually have water at 10.5 ft BGS.
	11	Lt. gray to white sand; wet, massive to bdd, F- to C- grnd, rel. loose.	N/A		N/A	
	12	No Recovery.				water at 12 ft BGS.
	13	No cores or cuttings	N/A	N/A		Probe to 16 ft BGS using screen sampler.
	14		N/A			
	15					
	16	End of Boring				TD = 16.0 ft
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TS-SB-21

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Boart-Longyear

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: SWMU 27F

5. NAME OF DRILLER: Shane Brown

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 6600

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 6600 truck-mounted probe; 2-in. macro-core with acetate liners.

8. HOLE LOCATION: See location sketch

9. SURFACE ELEVATION:

10. DATE STARTED: 7/12/07

11. DATE COMPLETED: 7/12/07

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 10.5 Ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 16.0 Ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES: DISTURBED N/A; UNDISTURBED N/A

19. TOTAL NUMBER OF CORE BOXES: N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	N/A	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-21

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A		N/A	Run #1 0.6-4 ft
	1	Predom red sandy clay mottled lt. gray and yell-brn; dry, stiff, sl. plast.	0815 1.0 ppm		N/A	D: 3.4 ft R: 3.2 ft
	2	sand ≤ 40%.				
			0817			
	3	Black to olive brn silty sand: dry, rel. packed (looser w/ depth), mass to mottled, "dirty".	17.6 ppm		N/A	
	4	No Recovery	N/A		N/A	
		olive brn sand (As Above)	0819			Run # 2 4-8 ft
	5	Gray and yell-brn sandy clay: moist, mottled, rel. soft, plastic,	10.1 ppm	N/A	N/A	D: 4.0 ft R: 3.6 ft
	6	sand ≤ 25%	0822		151081	
	7	As Above, with dark red mottling	173 ppm			
	8	No Recovery	N/A		N/A	
		Gray sandy clay w/ red mottling	0824			Run #3 8-12 ft
	9	Gray clay: moist, massive/ uniform, rel. stiff, plastic,	127 ppm		151082	D: 4.0 ft R: 3.8 ft
	10	sand ≤ 10%.				

HTRW DRILLING LOG

HOLE NUMBER SB-21

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	10	Lt. gray clay (As Above)	ØBZ4		TSIVØZ	
	11	Lt. gray clay sand; wet, massive/unif, stiff/well packed, F-grnd, non-plast. All sand.				Water at 10.5 Ft BGS.
	12	No Recovery				
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: 73-SB-22

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Boart - Longyear

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: SWMU 27F

5. NAME OF DRILLER: Shane Brown

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 6600

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 6600 truck-mounted probe; 2-in. macro-core with Acetate liners.

8. HOLE LOCATION: See location sketch

9. SURFACE ELEVATION:

10. DATE STARTED: 7/12/07

11. DATE COMPLETED: 7/12/07

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 11.0 ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 16.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES: ~~N/A~~ DISTURBED ~~N/A~~ UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES: N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	N/A	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-22

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	Concrete	N/A		N/A	Run # 1 0.6 – 4.0 ft D: 3.4 ft R: 2.7 ft
	1	Red clay sand; sl. packed, sl. plastic, mottled Lt. gray; sand ≥ 40%.	0.0 ppm			
	2	Black silty ~~sand~~ yellow-brn clay; dry, ~~packed~~ "dirty"	21.5 ppm		N/A	
	3	Black to dark gray brn silty sand; Dry, packed (loose at bottom), "dirty"				
	4	No Recovery	N/A		N/A	
	4	Lt. gray to white sand; dry, loose	0.0 ppm			Run # 2 4 – 8 ft D: 4.0 ft R: 3.6 ft
	5	Predom gray and yell-brn (mottled) sandy clay; moist, rel. soft, plastic, sand ≤ 30%.	75.7 ppm	N/A	N/A	
	6		0.0 ppm			
	7	Gray to Lt. gray sandy clay; mass, uniform, rel. stiff, sl. plastic.	28.9 ppm		751V81	
	8	No Recovery	N/A		N/A	
	8	Gray sandy clay w/ red mottling (As Above)	0.0 ppm		751V82	Run # 3 8 – 12 ft D: 4.0 ft R: 3.4 ft
	9	Lt. gray clay; moist, massive, uniform, stiff, plastic, sand ≤ 5%.	10.7 ppm			
	10					

HTRW DRILLING LOG

HOLE NUMBER SB-22

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	10	Lt. gray clay (As Above)	0914		15VB2	
	11	Lt. gray to Lt. brn-gray sandy clay: moist to wet, bdd, sl. plastic.	N/A		N/A	water at approx. 11.0 ft BGS
	12	No Recovery				
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG	DISTRICT: USACE Savannah	HOLE NUMBER TS-SB-23
1. COMPANY NAME: SAIC	2. DRILL SUBCONTRACTOR: Bexart - Longyear	SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter	4. LOCATION: SWMU 27F
5. NAME OF DRILLER: Shane Brown	6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 6600
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 6600 truck-mounted probe; 2-in. macro-core with Acetate liners	8. HOLE LOCATION: See location sketch
	9. SURFACE ELEVATION:
	10. DATE STARTED: 7/12/07 — 11. DATE COMPLETED: 7/12/07
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: 12.5 Ft BGS
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A
14. TOTAL DEPTH OF HOLE: 16.0 Ft	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED: N/A	UNDISTURBED: N/A	19. TOTAL NUMBER OF CORE BOXES: N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	N/A	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	Jonathan Coffey

LOCATION SKETCH/COMMENTS — SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-23 | SHEET 2 OF 3

PROJECT: Fort Stewart/Hunter | INSPECTOR Timothy Coffey

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	Concrete	N/A		N/A	Run #1
	1	Red clay sand: dry, massive, sl. packed.	Ø957		751 X Ø 1	Ø.8 – 4.Ø ft D: 3.2 ft R: 2.4 ft
	2	Brown-grey clay/silt sand: dry, mottled yell-brn and red, packed, sl. plast to non-pl.	153ppm			
	3	Black silty sand: dry, packed, "dirty"				
	4	No Recovery	N/A		N/A	
	4	Brown sand: dry, loose, M-grnd.	1ØØ1			Run #2 4 – 8 ft D: 4.Ø ft R: 3.Ø ft
	5	Grey and yell-brn (mottled) sandy clay: moist, rel. soft, plastic; sand ≤ 3Ø%.	145ppm	N/A	N/A	
	6		1ØØ3			
	7		84.3 ppm		N/A	
	7	No Recovery	N/A		N/A	
	8	Grey, red, and yell-brn sandy clay (As Above)	1ØØ6			Run #3 8 – 12 ft D: 4.Ø ft R: 3.6 ft
	9	Predom grey sandy clay: moist, plastic, rel. stiff, M- to C-grnd sand.	37.7 ppm		N/A	
	10		Below	B-28	Below	

HTRW DRILLING LOG

HOLE NUMBER SB-23

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Gray sandy clay (As Above) sand decr ↓	1010 No.le ppm.		28X157	
		Lt. gray clay: moist, stiff, plastic, pure, massive/uniform				
	12	No Recovery	N/A		N/A	
		Lt. gray clay (As Above)				Run #4 12-16 ft D: 4.0 ft R: 2.4 ft
	13	Lt gray to gray sand and clay sand: wet, mass, F- to M-grnd, sl. packed.		N/A		
	14	Strong brown sand, wet, massive, M-grnd.	N/A		27X111 (Groundwater)	water at 12.5 ft BGS.
	15	No Recovery				
	16	End of Boring.				TD = 16.0 ft
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TS-SB-24 / TS-SB-25

SHEET 1 OF 3

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Boart – Longyear

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: SWMU 27F

5. NAME OF DRILLER: Shane Brown

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe truck-mounted probe; 2-in. discrete-interval macro-core sampler with Acetate liners.

8. HOLE LOCATION: See location sketch.

9. SURFACE ELEVATION:

10. DATE STARTED: 7/12/07

11. DATE COMPLETED: 7/12/07

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: NM

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 16.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED N/A	UNDISTURBED N/A	19. TOTAL NUMBER OF CORE BOXES N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	—	—	NOD/SOD	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	Timothy Coffey

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook; Raw location sketch.

SB25

HTRW DRILLING LOG

HOLE NUMBER SB-24

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
	0–10	See lithology log for SB-24 for representative lithology log.	N/A	N/A	N/A	Probe to 14 ft using discrete-interval macro-core sampler.

SB-25

HTRW DRILLING LOG

HOLE NUMBER SB-24

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

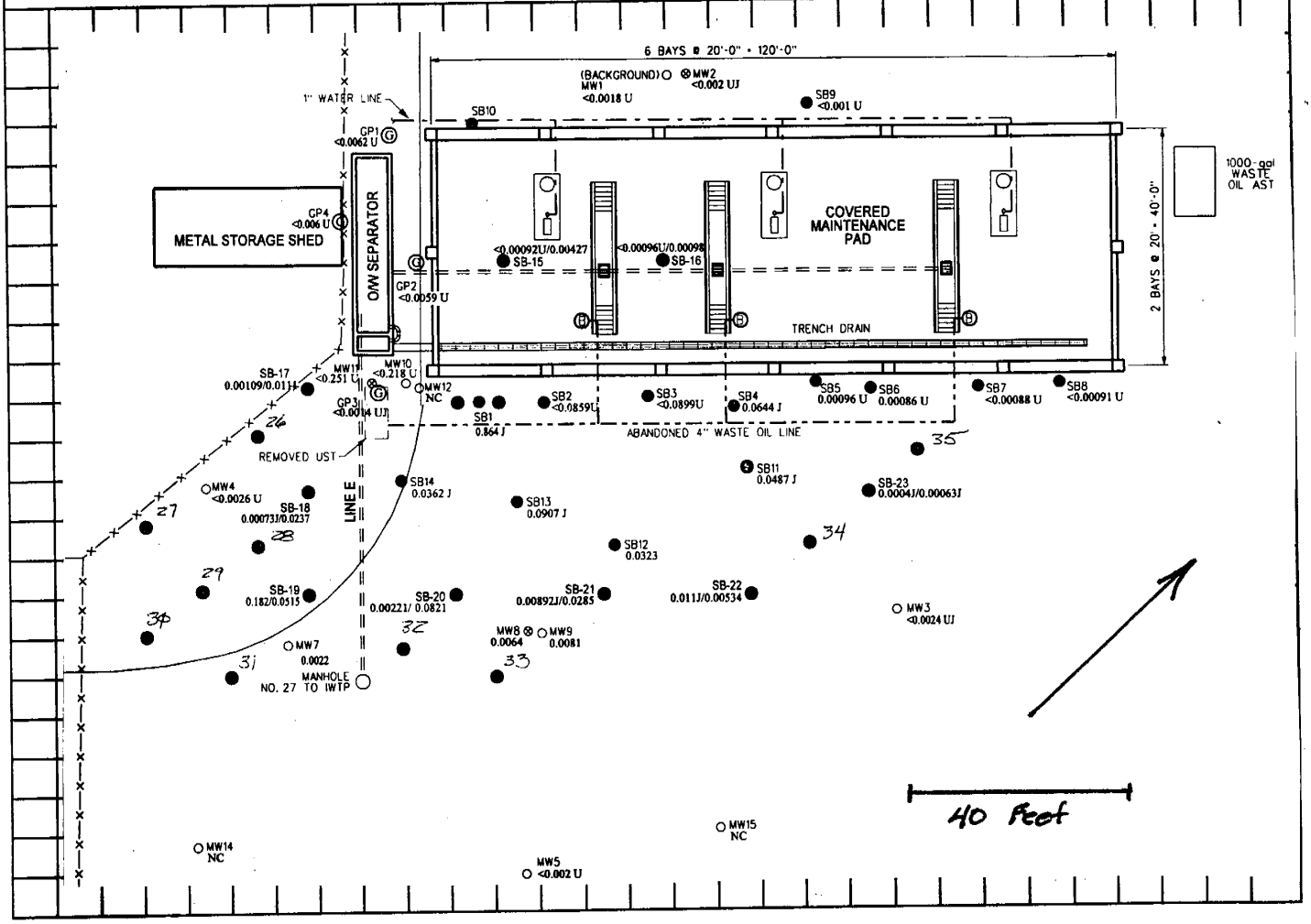
ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	See SB-24 for representative lithologic log.	N/A		TJ1481 (Soil)	6 soil cores total wt = 24 lbs
	12					Probe to 16 ft using macro core sampler. Install temp. piez. from 14-15 ft BGS. 2 ea, 1-Liter Amber glass bottles.
	13			N/A		
	14		N/A		TJ4911 (Groundwater)	
	15					
	16	End of Boring.				TD = 16.0 ft
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

	DISTRICT: USACE Savannah	HOLE NUMBER 75-SB-26
1. COMPANY NAME: SAIC	2. DRILL SUBCONTRACTOR: SAIC	SHEET 1 OF 3
3. PROJECT: Fort Stewart/Hunter	4. LOCATION: Ft. Stewart/ SWMU 27F	
5. NAME OF DRILLER: Chris Hemer	6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 truck-mounted DPT rig; 2-in. Macro-core barrell with Acetate liners; 1-in. diam. Screen water sampler	8. HOLE LOCATION: See location sketch.	
	9. SURFACE ELEVATION:	
	10. DATE STARTED: 1/28/98	11. DATE COMPLETED: 1/28/98
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: 9.4 Ft BGS.	
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A	
14. TOTAL DEPTH OF HOLE: 13.4 Ft	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A	
18. GEOTECHNICAL SAMPLES: N/A	DISTURBED: N/A	UNDISTURBED: N/A
	19. TOTAL NUMBER OF CORE BOXES: N/A	

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	—	BTEX	—	—	
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR: Timothy Coffey		
	X	—	—			

LOCATION SKETCH/COMMENTS — SCALE:



HTRW DRILLING LOG

HOLE NUMBER SB-26

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	DK gray-brn, silty sand: moist, F-grnd, rel. packed, organics.	0.0 ppm		N/A	Run #1 0-4 ft D: 4 ft R: 3.3 ft
	1	Lt. gray sandy clay w/ Yellow specks: moist, rel. stiff, sl. to non-plast.				
	2	Lt. red + med gray sandy clay: moist, rel. stiff, sl. plast.	14.9 ppm		1418 TS1268	
	3	Black to med. brown silty sandy clay, F-grnd, variegated.				
	4	No Recovery	N/A		N/A	
	4	Med. gray to yell-brown sandy clay; moist; med. plastic, mottled (rare red-brn); sand; ≤ 30%.	46.2 ppm	N/A	1426 N/A	Run #2 4-8 ft D: 4 ft R: 3.8 ft
	6		96.2 ppm		1428 N/A	
	8	NO Recovery	N/A		N/A	Run #3 8-12 ft D: 4 ft R: 3.3 ft
	8	Med. gray to yell-brn Sandy clay (As Above)	14.5 ppm		1434 TS1268 (Reg) TS1268 (Dup)	
	10	Med. gray clay Sand: wet, F-grnd, rel. stiff, sl. plast.	N/A	TS1426 11	N/A	water at 9.0 ft BGS.

HTRW DRILLING LOG

HOLE NUMBER SB-26

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Med. gray clay, sand (As Above)				
		Red-yellow sand: wet, F-grnd, massive.	N/A	11 92 13	N/A	
	12	No Recovery				
		No soil ~~Drilling~~ Sampling	N/A		N/A	
	13	End of Boring				TD = 13 Ft.
	14					
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

	DISTRICT: USACE Savannah	HOLE NUMBER: TS-513-27
1. COMPANY NAME: SAIC	2. DRILL SUBCONTRACTOR: SAIC	SHEET 1 OF 3
3. PROJECT: Fort Stewart/Hunter	4. LOCATION: Ft. Stewart/Skull 27F	
5. NAME OF DRILLER: Chris Homer	6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 truck-mounted DPT rig; 2-in. Macro-core barrel with Acetate liners; 1-in. diam. screen water sampler.	8. HOLE LOCATION: See Below	
	9. SURFACE ELEVATION:	
	10. DATE STARTED: 1/28/08	11. DATE COMPLETED: 1/28/08
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: 9.8 ft BGS	
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A	
14. TOTAL DEPTH OF HOLE: 14.0 ft	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	N/A	N/A	N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	—	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	

LOCATION SKETCH/COMMENTS

SCALE:

See Page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-27

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

12

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTISAL SAMPLE NO. (F)	REMARKS (G)
	0	Dk gray-brn sandy topsoil; moist, F-grnd, organics.	0.0 ppm		N/A	Run #1 0-4 ft D: 4 ft R: 3.0 ft
	1	Lt. red and med gray clay sand; moist, m-plastic, mottled.				
	2	Black sandy silt; dry, v. F-grnd.	0.0 ppm		1525 N/A	
	3	Dk yellow-brn silty sand; dry to moist, F-grnd, mottled.				
	4	No Recovery	N/A		N/A	Run #2 4-8 ft D: 4 ft R: 3.8 ft
	5	Med gray and yell-brn sandy clay; moist, med. plast, rel. stiff; sand ≤ 40%	0.0 ppm	N/A	1531 N/A	
	6				1533	
	7	Predom. med. gray sandy clay; moist plastic, rel. stiff; sand ≤ 25%.	0.0 ppm		20121717	
	8	No Recovery	N/A		N/A	Run #3 8-12 ft D: 4 ft R: 3.3 ft water at 9.8 ft BGS.
	9	Med. gray sandy clay (As Above).	0.0 ppm		1538 20121717	
	10		N/A		N/A	

HTRW DRILLING LOG

HOLE NUMBER SB-37

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Pale yellow-brown clay sand, wet, F- to m-grnd, massive.	N/A	11-24 LT	N/A	
		Yellow-brn sand, wet.				
	12	No Recovery				
		No soil drilling sampling				
	13		N/A		N/A	
	14	End of Boring				TD = 14 ft
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TS-SB-28

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: SAIC

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: Ft. Stewart/SWMU 27F

5. NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig; 2-in. Macro-core barrel with Acetate liner; 1-in. diam. screen water sampler.

8. HOLE LOCATION: See Below

9. SURFACE ELEVATION:

10. DATE STARTED: 1/29/08

11. DATE COMPLETED: 1/29/08

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 99 Ft BGS.

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 14.0 Ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	N/A	N/A	N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	—	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	

LOCATION SKETCH/COMMENTS

SCALE:

See Page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-26

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	1	Refer to boring TJ-SB-26 for Lithologic log.	0.0 ppm		N/A	Run #1 0-4 Ft D: 4 Ft R: 3.6 Ft
	2		1.1 ppm		0928 TJ-SB-26-2-3	
	3					
	4	No Recovery	N/A		N/A	Run #2 4-8 Ft D: 4 Ft R: 3.6 Ft
	5		0.0 ppm	N/A	0934 N/A	
	6				0936	
	7		1.4 ppm		N/A	
	8	No Recovery	N/A		N/A	Run #3 8-12 Ft D: 4 Ft R: 3.2 Ft
	9		152 ppm		0941 TJ-SB-26-8-9	
	10		N/A		N/A	Water at 9.9 Ft BGS.

HTRW DRILLING LOG

HOLE NUMBER SB-28

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	See Above	N/A	TT 28 11	N/A	
	12					
	13	No soil ~~drilling~~ TR Sampling	N/A		N/A	
	14	End of Boring				TD = 14 ft
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TS-SB-29

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: SAIC

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: Ft. Stewart/SWMU 27F

5. NAME OF DRILLER: Chris Horner

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig; 2-in. Macro-core barrell sj with Acetate liners; 1-in. diam. screen water sampler.

8. HOLE LOCATION: See Below

9. SURFACE ELEVATION:

10. DATE STARTED: 1/29/05

11. DATE COMPLETED: 1/29/05

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 9.2 Ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 13.0 Ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES: ~~DISTURBED~~ N/A ~~UNDISTURBED~~ N/A

19. TOTAL NUMBER OF CORE BOXES: N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	—	SVOC		—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	Vincent Coffey

LOCATION SKETCH/COMMENTS

SCALE:

See Page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-29

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Griffey

SHEET 2 OF 3

28

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0–1	Refer to boring TJ-SB-27 for representative lithologic log.	0.0 ppm		N/A	Run #1 0-4 ft D: 4 ft R: 3.1 ft
	1–2				1043	
	2–3		0.0 ppm		N/A	Perched water: 2.7-3.2 ft.
	3–4	No Recovery	N/A		N/A	
	4–5		0.0 ppm	N/A	1050 N/A	Run #2 4-8 ft D: 4 ft R: 3.5 ft
	5–6					
	6–7		0.0 ppm		1053 TJ 12931 (Dup) TJ 12932 (Reg)	
	7–8	No Recovery	N/A		N/A	
	8–9		0.0 ppm		1101 TJ 12933	Run #3 8-12 ft D: 4 ft R: 3.0 ft
	9–10		N/A	TJ 12934	N/A	water at 9.2 ft BGS.

HTRW DRILLING LOG

HOLE NUMBER SB-29

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Caffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	See Above	N/A	11-12-11	N/A	
	12	No Recovery				
	13	No soil ~~Drilling~~ Sampling BC	N/A		N/A	
		End of Boring				TD = 13 ft

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TS-SB-34

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: SAIC

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: Ft. Stewart / SWMU 27F

5. NAME OF DRILLER: Chris Horner

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 truck-mounted DPT rig; 2-in. Diam. Macro-core barrell with Acetate liners; 1-in. diam. screen water sampler.

8. HOLE LOCATION: See Below

9. SURFACE ELEVATION:

10. DATE STARTED: 1/29/08

11. DATE COMPLETED: 1/29/08

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 9.4 Ft BGS.

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 13.0 Ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	N/A	N/A	N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	—	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	Timothy Coffey

LOCATION SKETCH/COMMENTS

SCALE:

See Page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-36 (56)

PROJECT: Fort Stewart/Hunter | INSPECTOR Timothy Coffey | SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	Dk gray-brn silty sand topsoil: moist, F-grnd, organics	0.0 ppm		N/A	Run #1 0-4 ft D: 4 ft R: 3.5 ft
	1	Black sandy silt; dry, v. F-grnd, salt + pepper, gen, massive.				
	2		5.3 ppm		1232 TJ13081	
	3	Dk grn to yell-brn to pale yell-brn sand; dry, F-grnd, rel. packed - top / loose - bottom.				
	4	No Recovery	N/A	N/A	N/A	
	4	As Above		N/A	1234	Run #2 4-8 ft D: 4 ft R: 3.7 ft
	5	Med-gray and Yell-brown sandy clay; moist, rel. stiff, mod. plast.	0.0 ppm		N/A	
	6				1235	
	7	Predom yell-brn and red sandy clay; moist, rel. soft, sl plastic (with mnr med gray coloring) more sand.	0.0 ppm		N/A	
	8	No Recovery	N/A		N/A	
	8	As Above			1238 TJ13082	Run #3 8-12 ft D: 4 ft R: 3.1 ft water at 9.4 ft BGS.
	9		0.0 ppm			
	9	Lt brn gray clay sand to sand; wet, mottled, F-grnd, non-plast.	N/A	TJ13011	N/A	
	10					

HTRW DRILLING LOG

HOLE NUMBER SB-36

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	As Above Red-yellow sand; wet, F-grnd, gen massive.	N/A	TS43011	N/A	
	12	No Recovery				
	13	No Soil ~~Drilling~~ Sampling TSC	N/A		N/A	
		End of Boring				TD = 13 ft.

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TS-SB-31

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: SAIC

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: Ft. Stewart/SWMU 275

5. NAME OF DRILLER: Chris Hamer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig; 2-in. diam. Macro-Core barrel with Acetate liners; 1-in. diam. screen water sampler

8. HOLE LOCATION: See Below

9. SURFACE ELEVATION:

10. DATE STARTED: 1/29/98

11. DATE COMPLETED: 1/29/98

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 8.3 Ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 13.0 Ft BGS

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED: N/A	UNDISTURBED: N/A	19. TOTAL NUMBER OF CORE BOXES: N/A			
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC: BTEX	METALS: —	OTHER (SPECIFY): 5VOC-	OTHER (SPECIFY): —	OTHER (SPECIFY): —	21. TOTAL CORE RECOVERY %
22. DISPOSITION OF HOLE	BACKFILLED: X	MONITORING WELL: —	OTHER (SPECIFY): —	23. SIGNATURE OF INSPECTOR: Timothy Coffey		

LOCATION SKETCH/COMMENTS

SCALE:

See Page 31 this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-31

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A	N/A	N/A	Run #1 Ø.6 4 ft D: 3.4 ft R: 3.Ø ft
	1	Med gray, yell-brn, and red silty clay: moist, rel. stiff, mod. plastic, mottled.	1.9 ppm		N/A	
	2	Black sandy silt: dry, v. F-grnd, mass/unif, loose.			1329	
	3	DK yell-brn to p. yell-brown silty sand: dry, F-grnd, rel. loose, lighter w/depth.	3.Ø ppm		TJ13181	
	4	No Recovery	N/A	N/A	N/A	Run #2 4-8 ft D: 4 ft R: 3.2 ft
	5	Med gray and DK yell-brn sandy clay: moist, rel. stiff, mottled, mod. plast.	Ø.Ø ppm		1332 N/A	
	6	Predom. med gray clay: moist, stiff, sl. plastic, rare red mottling.	Ø.3 ppm		1333 TJ13182	
	7	No Recovery	N/A		N/A	Water at 8.3 ft BGS. Run #3 8-12 ft D: 4 ft R: 3.5
	8	Med. gray clay (As Above)				
	9	Med-gray silty sand: wet, F-grnd, massive.	N/A	TJ43111	N/A	
	10	See below				

HTRW DRILLING LOG

HOLE NUMBER SB-3

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Red-yellow sand; wet, F- to m-grnd, mottled.				
		Med. gray silty sand; wet, F-grnd, massive/unif., sugary.	N/A	TS43111	N/A	
	12	No Recovery				
		No soil ~~Drilling~~ EIC Sampling	N/A		N/A	
	13	End of Boring				TD = 13 ft.
	14					
	15					
	16					
	17					
	18					
	19					
	20					

5-1

HTRW DRILLING LOG

	DISTRICT: USACE Savannah	HOLE NUMBER TS-SB-32
1. COMPANY NAME: SAIC	2. DRILL SUBCONTRACTOR: SAIC	SHEET 1 OF 3
3. PROJECT: Fort Stewart/Hunter	4. LOCATION: Ft. Stewart/SWMU 27 F	
5. NAME OF DRILLER: Chris Homer	6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig; 2-in. diam. Macro-core barrel with Acetate liners; 1-in. diam. screened water sampler.	8. HOLE LOCATION: See Below	
	9. SURFACE ELEVATION:	
	10. DATE STARTED: 1/29/08	11. DATE COMPLETED: 1/29/08
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: 9.8 Ft BGS	
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A	
14. TOTAL DEPTH OF HOLE: 14.0 Ft BGS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	N/A	N/A	N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	—	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	Timothy Coffey

LOCATION SKETCH/COMMENTS — SCALE:

See Page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-32

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A	N/A	N/A	Run #1
	1	Red and med gray sandy clay; moist, mod. plastic, rel. stiff, mottled.	0.0 ppm		N/A	0.6 - 4 Rt D: 3.4 Rt R: 3.0 Rt
	2					
		Black sandy silt; dry, v. F-grnd, loose, mass/uniform.	1.8 ppm		1438 SB32S1	
	3	Gray sand.				
		Brown silty sand: dry, F-grnd, massive.				
		No Recovery	N/A		N/A	
	4					Run #2
		Predom med gray and yellow-brn sandy clay; moist, mod. plastic, rel. stiff, mottled (rare red color).	0.0 ppm	N/A	1445 N/A	4 - 8 Rt D: 4 Rt R: 3.7 Rt
	5					
	6				1447 SB32S2	
		Gray sandy clay; moist, med plast, rel. stiff.	59.4 ppm			
	7					
		No Recovery	N/A		N/A	
	8					Run #3
		Brown-gray sandy clay/ clay sand.			1454	8 - 12 Rt D: 4 Rt R: 3.2 Rt
		Med. gray clay (to sandy clay: moist, stiff, sl- to mod. plastic; sand ≤ 10%	42.0 ppm		N/A	
	9					
						Water at 9.8 Ft BGS.
	10	See Below	N/A		N/A	

HTRW DRILLING LOG

HOLE NUMBER SB-32

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Lt. Red-yellow silty Sand, wet, F-grnd, massive.				
		Lt-grey Sand, wet, F-to m-grnd, sugary.	N/A		N/A	
	12	No Recovery		754321 (Reg) 754322 (Dup),		
		No Soil ~~Drilling~~ TIC Sampling				
	13		N/A		N/A	
	14	End of Boring				TD = 14 ft
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TS-SB-33

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: SAIC

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: Ft. Stewart/SWMU 37F

5. NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig; 2-in. diam. Macro-core barrell with Acetate liners; 1-in. diam. screened water sampler.

8. HOLE LOCATION: See Below

9. SURFACE ELEVATION:

10. DATE STARTED: 1/29/08

11. DATE COMPLETED: 1/29/08

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 9.8 Ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 14.0 Ft BGS

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	N/A	N/A	N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	—	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	

LOCATION SKETCH/COMMENTS

SCALE:

See Page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBERS B-33

PROJECT: Fort Stewart/Hunter | INSPECTOR Timothy Coffey | SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	Concrete	N/A	N/A	N/A	
	1	Red and med. gray sandy clay; moist to dry, st. to mod. plastic, very stiff. (rare yell-brn mottling)	0.0 ppm	N/A	N/A	Run #1 0.6 - 4.0 Ft D: 3.4 ft R: 3.2 ft
	2					
	3	Black sandy silt; dry, v. F-grnd, mass/uniform	2.9 ppm		1551 TJ13381	
		DK yellow-brn silty sand; dry, F-grnd, rel. loose,				
	4	No Recovery	N/A		N/A	Run #2 4-8 Ft D: 4 ft R: 3.7 ft
	5	Predom med gray and yellow-brn sandy clay; moist, rel. stiff,	29.8 ppm	N/A	1556 N/A	
	6				1557	
	7	Gray clay; moist, stiff, plastic; mnr red mottling.	75.4 ppm		N/A	
	8	No Recovery	N/A		N/A	Run #3 8-12 Ft D: 4 ft R: 3.2
	9	Gray clay (As Above) rare to mnr sand. some mottling.	101 ppm		1601 TJ13382	Water at 9.8 ft BGS
	10		N/A		N/A	

HTRW DRILLING LOG

HOLE NUMBER SB-33

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Gray clay / sandy clay (As Above)				
		Lt. yellow-gray to white sand: wet, F-grnd, moss., sugary.	N/A	TT43311	N/A	
	12	No Recovery				
		No Soil Sampling ↓	N/A		N/A	
	13					
	14	End of Boring				TD = 14 ft
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: TJ-SB-34

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: SAIC

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: Ft. Stewart / SWMU 27F

5. NAME OF DRILLER: Chris Horner

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig; 2-in. diam. Macro-core barrel w/ Acetate liners; 1-in. diam. screened water sampler.

8. HOLE LOCATION: See Below

9. SURFACE ELEVATION:

10. DATE STARTED: 1/30/08

11. DATE COMPLETED: 1/30/08

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 11.2 Ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A

14. TOTAL DEPTH OF HOLE: 15.0 Ft BGS

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES
	N/A	N/A	N/A

20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
	BTEX	—	SVOC	—	—	

22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR
	X	—	—	

LOCATION SKETCH/COMMENTS

SCALE:

See Page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER SB-34

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	Concrete	N/A	N/A	N/A	
	1	med-gray and red mottled sandy clay.			ϕ912	Run #1 ϕ.6-4 ft D: 3.4 ft R: 2.7 ft
	2	Brn-yellow clay sand.	12.3 ppm		N/A	
	3	Black-gray silty sand: salt + pepper Brown silty sand.				
	4	No Recovery	N/A		N/A	
		As Above.			ϕ918	Run #2 4-8 ft D: 4 ft R: 3.2 ft
	5	Predom gray sandy clay: moist, med. plastic, rare DK yell-brn mottling.	2.3 ppm	N/A	N/A	
	6		102 ppm		ϕ924 TI3481	Product odor
	7					
	8	No Recovery	N/A		N/A	
		gray and DK yell-brn mottled sandy clay (As Above)	34.0 ppm		ϕ928 NB4214	Run #3 8-12 ft D: 4 ft R: 3.2
	9	Gray clay: moist, v. stiff, sl. plast.				
	10	See Below	14.6 ppm		ϕ931	

HTRW DRILLING LOG

HOLE NUMBER SB-34

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Gray sandy clay; moist, stiff, many yell-brn mottling.	1.5 ppm	N/A	N/A	Water at 11.2 Ft BGS
		Yell-brn silty sand.				
	12	No Recovery	N/A		N/A	
	13	No Soil Sampling ↓	N/A	TERMINATED	N/A	
	15	End of Boring				TD = 15 ft
	16					
	17					
	18					
	19					
	20					

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HTRW DRILLING LOG

	DISTRICT: USACE Savannah	HOLE NUMBER: FS-SB-35
1. COMPANY NAME: SAIC	2. DRILL SUBCONTRACTOR: SAIC	SHEET 1 OF 3
3. PROJECT: Fort Stewart/Hunter	4. LOCATION: Ft. Stewart/SWMU 27F	
5. NAME OF DRILLER: Chris Homer	6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 truck-mounted DPT rig; 2-in. dtscrete interval soil sampler w/ Acetate liners; 1-in. diam. screen water-sampler.	8. HOLE LOCATION: See Below	
	9. SURFACE ELEVATION:	
	10. DATE STARTED: 1/30/08	11. DATE COMPLETED: 1/30/08
12. OVERBURDEN THICKNESS: N/A	15. DEPTH GROUNDWATER ENCOUNTERED: 11-12 Ft BGS	
13. DEPTH DRILLED INTO ROCK: N/A	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A	
14. TOTAL DEPTH OF HOLE: 15.0 Ft	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A	

18. GEOTECHNICAL SAMPLES	~~UNDISTURBED~~ N/A	~~UNDISTURBED~~ N/A	19. TOTAL NUMBER OF CORE BOXES: N/A				
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %	
	BTEX	—	SVOC	—	—		
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR			
	X	—	—				

LOCATION SKETCH/COMMENTS — SCALE:

See Page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER: SB 35

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A	N/A	N/A	Run #1
	1	Dark brown silty sand; dry, loose.	9.7 ppm		1025	0.6-4 ft
		Black-gray silty sand; salt & pepper				D: 3.4 ft
	2	Yellow-brown sand; dry, F-grnd, rel. loose, "dirty"			751358@1	R: 2.1 ft
		Med. gray and red mottled → sandy clay;				
	3	No Recovery	N/A		N/A	
	4					Run #2
		Nothing recovered from this interval (see task-activity log).	N/A	N/A	N/A	4-8 ft
	5					D: 4 ft
						R: 0 ft
	6					
	7					
	8					Run #3
		Med-gray and pale red sandy clay; moist, rel. stiff, sl. plastic, mottled	0.0 ppm		1324	8-12 ft
	9	Med dk gray and Yellow-brn sandy clay; moist, v. stiff, sl. plastic,			N/A	D: 4 ft
			0.0 ppm		1326 751358@2	R: 3.0 ft
	10					

HTRW DRILLING LOG

HOLE NUMBER SB-35

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Med dk gray and yell-brn mottled sandy clay (As Above)	0.0 ppm	N/A	1326 7513502	
	12	No Recovery	N/A		N/A	
	13	No soil sampling ↓	N/A	TT43511 (Reg) TT43521 (Dup)	N/A	
	14					
	15	End of Boring				TD = 15 ft
	16					
	17					
	18					
	19					
	20					

APPENDIX C

ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS

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STATE OF GEORGIA
ENVIRONMENTAL LABORATORY ACCREDITATION

	Name of Laboratory:	**General Engineering Laboratories, Inc.**
	Address:	P.O. Box 30712 2040 Savage Road Charleston, SC 29407
	Contact:	Bob Pullano
	Telephone number:	(843) 556-8171
	Fax number:	(843) 766-1178
#1	Accrediting Authority:	**State of South Carolina**
	Accreditation Number:	SC-10120001
	Effective Date:	Extension granted while recertification in process; January 27, 2003
	Expiration Date:	March 26, 2008
	Accreditation Scope:	SDWA, CWA, RCRA, CERCLA
#2	Accrediting Authority:	**State of Florida**
	Accreditation Number:	E-87156
	Effective Date:	July 1, 2001 (initial and reaccredited on July 1 each year thereafter)
	Expiration Date:	June 30, 2008
	Accreditation Scope:	SDWA, CWA, RCRA, CERCLA

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ANALYTICAL SOIL RESULTS AND CHAIN-OF-CUSTODY FORMS

JULY 2007

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Fort Stewart - SWMU 27F

Station: 7J-SB-15
Sample ID: 7J1M21 Media: Soil Depth: 10 - 12 FT
Date Collected: 07/11/2007 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
SW846 8260B	Benzene	5.19	UG/KG		=		0.956	1
	Ethylbenzene	232	UG/KG	D	=		94.1	50
	Toluene	0.956	UG/KG	U	U		0.956	1
	Xylenes, Total	737	UG/KG	D	=		94.1	50
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	395	UG/KG	U	U		395	1
	1,2-Dichlorobenzene	395	UG/KG	U	U		395	1
	1,3-Dichlorobenzene	395	UG/KG	U	U		395	1
	1,4-Dichlorobenzene	395	UG/KG	U	U		395	1
	2,4,5-Trichlorophenol	395	UG/KG	U	U		395	1
	2,4,6-Trichlorophenol	395	UG/KG	U	U		395	1
	2,4-Dichlorophenol	395	UG/KG	U	U		395	1
	2,4-Dimethylphenol	395	UG/KG	U	U		395	1
	2,4-Dinitrophenol	790	UG/KG	U	U		790	1
	2,4-Dinitrotoluene	395	UG/KG	U	U		395	1
	2,6-Dinitrotoluene	395	UG/KG	U	U		395	1
	2-Chloronaphthalene	39.5	UG/KG	U	U		39.5	1
	2-Chlorophenol	395	UG/KG	U	U		395	1
	2-Methyl-4,6-dinitrophenol	395	UG/KG	U	U		395	1
	2-Methylnaphthalene	3860	UG/KG		=		39.5	1
	2-Methylphenol	395	UG/KG	U	U		395	1
	2-Nitroaniline	395	UG/KG	U	U		395	1
	2-Nitrophenol	395	UG/KG	U	U		395	1
	3,3'-Dichlorobenzidine	395	UG/KG	U	U		395	1
	3-Nitroaniline	395	UG/KG	U	UJ	C05	395	1
	4-Bromophenyl phenyl ether	395	UG/KG	U	U		395	1
	4-Chloro-3-methylphenol	395	UG/KG	U	U		395	1
	4-Chloroaniline	395	UG/KG	U	U		395	1
	4-Chlorophenyl phenyl ether	395	UG/KG	U	U		395	1
	4-Methylphenol	395	UG/KG	U	U		395	1
	4-Nitroaniline	395	UG/KG	U	U		395	1
	4-Nitrophenol	395	UG/KG	U	U		395	1
	Acenaphthene	39.5	UG/KG	U	U		39.5	1
	Acenaphthylene	39.5	UG/KG	U	U		39.5	1
	Anthracene	39.5	UG/KG	U	U		39.5	1
	Benz(a)anthracene	39.5	UG/KG	U	U		39.5	1
	Benzenemethanol	395	UG/KG	U	U		395	1
	Benzo(a)pyrene	39.5	UG/KG	U	U		39.5	1
	Benzo(b)fluoranthene	39.5	UG/KG	U	U		39.5	1
	Benzo(ghi)perylene	39.5	UG/KG	U	U		39.5	1
	Benzo(k)fluoranthene	39.5	UG/KG	U	U		39.5	1
	Benzoic acid	790	UG/KG	U	U		790	1
	Bis(2-chloroethoxy)methane	395	UG/KG	U	U		395	1
	Bis(2-chloroethyl) ether	395	UG/KG	U	U		395	1
	Bis(2-chloroisopropyl) ether	395	UG/KG	U	U		395	1
	Bis(2-ethylhexyl)phthalate	198	UG/KG	U	U		198	1
	Butyl benzyl phthalate	395	UG/KG	U	U		395	1
	Carbazole	39.5	UG/KG	U	U		39.5	1
	Chrysene	39.5	UG/KG	U	U		39.5	1
	Di-n-butyl phthalate	395	UG/KG	U	U		395	1
	Di-n-octylphthalate	395	UG/KG	U	U		395	1
	Dibenz(a,h)anthracene	39.5	UG/KG	U	U		39.5	1
	Dibenzofuran	395	UG/KG	U	U		395	1
	Diethyl phthalate	395	UG/KG	U	U		395	1
	Dimethyl phthalate	395	UG/KG	U	U		395	1

Station: 7J-SB-15
Sample ID: 7J1M21 Media: Soil Depth: 10 - 12 FT
Date Collected: 07/11/2007 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	Diphenylamine	395	UG/KG	U	U		395	1
	Fluoranthene	39.5	UG/KG	U	U		39.5	1
	Fluorene	39.5	UG/KG	U	U		39.5	1
	Hexachlorobenzene	395	UG/KG	U	U		395	1
	Hexachlorobutadiene	395	UG/KG	U	U		395	1
	Hexachlorocyclopentadiene	395	UG/KG	U	U		395	1
	Hexachloroethane	395	UG/KG	U	U		395	1
	Indeno(1,2,3-cd)pyrene	39.5	UG/KG	U	U		39.5	1
	Isophorone	395	UG/KG	U	U		395	1
	N-Nitroso-di-n-propylamine	395	UG/KG	U	U		395	1
	Naphthalene	590	UG/KG		=		39.5	1
	Nitrobenzene	395	UG/KG	U	U		395	1
	Pentachlorophenol	395	UG/KG	U	U		395	1
	Phenanthrene	1590	UG/KG		=		39.5	1
	Phenol	395	UG/KG	U	U		395	1
	Pyrene	311	UG/KG		=		39.5	1

Station: 7J-SB-15
Sample ID: 7J1M81 Media: Soil Depth: 8 - 10 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
SW846 8260B	Benzene	0.918	UG/KG	U	U		0.918	1
	Ethylbenzene	18.5	UG/KG		=		0.918	1
	Toluene	0.918	UG/KG	U	U		0.918	1
	Xylenes, Total	6.49	UG/KG		=		0.918	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	380	UG/KG	U	U		380	1
	1,2-Dichlorobenzene	380	UG/KG	U	U		380	1
	1,3-Dichlorobenzene	380	UG/KG	U	U		380	1
	1,4-Dichlorobenzene	380	UG/KG	U	U		380	1
	2,4,5-Trichlorophenol	380	UG/KG	U	U		380	1
	2,4,6-Trichlorophenol	380	UG/KG	U	U		380	1
	2,4-Dichlorophenol	380	UG/KG	U	U		380	1
	2,4-Dimethylphenol	380	UG/KG	U	U		380	1
	2,4-Dinitrophenol	759	UG/KG	U	U		759	1
	2,4-Dinitrotoluene	380	UG/KG	U	U		380	1
	2,6-Dinitrotoluene	380	UG/KG	U	U		380	1
	2-Chloronaphthalene	38	UG/KG	U	U		38	1
	2-Chlorophenol	380	UG/KG	U	U		380	1
	2-Methyl-4,6-dinitrophenol	380	UG/KG	U	U		380	1
	2-Methylnaphthalene	672	UG/KG		=		38	1
	2-Methylphenol	380	UG/KG	U	U		380	1
	2-Nitroaniline	380	UG/KG	U	U		380	1
	2-Nitrophenol	380	UG/KG	U	U		380	1
	3,3'-Dichlorobenzidine	380	UG/KG	U	U		380	1
	3-Nitroaniline	380	UG/KG	U	UJ	C05	380	1
	4-Bromophenyl phenyl ether	380	UG/KG	U	U		380	1
	4-Chloro-3-methylphenol	380	UG/KG	U	U		380	1
	4-Chloroaniline	380	UG/KG	U	U		380	1
	4-Chlorophenyl phenyl ether	380	UG/KG	U	U		380	1
	4-Methylphenol	380	UG/KG	U	U		380	1
	4-Nitroaniline	380	UG/KG	U	U		380	1

Station: 7J-SB-15
Sample ID: 7J1M81 Media: Soil Depth: 8 - 10 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	4-Nitrophenol	380	UG/KG	U	U		380	1
	Acenaphthene	38	UG/KG	U	U		38	1
	Acenaphthylene	38	UG/KG	U	U		38	1
	Anthracene	38	UG/KG	U	U		38	1
	Benz(a)anthracene	38	UG/KG	U	U		38	1
	Benzenemethanol	380	UG/KG	U	U		380	1
	Benzo(a)pyrene	38	UG/KG	U	U		38	1
	Benzo(b)fluoranthene	38	UG/KG	U	U		38	1
	Benzo(ghi)perylene	38	UG/KG	U	U		38	1
	Benzo(k)fluoranthene	38	UG/KG	U	U		38	1
	Benzoic acid	759	UG/KG	U	U		759	1
	Bis(2-chloroethoxy)methane	380	UG/KG	U	U		380	1
	Bis(2-chloroethyl) ether	380	UG/KG	U	U		380	1
	Bis(2-chloroisopropyl) ether	380	UG/KG	U	U		380	1
	Bis(2-ethylhexyl)phthalate	190	UG/KG	U	U		190	1
	Butyl benzyl phthalate	380	UG/KG	U	U		380	1
	Carbazole	38	UG/KG	U	U		38	1
	Chrysene	38	UG/KG	U	U		38	1
	Di-n-butyl phthalate	380	UG/KG	U	U		380	1
	Di-n-octylphthalate	380	UG/KG	U	U		380	1
	Dibenz(a,h)anthracene	38	UG/KG	U	U		38	1
	Dibenzofuran	380	UG/KG	U	U		380	1
	Diethyl phthalate	380	UG/KG	U	U		380	1
	Dimethyl phthalate	380	UG/KG	U	U		380	1
	Diphenylamine	380	UG/KG	U	U		380	1
	Fluoranthene	38	UG/KG	U	U		38	1
	Fluorene	122	UG/KG		=		38	1
	Hexachlorobenzene	380	UG/KG	U	U		380	1
	Hexachlorobutadiene	380	UG/KG	U	U		380	1
	Hexachlorocyclopentadiene	380	UG/KG	U	U		380	1
	Hexachloroethane	380	UG/KG	U	U		380	1
	Indeno(1,2,3-cd)pyrene	38	UG/KG	U	U		38	1
	Isophorone	380	UG/KG	U	U		380	1
	N-Nitroso-di-n-propylamine	380	UG/KG	U	U		380	1
	Naphthalene	76.5	UG/KG		=		38	1
	Nitrobenzene	380	UG/KG	U	U		380	1
	Pentachlorophenol	380	UG/KG	U	U		380	1
	Phenanthrene	298	UG/KG		=		38	1
	Phenol	380	UG/KG	U	U		380	1
	Pyrene	46.6	UG/KG		=		38	1

Station: 7J-SB-15
Sample ID: 7J1M82 Media: Soil Depth: 10 - 12 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
SW846 8260B	Benzene	4.27	UG/KG		=		0.965	1
	Ethylbenzene	38.3	UG/KG		=		0.965	1
	Toluene	0.965	UG/KG	U	U		0.965	1
	Xylenes, Total	121	UG/KG		=		0.965	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	399	UG/KG	U	U		399	1
	1,2-Dichlorobenzene	399	UG/KG	U	U		399	1

Station: 7J-SB-15
Sample ID: 7J1M82 Media: Soil Depth: 10 - 12 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,3-Dichlorobenzene	399	UG/KG	U	U		399	1
	1,4-Dichlorobenzene	399	UG/KG	U	U		399	1
	2,4,5-Trichlorophenol	399	UG/KG	U	U		399	1
	2,4,6-Trichlorophenol	399	UG/KG	U	U		399	1
	2,4-Dichlorophenol	399	UG/KG	U	U		399	1
	2,4-Dimethylphenol	399	UG/KG	U	U		399	1
	2,4-Dinitrophenol	798	UG/KG	U	U		798	1
	2,4-Dinitrotoluene	399	UG/KG	U	U		399	1
	2,6-Dinitrotoluene	399	UG/KG	U	U		399	1
	2-Chloronaphthalene	39.9	UG/KG	U	U		39.9	1
	2-Chlorophenol	399	UG/KG	U	U		399	1
	2-Methyl-4,6-dinitrophenol	399	UG/KG	U	U		399	1
	2-Methylnaphthalene	4730	UG/KG		=		39.9	1
	2-Methylphenol	399	UG/KG	U	U		399	1
	2-Nitroaniline	399	UG/KG	U	U		399	1
	2-Nitrophenol	399	UG/KG	U	U		399	1
	3,3'-Dichlorobenzidine	399	UG/KG	U	U		399	1
	3-Nitroaniline	399	UG/KG	U	UJ	C05	399	1
	4-Bromophenyl phenyl ether	399	UG/KG	U	U		399	1
	4-Chloro-3-methylphenol	399	UG/KG	U	U		399	1
	4-Chloroaniline	399	UG/KG	U	U		399	1
	4-Chlorophenyl phenyl ether	399	UG/KG	U	U		399	1
	4-Methylphenol	399	UG/KG	U	U		399	1
	4-Nitroaniline	399	UG/KG	U	U		399	1
	4-Nitrophenol	399	UG/KG	U	U		399	1
	Acenaphthene	39.9	UG/KG	U	U		39.9	1
	Acenaphthylene	39.9	UG/KG	U	U		39.9	1
	Anthracene	39.9	UG/KG	U	U		39.9	1
	Benz(a)anthracene	39.9	UG/KG	U	U		39.9	1
	Benzenemethanol	399	UG/KG	U	U		399	1
	Benzo(a)pyrene	39.9	UG/KG	U	U		39.9	1
	Benzo(b)fluoranthene	39.9	UG/KG	U	U		39.9	1
	Benzo(ghi)perylene	39.9	UG/KG	U	U		39.9	1
	Benzo(k)fluoranthene	39.9	UG/KG	U	U		39.9	1
	Benzoic acid	798	UG/KG	U	U		798	1
	Bis(2-chloroethoxy)methane	399	UG/KG	U	U		399	1
	Bis(2-chloroethyl) ether	399	UG/KG	U	U		399	1
	Bis(2-chloroisopropyl) ether	399	UG/KG	U	U		399	1
	Bis(2-ethylhexyl)phthalate	199	UG/KG	U	U		199	1
	Butyl benzyl phthalate	399	UG/KG	U	U		399	1
	Carbazole	39.9	UG/KG	U	U		39.9	1
	Chrysene	39.9	UG/KG	U	U		39.9	1
	Di-n-butyl phthalate	399	UG/KG	U	U		399	1
	Di-n-octylphthalate	399	UG/KG	U	U		399	1
	Dibenz(a,h)anthracene	39.9	UG/KG	U	U		39.9	1
	Dibenzofuran	399	UG/KG	U	U		399	1
	Diethyl phthalate	399	UG/KG	U	U		399	1
	Dimethyl phthalate	399	UG/KG	U	U		399	1
	Diphenylamine	399	UG/KG	U	U		399	1
	Fluoranthene	39.9	UG/KG	U	U		39.9	1
	Fluorene	678	UG/KG		=		39.9	1
	Hexachlorobenzene	399	UG/KG	U	U		399	1
	Hexachlorobutadiene	399	UG/KG	U	U		399	1
	Hexachlorocyclopentadiene	399	UG/KG	U	U		399	1
	Hexachloroethane	399	UG/KG	U	U		399	1
	Indeno(1,2,3-cd)pyrene	39.9	UG/KG	U	U		39.9	1

Station: 7J-SB-15
Sample ID: 7J1M82 Media: Soil Depth: 10 - 12 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	Isophorone	399	UG/KG	U	U		399	1
	N-Nitroso-di-n-propylamine	399	UG/KG	U	U		399	1
	Naphthalene	768	UG/KG		=		39.9	1
	Nitrobenzene	399	UG/KG	U	U		399	1
	Pentachlorophenol	399	UG/KG	U	U		399	1
	Phenanthrene	1720	UG/KG		=		39.9	1
	Phenol	399	UG/KG	U	U		399	1
	Pyrene	338	UG/KG		=		39.9	1

Station: 7J-SB-16
Sample ID: 7J1N81 Media: Soil Depth: 5.9 - 7.8 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
SW846 8260B	Benzene	0.958	UG/KG	U	U		0.958	1
	Ethylbenzene	0.958	UG/KG	U	U		0.958	1
	Toluene	0.958	UG/KG	U	U		0.958	1
	Xylenes, Total	0.958	UG/KG	U	U		0.958	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	377	UG/KG	U	U		377	1
	1,2-Dichlorobenzene	377	UG/KG	U	U		377	1
	1,3-Dichlorobenzene	377	UG/KG	U	U		377	1
	1,4-Dichlorobenzene	377	UG/KG	U	U		377	1
	2,4,5-Trichlorophenol	377	UG/KG	U	U		377	1
	2,4,6-Trichlorophenol	377	UG/KG	U	U		377	1
	2,4-Dichlorophenol	377	UG/KG	U	U		377	1
	2,4-Dimethylphenol	377	UG/KG	U	U		377	1
	2,4-Dinitrophenol	753	UG/KG	U	U		753	1
	2,4-Dinitrotoluene	377	UG/KG	U	U		377	1
	2,6-Dinitrotoluene	377	UG/KG	U	U		377	1
	2-Chloronaphthalene	37.7	UG/KG	U	U		37.7	1
	2-Chlorophenol	377	UG/KG	U	U		377	1
	2-Methyl-4,6-dinitrophenol	377	UG/KG	U	U		377	1
	2-Methylnaphthalene	37.7	UG/KG	U	U		37.7	1
	2-Methylphenol	377	UG/KG	U	U		377	1
	2-Nitroaniline	377	UG/KG	U	U		377	1
	2-Nitrophenol	377	UG/KG	U	U		377	1
	3,3'-Dichlorobenzidine	377	UG/KG	U	U		377	1
	3-Nitroaniline	377	UG/KG	U	UJ	C05	377	1
	4-Bromophenyl phenyl ether	377	UG/KG	U	U		377	1
	4-Chloro-3-methylphenol	377	UG/KG	U	U		377	1
	4-Chloroaniline	377	UG/KG	U	U		377	1
	4-Chlorophenyl phenyl ether	377	UG/KG	U	U		377	1
	4-Methylphenol	377	UG/KG	U	U		377	1
	4-Nitroaniline	377	UG/KG	U	U		377	1
	4-Nitrophenol	377	UG/KG	U	U		377	1
	Acenaphthene	37.7	UG/KG	U	U		37.7	1
	Acenaphthylene	37.7	UG/KG	U	U		37.7	1
	Anthracene	37.7	UG/KG	U	U		37.7	1
	Benz(a)anthracene	37.7	UG/KG	U	U		37.7	1
	Benzenemethanol	377	UG/KG	U	U		377	1
	Benzo(a)pyrene	37.7	UG/KG	U	U		37.7	1

Station: 7J-SB-16
Sample ID: 7J1N81 Media: Soil Depth: 5.9 - 7.8 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	Benzo(b)fluoranthene	37.7	UG/KG	U	U		37.7	1
	Benzo(ghi)perylene	37.7	UG/KG	U	U		37.7	1
	Benzo(k)fluoranthene	37.7	UG/KG	U	U		37.7	1
	Benzoic acid	753	UG/KG	U	U		753	1
	Bis(2-chloroethoxy)methane	377	UG/KG	U	U		377	1
	Bis(2-chloroethyl) ether	377	UG/KG	U	U		377	1
	Bis(2-chloroisopropyl) ether	377	UG/KG	U	U		377	1
	Bis(2-ethylhexyl)phthalate	188	UG/KG	U	U		188	1
	Butyl benzyl phthalate	377	UG/KG	U	U		377	1
	Carbazole	37.7	UG/KG	U	U		37.7	1
	Chrysene	37.7	UG/KG	U	U		37.7	1
	Di-n-butyl phthalate	377	UG/KG	U	U		377	1
	Di-n-octylphthalate	377	UG/KG	U	U		377	1
	Dibenz(a,h)anthracene	37.7	UG/KG	U	U		37.7	1
	Dibenzofuran	377	UG/KG	U	U		377	1
	Diethyl phthalate	377	UG/KG	U	U		377	1
	Dimethyl phthalate	377	UG/KG	U	U		377	1
	Diphenylamine	377	UG/KG	U	U		377	1
	Fluoranthene	37.7	UG/KG	U	U		37.7	1
	Fluorene	37.7	UG/KG	U	U		37.7	1
	Hexachlorobenzene	377	UG/KG	U	U		377	1
	Hexachlorobutadiene	377	UG/KG	U	U		377	1
	Hexachlorocyclopentadiene	377	UG/KG	U	U		377	1
	Hexachloroethane	377	UG/KG	U	U		377	1
	Indeno(1,2,3-cd)pyrene	37.7	UG/KG	U	U		37.7	1
	Isophorone	377	UG/KG	U	U		377	1
	N-Nitroso-di-n-propylamine	377	UG/KG	U	U		377	1
	Naphthalene	37.7	UG/KG	U	U		37.7	1
	Nitrobenzene	377	UG/KG	U	U		377	1
	Pentachlorophenol	377	UG/KG	U	U		377	1
	Phenanthrene	37.7	UG/KG	U	U		37.7	1
	Phenol	377	UG/KG	U	U		377	1
	Pyrene	37.7	UG/KG	U	U		37.7	1

Station: 7J-SB-16
Sample ID: 7J1N82 Media: Soil Depth: 8 - 10.9 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
SW846 8260B	Benzene	0.977	UG/KG		=		0.881	1
	Ethylbenzene	21	UG/KG		=		0.881	1
	Toluene	0.881	UG/KG	U	U		0.881	1
	Xylenes, Total	1.59	UG/KG		=		0.881	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	376	UG/KG	U	U		376	1
	1,2-Dichlorobenzene	376	UG/KG	U	U		376	1
	1,3-Dichlorobenzene	376	UG/KG	U	U		376	1
	1,4-Dichlorobenzene	376	UG/KG	U	U		376	1
	2,4,5-Trichlorophenol	376	UG/KG	U	U		376	1
	2,4,6-Trichlorophenol	376	UG/KG	U	U		376	1
	2,4-Dichlorophenol	376	UG/KG	U	U		376	1
	2,4-Dimethylphenol	376	UG/KG	U	U		376	1
	2,4-Dinitrophenol	752	UG/KG	U	U		752	1

Station: 7J-SB-16
Sample ID: 7J1N82 Media: Soil Depth: 8 - 10.9 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	2,4-Dinitrotoluene	376	UG/KG	U	U		376	1
	2,6-Dinitrotoluene	376	UG/KG	U	U		376	1
	2-Chloronaphthalene	37.6	UG/KG	U	U		37.6	1
	2-Chlorophenol	376	UG/KG	U	U		376	1
	2-Methyl-4,6-dinitrophenol	376	UG/KG	U	U		376	1
	2-Methylnaphthalene	2190	UG/KG		=		37.6	1
	2-Methylphenol	376	UG/KG	U	U		376	1
	2-Nitroaniline	376	UG/KG	U	U		376	1
	2-Nitrophenol	376	UG/KG	U	U		376	1
	3,3'-Dichlorobenzidine	376	UG/KG	U	U		376	1
	3-Nitroaniline	376	UG/KG	U	UJ	C05	376	1
	4-Bromophenyl phenyl ether	376	UG/KG	U	U		376	1
	4-Chloro-3-methylphenol	376	UG/KG	U	U		376	1
	4-Chloroaniline	376	UG/KG	U	U		376	1
	4-Chlorophenyl phenyl ether	376	UG/KG	U	U		376	1
	4-Methylphenol	376	UG/KG	U	U		376	1
	4-Nitroaniline	376	UG/KG	U	U		376	1
	4-Nitrophenol	376	UG/KG	U	U		376	1
	Acenaphthene	37.6	UG/KG	U	U		37.6	1
	Acenaphthylene	37.6	UG/KG	U	U		37.6	1
	Anthracene	37.6	UG/KG	U	U		37.6	1
	Benz(a)anthracene	37.6	UG/KG	U	U		37.6	1
	Benzenemethanol	376	UG/KG	U	U		376	1
	Benzo(a)pyrene	37.6	UG/KG	U	U		37.6	1
	Benzo(b)fluoranthene	37.6	UG/KG	U	U		37.6	1
	Benzo(ghi)perylene	37.6	UG/KG	U	U		37.6	1
	Benzo(k)fluoranthene	37.6	UG/KG	U	U		37.6	1
	Benzoic acid	752	UG/KG	U	U		752	1
	Bis(2-chloroethoxy)methane	376	UG/KG	U	U		376	1
	Bis(2-chloroethyl) ether	376	UG/KG	U	U		376	1
	Bis(2-chloroisopropyl) ether	376	UG/KG	U	U		376	1
	Bis(2-ethylhexyl)phthalate	188	UG/KG	U	U		188	1
	Butyl benzyl phthalate	376	UG/KG	U	U		376	1
	Carbazole	37.6	UG/KG	U	U		37.6	1
	Chrysene	37.6	UG/KG	U	U		37.6	1
	Di-n-butyl phthalate	376	UG/KG	U	U		376	1
	Di-n-octylphthalate	376	UG/KG	U	U		376	1
	Dibenz(a,h)anthracene	37.6	UG/KG	U	U		37.6	1
	Dibenzofuran	376	UG/KG	U	U		376	1
	Diethyl phthalate	376	UG/KG	U	U		376	1
	Dimethyl phthalate	376	UG/KG	U	U		376	1
	Diphenylamine	376	UG/KG	U	U		376	1
	Fluoranthene	37.6	UG/KG	U	U		37.6	1
	Fluorene	37.6	UG/KG	U	U		37.6	1
	Hexachlorobenzene	376	UG/KG	U	U		376	1
	Hexachlorobutadiene	376	UG/KG	U	U		376	1
	Hexachlorocyclopentadiene	376	UG/KG	U	U		376	1
	Hexachloroethane	376	UG/KG	U	U		376	1
	Indeno(1,2,3-cd)pyrene	37.6	UG/KG	U	U		37.6	1
	Isophorone	376	UG/KG	U	U		376	1
	N-Nitroso-di-n-propylamine	376	UG/KG	U	U		376	1
	Naphthalene	244	UG/KG		=		37.6	1
	Nitrobenzene	376	UG/KG	U	U		376	1
	Pentachlorophenol	376	UG/KG	U	U		376	1
	Phenanthrene	829	UG/KG		=		37.6	1
	Phenol	376	UG/KG	U	U		376	1

Station: 7J-SB-16
Sample ID: 7J1N82 Media: Soil Depth: 8 - 10.9 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	Pyrene	173	UG/KG		=		37.6	1

Station: 7J-SB-17
Sample ID: 7J1P81 Media: Soil Depth: 8 - 9.6 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
	Benzene	1.09	UG/KG		=		1.06	1
SW846 8260B	Ethylbenzene	6.89	UG/KG		=		1.06	1
	Toluene	1.06	UG/KG	U	U		1.06	1
	Xylenes, Total	5.82	UG/KG		=		1.06	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	397	UG/KG	U	U		397	1
	1,2-Dichlorobenzene	397	UG/KG	U	U		397	1
	1,3-Dichlorobenzene	397	UG/KG	U	U		397	1
	1,4-Dichlorobenzene	397	UG/KG	U	U		397	1
	2,4,5-Trichlorophenol	397	UG/KG	U	U		397	1
	2,4,6-Trichlorophenol	397	UG/KG	U	U		397	1
	2,4-Dichlorophenol	397	UG/KG	U	U		397	1
	2,4-Dimethylphenol	397	UG/KG	U	U		397	1
	2,4-Dinitrophenol	795	UG/KG	U	U		795	1
	2,4-Dinitrotoluene	397	UG/KG	U	U		397	1
	2,6-Dinitrotoluene	397	UG/KG	U	U		397	1
	2-Chloronaphthalene	39.7	UG/KG	U	U		39.7	1
	2-Chlorophenol	397	UG/KG	U	U		397	1
	2-Methyl-4,6-dinitrophenol	397	UG/KG	U	U		397	1
	2-Methylnaphthalene	2310	UG/KG		=		39.7	1
	2-Methylphenol	397	UG/KG	U	U		397	1
	2-Nitroaniline	397	UG/KG	U	U		397	1
	2-Nitrophenol	397	UG/KG	U	U		397	1
	3,3'-Dichlorobenzidine	397	UG/KG	U	U		397	1
	3-Nitroaniline	397	UG/KG	U	UJ	C05	397	1
	4-Bromophenyl phenyl ether	397	UG/KG	U	U		397	1
	4-Chloro-3-methylphenol	397	UG/KG	U	U		397	1
	4-Chloroaniline	397	UG/KG	U	U		397	1
	4-Chlorophenyl phenyl ether	397	UG/KG	U	U		397	1
	4-Methylphenol	397	UG/KG	U	U		397	1
	4-Nitroaniline	397	UG/KG	U	U		397	1
	4-Nitrophenol	397	UG/KG	U	U		397	1
	Acenaphthene	39.7	UG/KG	U	U		39.7	1
	Acenaphthylene	39.7	UG/KG	U	U		39.7	1
	Anthracene	39.7	UG/KG	U	U		39.7	1
	Benz(a)anthracene	39.7	UG/KG	U	U		39.7	1
	Benzenemethanol	397	UG/KG	U	U		397	1
	Benzo(a)pyrene	39.7	UG/KG	U	U		39.7	1
	Benzo(b)fluoranthene	39.7	UG/KG	U	U		39.7	1
	Benzo(ghi)perylene	39.7	UG/KG	U	U		39.7	1
	Benzo(k)fluoranthene	39.7	UG/KG	U	U		39.7	1
	Benzoic acid	795	UG/KG	U	U		795	1
	Bis(2-chloroethoxy)methane	397	UG/KG	U	U		397	1
	Bis(2-chloroethyl) ether	397	UG/KG	U	U		397	1
	Bis(2-chloroisopropyl) ether	397	UG/KG	U	U		397	1

Station: 7J-SB-17
Sample ID: 7J1P81 Media: Soil Depth: 8 - 9.6 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	Bis(2-ethylhexyl)phthalate	199	UG/KG	U	U		199	1
	Butyl benzyl phthalate	397	UG/KG	U	U		397	1
	Carbazole	39.7	UG/KG	U	U		39.7	1
	Chrysene	39.7	UG/KG	U	U		39.7	1
	Di-n-butyl phthalate	397	UG/KG	U	U		397	1
	Di-n-octylphthalate	397	UG/KG	U	U		397	1
	Dibenz(a,h)anthracene	39.7	UG/KG	U	U		39.7	1
	Dibenzofuran	397	UG/KG	U	U		397	1
	Diethyl phthalate	397	UG/KG	U	U		397	1
	Dimethyl phthalate	397	UG/KG	U	U		397	1
	Diphenylamine	397	UG/KG	U	U		397	1
	Fluoranthene	133	UG/KG		=		39.7	1
	Fluorene	39.7	UG/KG	U	U		39.7	1
	Hexachlorobenzene	397	UG/KG	U	U		397	1
	Hexachlorobutadiene	397	UG/KG	U	U		397	1
	Hexachlorocyclopentadiene	397	UG/KG	U	U		397	1
	Hexachloroethane	397	UG/KG	U	U		397	1
	Indeno(1,2,3-cd)pyrene	39.7	UG/KG	U	U		39.7	1
	Isophorone	397	UG/KG	U	U		397	1
	N-Nitroso-di-n-propylamine	397	UG/KG	U	U		397	1
	Naphthalene	427	UG/KG		=		39.7	1
	Nitrobenzene	397	UG/KG	U	U		397	1
	Pentachlorophenol	397	UG/KG	U	U		397	1
	Phenanthrene	851	UG/KG		=		39.7	1
	Phenol	397	UG/KG	U	U		397	1
	Pyrene	216	UG/KG		=		39.7	1

Station: 7J-SB-17
Sample ID: 7J1P82 Media: Soil Depth: 9.6 - 11.4 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
SW846 8260B	Benzene	11.1	UG/KG		=		0.969	1
	Ethylbenzene	44.7	UG/KG		=		0.969	1
	Toluene	5.33	UG/KG		=		0.969	1
	Xylenes, Total	174	UG/KG		=		0.969	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	394	UG/KG	U	U		394	1
	1,2-Dichlorobenzene	394	UG/KG	U	U		394	1
	1,3-Dichlorobenzene	394	UG/KG	U	U		394	1
	1,4-Dichlorobenzene	394	UG/KG	U	U		394	1
	2,4,5-Trichlorophenol	394	UG/KG	U	U		394	1
	2,4,6-Trichlorophenol	394	UG/KG	U	U		394	1
	2,4-Dichlorophenol	394	UG/KG	U	U		394	1
	2,4-Dimethylphenol	394	UG/KG	U	U		394	1
	2,4-Dinitrophenol	788	UG/KG	U	U		788	1
	2,4-Dinitrotoluene	394	UG/KG	U	U		394	1
	2,6-Dinitrotoluene	394	UG/KG	U	U		394	1
	2-Chloronaphthalene	39.4	UG/KG	U	U		39.4	1
	2-Chlorophenol	394	UG/KG	U	U		394	1
	2-Methyl-4,6-dinitrophenol	394	UG/KG	U	U		394	1
	2-Methylnaphthalene	39.4	UG/KG	U	U		39.4	1
	2-Methylphenol	394	UG/KG	U	U		394	1

Station: 7J-SB-17
Sample ID: 7J1P82 Media: Soil Depth: 9.6 - 11.4 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	2-Nitroaniline	394	UG/KG	U	U		394	1
	2-Nitrophenol	394	UG/KG	U	U		394	1
	3,3'-Dichlorobenzidine	394	UG/KG	U	U		394	1
	3-Nitroaniline	394	UG/KG	U	UJ	C05	394	1
	4-Bromophenyl phenyl ether	394	UG/KG	U	U		394	1
	4-Chloro-3-methylphenol	394	UG/KG	U	U		394	1
	4-Chloroaniline	394	UG/KG	U	U		394	1
	4-Chlorophenyl phenyl ether	394	UG/KG	U	U		394	1
	4-Methylphenol	394	UG/KG	U	U		394	1
	4-Nitroaniline	394	UG/KG	U	U		394	1
	4-Nitrophenol	394	UG/KG	U	U		394	1
	Acenaphthene	39.4	UG/KG	U	U		39.4	1
	Acenaphthylene	39.4	UG/KG	U	U		39.4	1
	Anthracene	39.4	UG/KG	U	U		39.4	1
	Benz(a)anthracene	39.4	UG/KG	U	U		39.4	1
	Benzenemethanol	394	UG/KG	U	U		394	1
	Benzo(a)pyrene	39.4	UG/KG	U	U		39.4	1
	Benzo(b)fluoranthene	39.4	UG/KG	U	U		39.4	1
	Benzo(ghi)perylene	39.4	UG/KG	U	U		39.4	1
	Benzo(k)fluoranthene	39.4	UG/KG	U	U		39.4	1
	Benzoic acid	788	UG/KG	U	U		788	1
	Bis(2-chloroethoxy)methane	394	UG/KG	U	U		394	1
	Bis(2-chloroethyl) ether	394	UG/KG	U	U		394	1
	Bis(2-chloroisopropyl) ether	394	UG/KG	U	U		394	1
	Bis(2-ethylhexyl)phthalate	197	UG/KG	U	U		197	1
	Butyl benzyl phthalate	394	UG/KG	U	U		394	1
	Carbazole	39.4	UG/KG	U	U		39.4	1
	Chrysene	39.4	UG/KG	U	U		39.4	1
	Di-n-butyl phthalate	394	UG/KG	U	U		394	1
	Di-n-octylphthalate	394	UG/KG	U	U		394	1
	Dibenz(a,h)anthracene	39.4	UG/KG	U	U		39.4	1
	Dibenzofuran	394	UG/KG	U	U		394	1
	Diethyl phthalate	394	UG/KG	U	U		394	1
	Dimethyl phthalate	394	UG/KG	U	U		394	1
	Diphenylamine	394	UG/KG	U	U		394	1
	Fluoranthene	39.4	UG/KG	U	U		39.4	1
	Fluorene	39.4	UG/KG	U	U		39.4	1
	Hexachlorobenzene	394	UG/KG	U	U		394	1
	Hexachlorobutadiene	394	UG/KG	U	U		394	1
	Hexachlorocyclopentadiene	394	UG/KG	U	U		394	1
	Hexachloroethane	394	UG/KG	U	U		394	1
	Indeno(1,2,3-cd)pyrene	39.4	UG/KG	U	U		39.4	1
	Isophorone	394	UG/KG	U	U		394	1
	N-Nitroso-di-n-propylamine	394	UG/KG	U	U		394	1
	Naphthalene	39.4	UG/KG	U	U		39.4	1
	Nitrobenzene	394	UG/KG	U	U		394	1
	Pentachlorophenol	394	UG/KG	U	U		394	1
	Phenanthrene	39.4	UG/KG	U	U		39.4	1
	Phenol	394	UG/KG	U	U		394	1
	Pyrene	39.4	UG/KG	U	U		39.4	1

Station: 7J-SB-18
Sample ID: 7J1R81 Media: Soil Depth: 5.7 - 7.4 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
SW846 8260B	Benzene	0.727	UG/KG	J	J		0.919	1
	Ethylbenzene	8.34	UG/KG		=		0.919	1
	Toluene	0.919	UG/KG	U	U		0.919	1
	Xylenes, Total	38.8	UG/KG		=		0.919	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	392	UG/KG	U	U		392	1
	1,2-Dichlorobenzene	392	UG/KG	U	U		392	1
	1,3-Dichlorobenzene	392	UG/KG	U	U		392	1
	1,4-Dichlorobenzene	392	UG/KG	U	U		392	1
	2,4,5-Trichlorophenol	392	UG/KG	U	U		392	1
	2,4,6-Trichlorophenol	392	UG/KG	U	U		392	1
	2,4-Dichlorophenol	392	UG/KG	U	U		392	1
	2,4-Dimethylphenol	392	UG/KG	U	U		392	1
	2,4-Dinitrophenol	784	UG/KG	U	U		784	1
	2,4-Dinitrotoluene	392	UG/KG	U	U		392	1
	2,6-Dinitrotoluene	392	UG/KG	U	U		392	1
	2-Chloronaphthalene	39.2	UG/KG	U	U		39.2	1
	2-Chlorophenol	392	UG/KG	U	U		392	1
	2-Methyl-4,6-dinitrophenol	392	UG/KG	U	U		392	1
	2-Methylnaphthalene	1250	UG/KG		=		39.2	1
	2-Methylphenol	392	UG/KG	U	U		392	1
	2-Nitroaniline	392	UG/KG	U	U		392	1
	2-Nitrophenol	392	UG/KG	U	U		392	1
	3,3'-Dichlorobenzidine	392	UG/KG	U	U		392	1
	3-Nitroaniline	392	UG/KG	U	UJ	C05	392	1
	4-Bromophenyl phenyl ether	392	UG/KG	U	U		392	1
	4-Chloro-3-methylphenol	392	UG/KG	U	U		392	1
	4-Chloroaniline	392	UG/KG	U	U		392	1
	4-Chlorophenyl phenyl ether	392	UG/KG	U	U		392	1
	4-Methylphenol	392	UG/KG	U	U		392	1
	4-Nitroaniline	392	UG/KG	U	U		392	1
	4-Nitrophenol	392	UG/KG	U	U		392	1
	Acenaphthene	39.2	UG/KG	U	U		39.2	1
	Acenaphthylene	39.2	UG/KG	U	U		39.2	1
	Anthracene	39.2	UG/KG	U	U		39.2	1
	Benz(a)anthracene	39.2	UG/KG	U	U		39.2	1
	Benzenemethanol	392	UG/KG	U	U		392	1
	Benzo(a)pyrene	39.2	UG/KG	U	U		39.2	1
	Benzo(b)fluoranthene	39.2	UG/KG	U	U		39.2	1
	Benzo(ghi)perylene	39.2	UG/KG	U	U		39.2	1
	Benzo(k)fluoranthene	39.2	UG/KG	U	U		39.2	1
	Benzoic acid	784	UG/KG	U	U		784	1
	Bis(2-chloroethoxy)methane	392	UG/KG	U	U		392	1
	Bis(2-chloroethyl) ether	392	UG/KG	U	U		392	1
	Bis(2-chloroisopropyl) ether	392	UG/KG	U	U		392	1
	Bis(2-ethylhexyl)phthalate	196	UG/KG	U	U		196	1
	Butyl benzyl phthalate	392	UG/KG	U	U		392	1
	Carbazole	39.2	UG/KG	U	U		39.2	1
	Chrysene	39.2	UG/KG	U	U		39.2	1
	Di-n-butyl phthalate	392	UG/KG	U	U		392	1
	Di-n-octylphthalate	392	UG/KG	U	U		392	1
	Dibenz(a,h)anthracene	39.2	UG/KG	U	U		39.2	1
	Dibenzofuran	392	UG/KG	U	U		392	1
	Diethyl phthalate	392	UG/KG	U	U		392	1
	Dimethyl phthalate	392	UG/KG	U	U		392	1

Station: 7J-SB-18
Sample ID: 7J1R81 Media: Soil Depth: 5.7 - 7.4 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	Diphenylamine	392	UG/KG	U	U		392	1
	Fluoranthene	86.8	UG/KG		=		39.2	1
	Fluorene	39.2	UG/KG	U	U		39.2	1
	Hexachlorobenzene	392	UG/KG	U	U		392	1
	Hexachlorobutadiene	392	UG/KG	U	U		392	1
	Hexachlorocyclopentadiene	392	UG/KG	U	U		392	1
	Hexachloroethane	392	UG/KG	U	U		392	1
	Indeno(1,2,3-cd)pyrene	39.2	UG/KG	U	U		39.2	1
	Isophorone	392	UG/KG	U	U		392	1
	N-Nitroso-di-n-propylamine	392	UG/KG	U	U		392	1
	Naphthalene	154	UG/KG		=		39.2	1
	Nitrobenzene	392	UG/KG	U	U		392	1
	Pentachlorophenol	392	UG/KG	U	U		392	1
	Phenanthrene	538	UG/KG		=		39.2	1
	Phenol	392	UG/KG	U	U		392	1
	Pyrene	163	UG/KG		=		39.2	1

Station: 7J-SB-18
Sample ID: 7J1R82 Media: Soil Depth: 9.9 - 11.8 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
SW846 8260B	Benzene	23.7	UG/KG		=		0.979	1
	Ethylbenzene	19.9	UG/KG		=		0.979	1
	Toluene	3.13	UG/KG		=		0.979	1
	Xylenes, Total	94.3	UG/KG		=		0.979	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	385	UG/KG	U	U		385	1
	1,2-Dichlorobenzene	385	UG/KG	U	U		385	1
	1,3-Dichlorobenzene	385	UG/KG	U	U		385	1
	1,4-Dichlorobenzene	385	UG/KG	U	U		385	1
	2,4,5-Trichlorophenol	385	UG/KG	U	U		385	1
	2,4,6-Trichlorophenol	385	UG/KG	U	U		385	1
	2,4-Dichlorophenol	385	UG/KG	U	U		385	1
	2,4-Dimethylphenol	385	UG/KG	U	U		385	1
	2,4-Dinitrophenol	770	UG/KG	U	U		770	1
	2,4-Dinitrotoluene	385	UG/KG	U	U		385	1
	2,6-Dinitrotoluene	385	UG/KG	U	U		385	1
	2-Chloronaphthalene	38.5	UG/KG	U	U		38.5	1
	2-Chlorophenol	385	UG/KG	U	U		385	1
	2-Methyl-4,6-dinitrophenol	385	UG/KG	U	U		385	1
	2-Methylnaphthalene	2080	UG/KG		=		38.5	1
	2-Methylphenol	385	UG/KG	U	U		385	1
	2-Nitroaniline	385	UG/KG	U	U		385	1
	2-Nitrophenol	385	UG/KG	U	U		385	1
	3,3'-Dichlorobenzidine	385	UG/KG	U	U		385	1
	3-Nitroaniline	385	UG/KG	U	UJ	C05	385	1
	4-Bromophenyl phenyl ether	385	UG/KG	U	U		385	1
	4-Chloro-3-methylphenol	385	UG/KG	U	U		385	1
	4-Chloroaniline	385	UG/KG	U	U		385	1
	4-Chlorophenyl phenyl ether	385	UG/KG	U	U		385	1
	4-Methylphenol	385	UG/KG	U	U		385	1
	4-Nitroaniline	385	UG/KG	U	U		385	1

Station: 7J-SB-18
Sample ID: 7J1R82 Media: Soil Depth: 9.9 - 11.8 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	4-Nitrophenol	385	UG/KG	U	U		385	1
	Acenaphthene	38.5	UG/KG	U	U		38.5	1
	Acenaphthylene	38.5	UG/KG	U	U		38.5	1
	Anthracene	38.5	UG/KG	U	U		38.5	1
	Benz(a)anthracene	38.5	UG/KG	U	U		38.5	1
	Benzenemethanol	385	UG/KG	U	U		385	1
	Benzo(a)pyrene	38.5	UG/KG	U	U		38.5	1
	Benzo(b)fluoranthene	38.5	UG/KG	U	U		38.5	1
	Benzo(ghi)perylene	38.5	UG/KG	U	U		38.5	1
	Benzo(k)fluoranthene	38.5	UG/KG	U	U		38.5	1
	Benzoic acid	770	UG/KG	U	U		770	1
	Bis(2-chloroethoxy)methane	385	UG/KG	U	U		385	1
	Bis(2-chloroethyl) ether	385	UG/KG	U	U		385	1
	Bis(2-chloroisopropyl) ether	385	UG/KG	U	U		385	1
	Bis(2-ethylhexyl)phthalate	193	UG/KG	U	U		193	1
	Butyl benzyl phthalate	385	UG/KG	U	U		385	1
	Carbazole	38.5	UG/KG	U	U		38.5	1
	Chrysene	38.5	UG/KG	U	U		38.5	1
	Di-n-butyl phthalate	385	UG/KG	U	U		385	1
	Di-n-octylphthalate	385	UG/KG	U	U		385	1
	Dibenz(a,h)anthracene	38.5	UG/KG	U	U		38.5	1
	Dibenzofuran	385	UG/KG	U	U		385	1
	Diethyl phthalate	385	UG/KG	U	U		385	1
	Dimethyl phthalate	385	UG/KG	U	U		385	1
	Diphenylamine	385	UG/KG	U	U		385	1
	Fluoranthene	113	UG/KG		=		38.5	1
	Fluorene	38.5	UG/KG	U	U		38.5	1
	Hexachlorobenzene	385	UG/KG	U	U		385	1
	Hexachlorobutadiene	385	UG/KG	U	U		385	1
	Hexachlorocyclopentadiene	385	UG/KG	U	U		385	1
	Hexachloroethane	385	UG/KG	U	U		385	1
	Indeno(1,2,3-cd)pyrene	38.5	UG/KG	U	U		38.5	1
	Isophorone	385	UG/KG	U	U		385	1
	N-Nitroso-di-n-propylamine	385	UG/KG	U	U		385	1
	Naphthalene	343	UG/KG		=		38.5	1
	Nitrobenzene	385	UG/KG	U	U		385	1
	Pentachlorophenol	385	UG/KG	U	U		385	1
	Phenanthrene	737	UG/KG		=		38.5	1
	Phenol	385	UG/KG	U	U		385	1
	Pyrene	214	UG/KG		=		38.5	1

Station: 7J-SB-19
Sample ID: 7J1S81 Media: Soil Depth: 5.7 - 7.4 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189461
SW846 8260B	Benzene	182	UG/KG	D	=		89.2	50
	Ethylbenzene	1370	UG/KG	D	=		89.2	50
	Toluene	47.7	UG/KG	DJ	J		89.2	50
	Xylenes, Total	5250	UG/KG	D	=		89.2	50
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189455
SW846 8270C	1,2,4-Trichlorobenzene	353	UG/KG	U	U		353	1

Station: 7J-SB-19
Sample ID: 7J1S81 Media: Soil Depth: 5.7 - 7.4 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189455
SW846 8270C	1,2-Dichlorobenzene	353	UG/KG	U	U		353	1
	1,3-Dichlorobenzene	353	UG/KG	U	U		353	1
	1,4-Dichlorobenzene	353	UG/KG	U	U		353	1
	2,4,5-Trichlorophenol	353	UG/KG	U	U		353	1
	2,4,6-Trichlorophenol	353	UG/KG	U	U		353	1
	2,4-Dichlorophenol	353	UG/KG	U	U		353	1
	2,4-Dimethylphenol	353	UG/KG	U	U		353	1
	2,4-Dinitrophenol	706	UG/KG	U	U		706	1
	2,4-Dinitrotoluene	353	UG/KG	U	U		353	1
	2,6-Dinitrotoluene	353	UG/KG	U	U		353	1
	2-Chloronaphthalene	35.3	UG/KG	U	U		35.3	1
	2-Chlorophenol	353	UG/KG	U	U		353	1
	2-Methyl-4,6-dinitrophenol	353	UG/KG	U	U		353	1
	2-Methylnaphthalene	2260	UG/KG		=		35.3	1
	2-Methylphenol	353	UG/KG	U	U		353	1
	2-Nitroaniline	353	UG/KG	U	U		353	1
	2-Nitrophenol	353	UG/KG	U	U		353	1
	3,3'-Dichlorobenzidine	353	UG/KG	U	U		353	1
	3-Nitroaniline	353	UG/KG	U	U		353	1
	4-Bromophenyl phenyl ether	353	UG/KG	U	U		353	1
	4-Chloro-3-methylphenol	353	UG/KG	U	U		353	1
	4-Chloroaniline	353	UG/KG	U	U		353	1
	4-Chlorophenyl phenyl ether	353	UG/KG	U	U		353	1
	4-Methylphenol	353	UG/KG	U	U		353	1
	4-Nitroaniline	353	UG/KG	U	U		353	1
	4-Nitrophenol	353	UG/KG	U	U		353	1
	Acenaphthene	35.3	UG/KG	U	U		35.3	1
	Acenaphthylene	35.3	UG/KG	U	U		35.3	1
	Anthracene	35.3	UG/KG	U	U		35.3	1
	Benz(a)anthracene	35.3	UG/KG	U	U		35.3	1
	Benzenemethanol	353	UG/KG	U	U		353	1
	Benzo(a)pyrene	35.3	UG/KG	U	U		35.3	1
	Benzo(b)fluoranthene	35.3	UG/KG	U	U		35.3	1
	Benzo(ghi)perylene	35.3	UG/KG	U	U		35.3	1
	Benzo(k)fluoranthene	35.3	UG/KG	U	U		35.3	1
	Benzoic acid	706	UG/KG	U	U		706	1
	Bis(2-chloroethoxy)methane	353	UG/KG	U	U		353	1
	Bis(2-chloroethyl) ether	353	UG/KG	U	U		353	1
	Bis(2-chloroisopropyl) ether	353	UG/KG	U	U		353	1
	Bis(2-ethylhexyl)phthalate	176	UG/KG	U	U		176	1
	Butyl benzyl phthalate	353	UG/KG	U	U		353	1
	Carbazole	35.3	UG/KG	U	U		35.3	1
	Chrysene	35.3	UG/KG	U	U		35.3	1
	Di-n-butyl phthalate	353	UG/KG	U	U		353	1
	Di-n-octylphthalate	353	UG/KG	U	U		353	1
	Dibenz(a,h)anthracene	35.3	UG/KG	U	U		35.3	1
	Dibenzofuran	353	UG/KG	U	U		353	1
	Diethyl phthalate	353	UG/KG	U	U		353	1
	Dimethyl phthalate	353	UG/KG	U	U		353	1
	Diphenylamine	353	UG/KG	U	U		353	1
	Fluoranthene	35.3	UG/KG	U	U		35.3	1
	Fluorene	390	UG/KG		=		35.3	1
	Hexachlorobenzene	353	UG/KG	U	U		353	1
	Hexachlorobutadiene	353	UG/KG	U	U		353	1
	Hexachlorocyclopentadiene	353	UG/KG	U	U		353	1
	Hexachloroethane	353	UG/KG	U	U		353	1

Station: 7J-SB-19
Sample ID: 7J1S81 Media: Soil Depth: 5.7 - 7.4 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189455
SW846 8270C	Indeno(1,2,3-cd)pyrene	35.3	UG/KG	U	U		35.3	1
	Isophorone	353	UG/KG	U	U		353	1
	N-Nitroso-di-n-propylamine	353	UG/KG	U	U		353	1
	Naphthalene	215	UG/KG		=		35.3	1
	Nitrobenzene	353	UG/KG	U	U		353	1
	Pentachlorophenol	353	UG/KG	U	U		353	1
	Phenanthrene	871	UG/KG		=		35.3	1
	Phenol	353	UG/KG	U	U		353	1
	Pyrene	187	UG/KG		=		35.3	1

Station: 7J-SB-19
Sample ID: 7J1S82 Media: Soil Depth: 9.9 - 11.8 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189461
SW846 8260B	Benzene	51.5	UG/KG		=		1.02	1
	Ethylbenzene	37	UG/KG		=		1.02	1
	Toluene	4.3	UG/KG		=		1.02	1
	Xylenes, Total	195	UG/KG		=		1.02	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189455
SW846 8270C	1,2,4-Trichlorobenzene	398	UG/KG	U	U		398	1
	1,2-Dichlorobenzene	398	UG/KG	U	U		398	1
	1,3-Dichlorobenzene	398	UG/KG	U	U		398	1
	1,4-Dichlorobenzene	398	UG/KG	U	U		398	1
	2,4,5-Trichlorophenol	398	UG/KG	U	U		398	1
	2,4,6-Trichlorophenol	398	UG/KG	U	U		398	1
	2,4-Dichlorophenol	398	UG/KG	U	U		398	1
	2,4-Dimethylphenol	398	UG/KG	U	U		398	1
	2,4-Dinitrophenol	795	UG/KG	U	U		795	1
	2,4-Dinitrotoluene	398	UG/KG	U	U		398	1
	2,6-Dinitrotoluene	398	UG/KG	U	U		398	1
	2-Chloronaphthalene	39.8	UG/KG	U	U		39.8	1
	2-Chlorophenol	398	UG/KG	U	U		398	1
	2-Methyl-4,6-dinitrophenol	398	UG/KG	U	U		398	1
	2-Methylnaphthalene	39.8	UG/KG	U	U		39.8	1
	2-Methylphenol	398	UG/KG	U	U		398	1
	2-Nitroaniline	398	UG/KG	U	U		398	1
	2-Nitrophenol	398	UG/KG	U	U		398	1
	3,3'-Dichlorobenzidine	398	UG/KG	U	U		398	1
	3-Nitroaniline	398	UG/KG	U	U		398	1
	4-Bromophenyl phenyl ether	398	UG/KG	U	U		398	1
	4-Chloro-3-methylphenol	398	UG/KG	U	U		398	1
	4-Chloroaniline	398	UG/KG	U	U		398	1
	4-Chlorophenyl phenyl ether	398	UG/KG	U	U		398	1
	4-Methylphenol	398	UG/KG	U	U		398	1
	4-Nitroaniline	398	UG/KG	U	U		398	1
	4-Nitrophenol	398	UG/KG	U	U		398	1
	Acenaphthene	39.8	UG/KG	U	U		39.8	1
	Acenaphthylene	39.8	UG/KG	U	U		39.8	1
	Anthracene	39.8	UG/KG	U	U		39.8	1
	Benz(a)anthracene	39.8	UG/KG	U	U		39.8	1
	Benzenemethanol	398	UG/KG	U	U		398	1
	Benzo(a)pyrene	39.8	UG/KG	U	U		39.8	1

Station: 7J-SB-19
Sample ID: 7J1S82 Media: Soil Depth: 9.9 - 11.8 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189455
SW846 8270C	Benzo(b)fluoranthene	39.8	UG/KG	U	U		39.8	1
	Benzo(ghi)perylene	39.8	UG/KG	U	U		39.8	1
	Benzo(k)fluoranthene	39.8	UG/KG	U	U		39.8	1
	Benzoic acid	795	UG/KG	U	U		795	1
	Bis(2-chloroethoxy)methane	398	UG/KG	U	U		398	1
	Bis(2-chloroethyl) ether	398	UG/KG	U	U		398	1
	Bis(2-chloroisopropyl) ether	398	UG/KG	U	U		398	1
	Bis(2-ethylhexyl)phthalate	199	UG/KG	U	U		199	1
	Butyl benzyl phthalate	398	UG/KG	U	U		398	1
	Carbazole	39.8	UG/KG	U	U		39.8	1
	Chrysene	39.8	UG/KG	U	U		39.8	1
	Di-n-butyl phthalate	398	UG/KG	U	U		398	1
	Di-n-octylphthalate	398	UG/KG	U	U		398	1
	Dibenz(a,h)anthracene	39.8	UG/KG	U	U		39.8	1
	Dibenzofuran	398	UG/KG	U	U		398	1
	Diethyl phthalate	398	UG/KG	U	U		398	1
	Dimethyl phthalate	398	UG/KG	U	U		398	1
	Diphenylamine	398	UG/KG	U	U		398	1
	Fluoranthene	39.8	UG/KG	U	U		39.8	1
	Fluorene	39.8	UG/KG	U	U		39.8	1
	Hexachlorobenzene	398	UG/KG	U	U		398	1
	Hexachlorobutadiene	398	UG/KG	U	U		398	1
	Hexachlorocyclopentadiene	398	UG/KG	U	U		398	1
	Hexachloroethane	398	UG/KG	U	U		398	1
	Indeno(1,2,3-cd)pyrene	39.8	UG/KG	U	U		39.8	1
	Isophorone	398	UG/KG	U	U		398	1
	N-Nitroso-di-n-propylamine	398	UG/KG	U	U		398	1
	Naphthalene	39.8	UG/KG	U	U		39.8	1
	Nitrobenzene	398	UG/KG	U	U		398	1
	Pentachlorophenol	398	UG/KG	U	U		398	1
	Phenanthrene	13.9	UG/KG	J	J		39.8	1
	Phenol	398	UG/KG	U	U		398	1
	Pyrene	39.8	UG/KG	U	U		39.8	1

Station: 7J-SB-20
Sample ID: 7J1T81 Media: Soil Depth: 5.5 - 7 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
SW846 8260B	Benzene	2.21	UG/KG		=		0.925	1
	Ethylbenzene	28.2	UG/KG		=		0.925	1
	Toluene	0.925	UG/KG	U	U		0.925	1
	Xylenes, Total	7.92	UG/KG		=		0.925	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	388	UG/KG	U	U		388	1
	1,2-Dichlorobenzene	388	UG/KG	U	U		388	1
	1,3-Dichlorobenzene	388	UG/KG	U	U		388	1
	1,4-Dichlorobenzene	388	UG/KG	U	U		388	1
	2,4,5-Trichlorophenol	388	UG/KG	U	U		388	1
	2,4,6-Trichlorophenol	388	UG/KG	U	U		388	1
	2,4-Dichlorophenol	388	UG/KG	U	U		388	1
	2,4-Dimethylphenol	388	UG/KG	U	U		388	1

Station: 7J-SB-20
Sample ID: 7J1T81 Media: Soil Depth: 5.5 - 7 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	2,4-Dinitrophenol	777	UG/KG	U	U		777	1
	2,4-Dinitrotoluene	388	UG/KG	U	U		388	1
	2,6-Dinitrotoluene	388	UG/KG	U	U		388	1
	2-Chloronaphthalene	38.8	UG/KG	U	U		38.8	1
	2-Chlorophenol	388	UG/KG	U	U		388	1
	2-Methyl-4,6-dinitrophenol	388	UG/KG	U	U		388	1
	2-Methylnaphthalene	8060	UG/KG		=		155	4
	2-Methylphenol	388	UG/KG	U	U		388	1
	2-Nitroaniline	388	UG/KG	U	U		388	1
	2-Nitrophenol	388	UG/KG	U	U		388	1
	3,3'-Dichlorobenzidine	388	UG/KG	U	U		388	1
	3-Nitroaniline	388	UG/KG	U	UJ	C05	388	1
	4-Bromophenyl phenyl ether	388	UG/KG	U	U		388	1
	4-Chloro-3-methylphenol	388	UG/KG	U	U		388	1
	4-Chloroaniline	388	UG/KG	U	U		388	1
	4-Chlorophenyl phenyl ether	388	UG/KG	U	U		388	1
	4-Methylphenol	388	UG/KG	U	U		388	1
	4-Nitroaniline	388	UG/KG	U	U		388	1
	4-Nitrophenol	388	UG/KG	U	U		388	1
	Acenaphthene	38.8	UG/KG	U	U		38.8	1
	Acenaphthylene	38.8	UG/KG	U	U		38.8	1
	Anthracene	38.8	UG/KG	U	U		38.8	1
	Benz(a)anthracene	84.8	UG/KG		=		38.8	1
	Benzenemethanol	388	UG/KG	U	U		388	1
	Benzo(a)pyrene	38.8	UG/KG	U	U		38.8	1
	Benzo(b)fluoranthene	38.8	UG/KG	U	U		38.8	1
	Benzo(ghi)perylene	38.8	UG/KG	U	U		38.8	1
	Benzo(k)fluoranthene	38.8	UG/KG	U	U		38.8	1
	Benzoic acid	777	UG/KG	U	U		777	1
	Bis(2-chloroethoxy)methane	388	UG/KG	U	U		388	1
	Bis(2-chloroethyl) ether	388	UG/KG	U	U		388	1
	Bis(2-chloroisopropyl) ether	388	UG/KG	U	U		388	1
	Bis(2-ethylhexyl)phthalate	194	UG/KG	U	U		194	1
	Butyl benzyl phthalate	388	UG/KG	U	U		388	1
	Carbazole	38.8	UG/KG	U	U		38.8	1
	Chrysene	92.5	UG/KG		=		38.8	1
	Di-n-butyl phthalate	388	UG/KG	U	U		388	1
	Di-n-octylphthalate	388	UG/KG	U	U		388	1
	Dibenz(a,h)anthracene	38.8	UG/KG	U	U		38.8	1
	Dibenzofuran	388	UG/KG	U	U		388	1
	Diethyl phthalate	388	UG/KG	U	U		388	1
	Dimethyl phthalate	388	UG/KG	U	U		388	1
	Diphenylamine	388	UG/KG	U	U		388	1
	Fluoranthene	354	UG/KG		=		38.8	1
	Fluorene	979	UG/KG		=		38.8	1
	Hexachlorobenzene	388	UG/KG	U	U		388	1
	Hexachlorobutadiene	388	UG/KG	U	U		388	1
	Hexachlorocyclopentadiene	388	UG/KG	U	U		388	1
	Hexachloroethane	388	UG/KG	U	U		388	1
	Indeno(1,2,3-cd)pyrene	38.8	UG/KG	U	U		38.8	1
	Isophorone	388	UG/KG	U	U		388	1
	N-Nitroso-di-n-propylamine	388	UG/KG	U	U		388	1
	Naphthalene	1200	UG/KG		=		38.8	1
	Nitrobenzene	388	UG/KG	U	U		388	1
	Pentachlorophenol	388	UG/KG	U	U		388	1
	Phenanthrene	2600	UG/KG		=		38.8	1

Station: 7J-SB-20
Sample ID: 7J1T81 Media: Soil Depth: 5.5 - 7 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	Phenol	388	UG/KG	U	U		388	1
	Pyrene	656	UG/KG		=		38.8	1

Station: 7J-SB-20
Sample ID: 7J1T82 Media: Soil Depth: 8 - 10 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189445
SW846 8260B	Benzene	82.1	UG/KG		=		0.918	1
	Ethylbenzene	150	UG/KG	D	=		93.3	50
	Toluene	5.79	UG/KG		=		0.918	1
	Xylenes, Total	586	UG/KG		=		0.918	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	1,2,4-Trichlorobenzene	392	UG/KG	U	U		392	1
	1,2-Dichlorobenzene	392	UG/KG	U	U		392	1
	1,3-Dichlorobenzene	392	UG/KG	U	U		392	1
	1,4-Dichlorobenzene	392	UG/KG	U	U		392	1
	2,4,5-Trichlorophenol	392	UG/KG	U	U		392	1
	2,4,6-Trichlorophenol	392	UG/KG	U	U		392	1
	2,4-Dichlorophenol	392	UG/KG	U	U		392	1
	2,4-Dimethylphenol	392	UG/KG	U	U		392	1
	2,4-Dinitrophenol	784	UG/KG	U	U		784	1
	2,4-Dinitrotoluene	392	UG/KG	U	U		392	1
	2,6-Dinitrotoluene	392	UG/KG	U	U		392	1
	2-Chloronaphthalene	39.2	UG/KG	U	U		39.2	1
	2-Chlorophenol	392	UG/KG	U	U		392	1
	2-Methyl-4,6-dinitrophenol	392	UG/KG	U	U		392	1
	2-Methylnaphthalene	2090	UG/KG		=		39.2	1
	2-Methylphenol	392	UG/KG	U	U		392	1
	2-Nitroaniline	392	UG/KG	U	U		392	1
	2-Nitrophenol	392	UG/KG	U	U		392	1
	3,3'-Dichlorobenzidine	392	UG/KG	U	U		392	1
	3-Nitroaniline	392	UG/KG	U	U		392	1
	4-Bromophenyl phenyl ether	392	UG/KG	U	U		392	1
	4-Chloro-3-methylphenol	392	UG/KG	U	U		392	1
	4-Chloroaniline	392	UG/KG	U	U		392	1
	4-Chlorophenyl phenyl ether	392	UG/KG	U	U		392	1
	4-Methylphenol	392	UG/KG	U	U		392	1
	4-Nitroaniline	392	UG/KG	U	U		392	1
	4-Nitrophenol	392	UG/KG	U	U		392	1
	Acenaphthene	39.2	UG/KG	U	U		39.2	1
	Acenaphthylene	39.2	UG/KG	U	U		39.2	1
	Anthracene	39.2	UG/KG	U	U		39.2	1
	Benz(a)anthracene	39.2	UG/KG	U	U		39.2	1
	Benzenemethanol	392	UG/KG	U	U		392	1
	Benzo(a)pyrene	39.2	UG/KG	U	U		39.2	1
	Benzo(b)fluoranthene	39.2	UG/KG	U	U		39.2	1
	Benzo(ghi)perylene	39.2	UG/KG	U	U		39.2	1
	Benzo(k)fluoranthene	39.2	UG/KG	U	U		39.2	1
	Benzoic acid	784	UG/KG	U	U		784	1
	Bis(2-chloroethoxy)methane	392	UG/KG	U	U		392	1
	Bis(2-chloroethyl) ether	392	UG/KG	U	U		392	1
	Bis(2-chloroisopropyl) ether	392	UG/KG	U	U		392	1

Station: 7J-SB-20
Sample ID: 7J1T82 Media: Soil Depth: 8 - 10 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189445
SW846 8270C	Bis(2-ethylhexyl)phthalate	196	UG/KG	U	U		196	1
	Butyl benzyl phthalate	392	UG/KG	U	U		392	1
	Carbazole	39.2	UG/KG	U	U		39.2	1
	Chrysene	39.2	UG/KG	U	U		39.2	1
	Di-n-butyl phthalate	392	UG/KG	U	U		392	1
	Di-n-octylphthalate	392	UG/KG	U	U		392	1
	Dibenz(a,h)anthracene	39.2	UG/KG	U	U		39.2	1
	Dibenzofuran	392	UG/KG	U	U		392	1
	Diethyl phthalate	392	UG/KG	U	U		392	1
	Dimethyl phthalate	392	UG/KG	U	U		392	1
	Diphenylamine	392	UG/KG	U	U		392	1
	Fluoranthene	118	UG/KG		=		39.2	1
	Fluorene	319	UG/KG		=		39.2	1
	Hexachlorobenzene	392	UG/KG	U	U		392	1
	Hexachlorobutadiene	392	UG/KG	U	U		392	1
	Hexachlorocyclopentadiene	392	UG/KG	U	U		392	1
	Hexachloroethane	392	UG/KG	U	U		392	1
	Indeno(1,2,3-cd)pyrene	39.2	UG/KG	U	U		39.2	1
	Isophorone	392	UG/KG	U	U		392	1
	N-Nitroso-di-n-propylamine	392	UG/KG	U	U		392	1
	Naphthalene	281	UG/KG		=		39.2	1
	Nitrobenzene	392	UG/KG	U	U		392	1
	Pentachlorophenol	392	UG/KG	U	U		392	1
	Phenanthrene	839	UG/KG		=		39.2	1
	Phenol	392	UG/KG	U	U		392	1
	Pyrene	219	UG/KG		=		39.2	1

Station: 7J-SB-21
Sample ID: 7J1U81 Media: Soil Depth: 5.9 - 7.6 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189544
SW846 8260B	Benzene	8.92	UG/KG		J	G01	0.9	1
	Ethylbenzene	114	UG/KG	D	=		90	50
	Toluene	0.39	UG/KG	J	J	G01	0.9	1
	Xylenes, Total	78.2	UG/KG		J	G01	0.9	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	1,2,4-Trichlorobenzene	768	UG/KG	U	U		768	2
	1,2-Dichlorobenzene	768	UG/KG	U	U		768	2
	1,3-Dichlorobenzene	768	UG/KG	U	U		768	2
	1,4-Dichlorobenzene	768	UG/KG	U	U		768	2
	2,4,5-Trichlorophenol	768	UG/KG	U	U		768	2
	2,4,6-Trichlorophenol	768	UG/KG	U	U		768	2
	2,4-Dichlorophenol	768	UG/KG	U	U		768	2
	2,4-Dimethylphenol	768	UG/KG	U	U		768	2
	2,4-Dinitrophenol	1540	UG/KG	U	U		1540	2
	2,4-Dinitrotoluene	768	UG/KG	U	U		768	2
	2,6-Dinitrotoluene	768	UG/KG	U	U		768	2
	2-Chloronaphthalene	76.8	UG/KG	U	U		76.8	2
	2-Chlorophenol	768	UG/KG	U	U		768	2
	2-Methyl-4,6-dinitrophenol	768	UG/KG	U	U		768	2
	2-Methylnaphthalene	5270	UG/KG		=		76.8	2

Station: 7J-SB-21
Sample ID: 7J1U81 Media: Soil Depth: 5.9 - 7.6 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	2-Methylphenol	768	UG/KG	U	U		768	2
	2-Nitroaniline	768	UG/KG	U	U		768	2
	2-Nitrophenol	768	UG/KG	U	U		768	2
	3,3'-Dichlorobenzidine	768	UG/KG	U	U		768	2
	3-Nitroaniline	768	UG/KG	U	U		768	2
	4-Bromophenyl phenyl ether	768	UG/KG	U	U		768	2
	4-Chloro-3-methylphenol	768	UG/KG	U	U		768	2
	4-Chloroaniline	768	UG/KG	U	U		768	2
	4-Chlorophenyl phenyl ether	768	UG/KG	U	U		768	2
	4-Methylphenol	768	UG/KG	U	U		768	2
	4-Nitroaniline	768	UG/KG	U	U		768	2
	4-Nitrophenol	768	UG/KG	U	U		768	2
	Acenaphthene	359	UG/KG		=		76.8	2
	Acenaphthylene	76.8	UG/KG	U	U		76.8	2
	Anthracene	76.8	UG/KG	U	U		76.8	2
	Benz(a)anthracene	76.8	UG/KG	U	U		76.8	2
	Benzenemethanol	768	UG/KG	U	U		768	2
	Benzo(a)pyrene	76.8	UG/KG	U	U		76.8	2
	Benzo(b)fluoranthene	76.8	UG/KG	U	U		76.8	2
	Benzo(ghi)perylene	76.8	UG/KG	U	U		76.8	2
	Benzo(k)fluoranthene	76.8	UG/KG	U	U		76.8	2
	Benzoic acid	1540	UG/KG	U	U		1540	2
	Bis(2-chloroethoxy)methane	768	UG/KG	U	U		768	2
	Bis(2-chloroethyl) ether	768	UG/KG	U	U		768	2
	Bis(2-chloroisopropyl) ether	768	UG/KG	U	U		768	2
	Bis(2-ethylhexyl)phthalate	384	UG/KG	U	U		384	2
	Butyl benzyl phthalate	768	UG/KG	U	U		768	2
	Carbazole	76.8	UG/KG	U	U		76.8	2
	Chrysene	76.8	UG/KG	U	U		76.8	2
	Di-n-butyl phthalate	768	UG/KG	U	U		768	2
	Di-n-octylphthalate	768	UG/KG	U	U		768	2
	Dibenz(a,h)anthracene	76.8	UG/KG	U	U		76.8	2
	Dibenzofuran	768	UG/KG	U	U		768	2
	Diethyl phthalate	768	UG/KG	U	U		768	2
	Dimethyl phthalate	768	UG/KG	U	U		768	2
	Diphenylamine	768	UG/KG	U	U		768	2
	Fluoranthene	76.8	UG/KG	U	U		76.8	2
	Fluorene	682	UG/KG		=		76.8	2
	Hexachlorobenzene	768	UG/KG	U	U		768	2
	Hexachlorobutadiene	768	UG/KG	U	U		768	2
	Hexachlorocyclopentadiene	768	UG/KG	U	U		768	2
	Hexachloroethane	768	UG/KG	U	U		768	2
	Indeno(1,2,3-cd)pyrene	76.8	UG/KG	U	U		76.8	2
	Isophorone	768	UG/KG	U	U		768	2
	N-Nitroso-di-n-propylamine	768	UG/KG	U	U		768	2
	Naphthalene	652	UG/KG		=		76.8	2
	Nitrobenzene	768	UG/KG	U	U		768	2
	Pentachlorophenol	768	UG/KG	U	U		768	2
	Phenanthrene	1620	UG/KG		=		76.8	2
	Phenol	768	UG/KG	U	U		768	2
	Pyrene	424	UG/KG		=		76.8	2

Station: 7J-SB-21
Sample ID: 7J1U82 Media: Soil Depth: 8 - 10.5 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189544
SW846 8260B	Benzene	28.5	UG/KG		=		1.16	1
	Ethylbenzene	42.4	UG/KG		=		1.16	1
	Toluene	1.16	UG/KG	U	U		1.16	1
	Xylenes, Total	4.33	UG/KG		=		1.16	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	1,2,4-Trichlorobenzene	442	UG/KG	U	U		442	1
	1,2-Dichlorobenzene	442	UG/KG	U	U		442	1
	1,3-Dichlorobenzene	442	UG/KG	U	U		442	1
	1,4-Dichlorobenzene	442	UG/KG	U	U		442	1
	2,4,5-Trichlorophenol	442	UG/KG	U	U		442	1
	2,4,6-Trichlorophenol	442	UG/KG	U	U		442	1
	2,4-Dichlorophenol	442	UG/KG	U	U		442	1
	2,4-Dimethylphenol	442	UG/KG	U	U		442	1
	2,4-Dinitrophenol	885	UG/KG	U	U		885	1
	2,4-Dinitrotoluene	442	UG/KG	U	U		442	1
	2,6-Dinitrotoluene	442	UG/KG	U	U		442	1
	2-Chloronaphthalene	44.2	UG/KG	U	U		44.2	1
	2-Chlorophenol	442	UG/KG	U	U		442	1
	2-Methyl-4,6-dinitrophenol	442	UG/KG	U	U		442	1
	2-Methylnaphthalene	750	UG/KG		=		44.2	1
	2-Methylphenol	442	UG/KG	U	U		442	1
	2-Nitroaniline	442	UG/KG	U	U		442	1
	2-Nitrophenol	442	UG/KG	U	U		442	1
	3,3'-Dichlorobenzidine	442	UG/KG	U	U		442	1
	3-Nitroaniline	442	UG/KG	U	U		442	1
	4-Bromophenyl phenyl ether	442	UG/KG	U	U		442	1
	4-Chloro-3-methylphenol	442	UG/KG	U	U		442	1
	4-Chloroaniline	442	UG/KG	U	U		442	1
	4-Chlorophenyl phenyl ether	442	UG/KG	U	U		442	1
	4-Methylphenol	442	UG/KG	U	U		442	1
	4-Nitroaniline	442	UG/KG	U	U		442	1
	4-Nitrophenol	442	UG/KG	U	U		442	1
	Acenaphthene	78.2	UG/KG		=		44.2	1
	Acenaphthylene	44.2	UG/KG	U	U		44.2	1
	Anthracene	44.2	UG/KG	U	U		44.2	1
	Benz(a)anthracene	44.2	UG/KG	U	U		44.2	1
	Benzenemethanol	442	UG/KG	U	U		442	1
	Benzo(a)pyrene	44.2	UG/KG	U	U		44.2	1
	Benzo(b)fluoranthene	44.2	UG/KG	U	U		44.2	1
	Benzo(ghi)perylene	44.2	UG/KG	U	U		44.2	1
	Benzo(k)fluoranthene	44.2	UG/KG	U	U		44.2	1
	Benzoic acid	885	UG/KG	U	U		885	1
	Bis(2-chloroethoxy)methane	442	UG/KG	U	U		442	1
	Bis(2-chloroethyl) ether	442	UG/KG	U	U		442	1
	Bis(2-chloroisopropyl) ether	442	UG/KG	U	U		442	1
	Bis(2-ethylhexyl)phthalate	221	UG/KG	U	U		221	1
	Butyl benzyl phthalate	442	UG/KG	U	U		442	1
	Carbazole	44.2	UG/KG	U	U		44.2	1
	Chrysene	44.2	UG/KG	U	U		44.2	1
	Di-n-butyl phthalate	442	UG/KG	U	U		442	1
	Di-n-octylphthalate	442	UG/KG	U	U		442	1
	Dibenz(a,h)anthracene	44.2	UG/KG	U	U		44.2	1
	Dibenzofuran	442	UG/KG	U	U		442	1
	Diethyl phthalate	442	UG/KG	U	U		442	1
	Dimethyl phthalate	442	UG/KG	U	U		442	1

Station: 7J-SB-21
Sample ID: 7J1U82 Media: Soil Depth: 8 - 10.5 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	Diphenylamine	442	UG/KG	U	U		442	1
	Fluoranthene	44.2	UG/KG	U	U		44.2	1
	Fluorene	157	UG/KG		=		44.2	1
	Hexachlorobenzene	442	UG/KG	U	U		442	1
	Hexachlorobutadiene	442	UG/KG	U	U		442	1
	Hexachlorocyclopentadiene	442	UG/KG	U	U		442	1
	Hexachloroethane	442	UG/KG	U	U		442	1
	Indeno(1,2,3-cd)pyrene	44.2	UG/KG	U	U		44.2	1
	Isophorone	442	UG/KG	U	U		442	1
	N-Nitroso-di-n-propylamine	442	UG/KG	U	U		442	1
	Naphthalene	75.9	UG/KG		=		44.2	1
	Nitrobenzene	442	UG/KG	U	U		442	1
	Pentachlorophenol	442	UG/KG	U	U		442	1
	Phenanthrene	425	UG/KG		=		44.2	1
	Phenol	442	UG/KG	U	U		442	1
	Pyrene	113	UG/KG		=		44.2	1

Station: 7J-SB-22
Sample ID: 7J1V81 Media: Soil Depth: 5.8 - 7.6 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189544
SW846 8260B	Benzene	11	UG/KG		J	G01	0.937	1
	Ethylbenzene	134	UG/KG	D	=		92.2	50
	Toluene	0.937	UG/KG	U	U		0.937	1
	Xylenes, Total	31.4	UG/KG		J	G01	0.937	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	1,2,4-Trichlorobenzene	1550	UG/KG	U	U		1550	4
	1,2-Dichlorobenzene	1550	UG/KG	U	U		1550	4
	1,3-Dichlorobenzene	1550	UG/KG	U	U		1550	4
	1,4-Dichlorobenzene	1550	UG/KG	U	U		1550	4
	2,4,5-Trichlorophenol	1550	UG/KG	U	U		1550	4
	2,4,6-Trichlorophenol	1550	UG/KG	U	U		1550	4
	2,4-Dichlorophenol	1550	UG/KG	U	U		1550	4
	2,4-Dimethylphenol	1550	UG/KG	U	U		1550	4
	2,4-Dinitrophenol	3100	UG/KG	U	U		3100	4
	2,4-Dinitrotoluene	1550	UG/KG	U	U		1550	4
	2,6-Dinitrotoluene	1550	UG/KG	U	U		1550	4
	2-Chloronaphthalene	155	UG/KG	U	U		155	4
	2-Chlorophenol	1550	UG/KG	U	U		1550	4
	2-Methyl-4,6-dinitrophenol	1550	UG/KG	U	U		1550	4
	2-Methylnaphthalene	8940	UG/KG		=		155	4
	2-Methylphenol	1550	UG/KG	U	U		1550	4
	2-Nitroaniline	1550	UG/KG	U	U		1550	4
	2-Nitrophenol	1550	UG/KG	U	U		1550	4
	3,3'-Dichlorobenzidine	1550	UG/KG	U	U		1550	4
	3-Nitroaniline	1550	UG/KG	U	U		1550	4
	4-Bromophenyl phenyl ether	1550	UG/KG	U	U		1550	4
	4-Chloro-3-methylphenol	1550	UG/KG	U	U		1550	4
	4-Chloroaniline	1550	UG/KG	U	U		1550	4
	4-Chlorophenyl phenyl ether	1550	UG/KG	U	U		1550	4
	4-Methylphenol	1550	UG/KG	U	U		1550	4

Station: 7J-SB-22
Sample ID: 7J1V81 Media: Soil Depth: 5.8 - 7.6 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	4-Nitroaniline	1550	UG/KG	U	U		1550	4
	4-Nitrophenol	1550	UG/KG	U	U		1550	4
	Acenaphthene	603	UG/KG		=		155	4
	Acenaphthylene	155	UG/KG	U	U		155	4
	Anthracene	155	UG/KG	U	U		155	4
	Benz(a)anthracene	155	UG/KG	U	U		155	4
	Benzenemethanol	1550	UG/KG	U	U		1550	4
	Benzo(a)pyrene	155	UG/KG	U	U		155	4
	Benzo(b)fluoranthene	155	UG/KG	U	U		155	4
	Benzo(ghi)perylene	155	UG/KG	U	U		155	4
	Benzo(k)fluoranthene	155	UG/KG	U	U		155	4
	Benzoic acid	3100	UG/KG	U	U		3100	4
	Bis(2-chloroethoxy)methane	1550	UG/KG	U	U		1550	4
	Bis(2-chloroethyl) ether	1550	UG/KG	U	U		1550	4
	Bis(2-chloroisopropyl) ether	1550	UG/KG	U	U		1550	4
	Bis(2-ethylhexyl)phthalate	775	UG/KG	U	U		775	4
	Butyl benzyl phthalate	1550	UG/KG	U	U		1550	4
	Carbazole	155	UG/KG	U	U		155	4
	Chrysene	155	UG/KG	U	U		155	4
	Di-n-butyl phthalate	1550	UG/KG	U	U		1550	4
	Di-n-octylphthalate	1550	UG/KG	U	U		1550	4
	Dibenz(a,h)anthracene	155	UG/KG	U	U		155	4
	Dibenzofuran	1550	UG/KG	U	U		1550	4
	Diethyl phthalate	1550	UG/KG	U	U		1550	4
	Dimethyl phthalate	1550	UG/KG	U	U		1550	4
	Diphenylamine	1550	UG/KG	U	U		1550	4
	Fluoranthene	155	UG/KG	U	U		155	4
	Fluorene	1120	UG/KG		=		155	4
	Hexachlorobenzene	1550	UG/KG	U	U		1550	4
	Hexachlorobutadiene	1550	UG/KG	U	U		1550	4
	Hexachlorocyclopentadiene	1550	UG/KG	U	U		1550	4
	Hexachloroethane	1550	UG/KG	U	U		1550	4
	Indeno(1,2,3-cd)pyrene	155	UG/KG	U	U		155	4
	Isophorone	1550	UG/KG	U	U		1550	4
	N-Nitroso-di-n-propylamine	1550	UG/KG	U	U		1550	4
	Naphthalene	1130	UG/KG		=		155	4
	Nitrobenzene	1550	UG/KG	U	U		1550	4
	Pentachlorophenol	1550	UG/KG	U	U		1550	4
	Phenanthrene	2750	UG/KG		=		155	4
	Phenol	1550	UG/KG	U	U		1550	4
	Pyrene	430	UG/KG		=		155	4

Station: 7J-SB-22
Sample ID: 7J1V82 Media: Soil Depth: 8 - 10.5 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189544
SW846 8260B	Benzene	5.34	UG/KG		=		1.21	1
	Ethylbenzene	8.21	UG/KG		=		1.21	1
	Toluene	1.21	UG/KG	U	U		1.21	1
	Xylenes, Total	1.28	UG/KG		=		1.21	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	1,2,4-Trichlorobenzene	426	UG/KG	U	U		426	1

Station: 7J-SB-22
Sample ID: 7J1V82 Media: Soil Depth: 8 - 10.5 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	1,2-Dichlorobenzene	426	UG/KG	U	U		426	1
	1,3-Dichlorobenzene	426	UG/KG	U	U		426	1
	1,4-Dichlorobenzene	426	UG/KG	U	U		426	1
	2,4,5-Trichlorophenol	426	UG/KG	U	U		426	1
	2,4,6-Trichlorophenol	426	UG/KG	U	U		426	1
	2,4-Dichlorophenol	426	UG/KG	U	U		426	1
	2,4-Dimethylphenol	426	UG/KG	U	U		426	1
	2,4-Dinitrophenol	851	UG/KG	U	U		851	1
	2,4-Dinitrotoluene	426	UG/KG	U	U		426	1
	2,6-Dinitrotoluene	426	UG/KG	U	U		426	1
	2-Chloronaphthalene	42.6	UG/KG	U	U		42.6	1
	2-Chlorophenol	426	UG/KG	U	U		426	1
	2-Methyl-4,6-dinitrophenol	426	UG/KG	U	U		426	1
	2-Methylnaphthalene	21.5	UG/KG	J	J		42.6	1
	2-Methylphenol	426	UG/KG	U	U		426	1
	2-Nitroaniline	426	UG/KG	U	U		426	1
	2-Nitrophenol	426	UG/KG	U	U		426	1
	3,3'-Dichlorobenzidine	426	UG/KG	U	U		426	1
	3-Nitroaniline	426	UG/KG	U	U		426	1
	4-Bromophenyl phenyl ether	426	UG/KG	U	U		426	1
	4-Chloro-3-methylphenol	426	UG/KG	U	U		426	1
	4-Chloroaniline	426	UG/KG	U	U		426	1
	4-Chlorophenyl phenyl ether	426	UG/KG	U	U		426	1
	4-Methylphenol	426	UG/KG	U	U		426	1
	4-Nitroaniline	426	UG/KG	U	U		426	1
	4-Nitrophenol	426	UG/KG	U	U		426	1
	Acenaphthene	42.6	UG/KG	U	U		42.6	1
	Acenaphthylene	42.6	UG/KG	U	U		42.6	1
	Anthracene	42.6	UG/KG	U	U		42.6	1
	Benz(a)anthracene	42.6	UG/KG	U	U		42.6	1
	Benzenemethanol	426	UG/KG	U	U		426	1
	Benzo(a)pyrene	42.6	UG/KG	U	U		42.6	1
	Benzo(b)fluoranthene	42.6	UG/KG	U	U		42.6	1
	Benzo(ghi)perylene	42.6	UG/KG	U	U		42.6	1
	Benzo(k)fluoranthene	42.6	UG/KG	U	U		42.6	1
	Benzoic acid	851	UG/KG	U	U		851	1
	Bis(2-chloroethoxy)methane	426	UG/KG	U	U		426	1
	Bis(2-chloroethyl) ether	426	UG/KG	U	U		426	1
	Bis(2-chloroisopropyl) ether	426	UG/KG	U	U		426	1
	Bis(2-ethylhexyl)phthalate	213	UG/KG	U	U		213	1
	Butyl benzyl phthalate	426	UG/KG	U	U		426	1
	Carbazole	42.6	UG/KG	U	U		42.6	1
	Chrysene	42.6	UG/KG	U	U		42.6	1
	Di-n-butyl phthalate	426	UG/KG	U	U		426	1
	Di-n-octylphthalate	426	UG/KG	U	U		426	1
	Dibenz(a,h)anthracene	42.6	UG/KG	U	U		42.6	1
	Dibenzofuran	426	UG/KG	U	U		426	1
	Diethyl phthalate	426	UG/KG	U	U		426	1
	Dimethyl phthalate	426	UG/KG	U	U		426	1
	Diphenylamine	426	UG/KG	U	U		426	1
	Fluoranthene	42.6	UG/KG	U	U		42.6	1
	Fluorene	42.6	UG/KG	U	U		42.6	1
	Hexachlorobenzene	426	UG/KG	U	U		426	1
	Hexachlorobutadiene	426	UG/KG	U	U		426	1
	Hexachlorocyclopentadiene	426	UG/KG	U	U		426	1
	Hexachloroethane	426	UG/KG	U	U		426	1

Station: 7J-SB-22
Sample ID: 7J1V82 Media: Soil Depth: 8 - 10.5 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	Indeno(1,2,3-cd)pyrene	42.6	UG/KG	U	U		42.6	1
	Isophorone	426	UG/KG	U	U		426	1
	N-Nitroso-di-n-propylamine	426	UG/KG	U	U		426	1
	Naphthalene	42.6	UG/KG	U	U		42.6	1
	Nitrobenzene	426	UG/KG	U	U		426	1
	Pentachlorophenol	426	UG/KG	U	U		426	1
	Phenanthrene	35.7	UG/KG	J	J		42.6	1
	Phenol	426	UG/KG	U	U		426	1
	Pyrene	42.6	UG/KG	U	U		42.6	1

Station: 7J-SB-23
Sample ID: 7J1X81 Media: Soil Depth: 0.8 - 3.2 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189544
SW846 8260B	Benzene	0.398	UG/KG	J	J		1	1
	Ethylbenzene	1.36	UG/KG		=		1	1
	Toluene	1	UG/KG	U	U		1	1
	Xylenes, Total	0.803	UG/KG	J	J		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	1,2,4-Trichlorobenzene	346	UG/KG	U	U		346	1
	1,2-Dichlorobenzene	346	UG/KG	U	U		346	1
	1,3-Dichlorobenzene	346	UG/KG	U	U		346	1
	1,4-Dichlorobenzene	346	UG/KG	U	U		346	1
	2,4,5-Trichlorophenol	346	UG/KG	U	U		346	1
	2,4,6-Trichlorophenol	346	UG/KG	U	U		346	1
	2,4-Dichlorophenol	346	UG/KG	U	U		346	1
	2,4-Dimethylphenol	346	UG/KG	U	U		346	1
	2,4-Dinitrophenol	692	UG/KG	U	U		692	1
	2,4-Dinitrotoluene	346	UG/KG	U	U		346	1
	2,6-Dinitrotoluene	346	UG/KG	U	U		346	1
	2-Chloronaphthalene	34.6	UG/KG	U	U		34.6	1
	2-Chlorophenol	346	UG/KG	U	U		346	1
	2-Methyl-4,6-dinitrophenol	346	UG/KG	U	U		346	1
	2-Methylnaphthalene	7.93	UG/KG	J	J		34.6	1
	2-Methylphenol	346	UG/KG	U	U		346	1
	2-Nitroaniline	346	UG/KG	U	U		346	1
	2-Nitrophenol	346	UG/KG	U	U		346	1
	3,3'-Dichlorobenzidine	346	UG/KG	U	U		346	1
	3-Nitroaniline	346	UG/KG	U	U		346	1
	4-Bromophenyl phenyl ether	346	UG/KG	U	U		346	1
	4-Chloro-3-methylphenol	346	UG/KG	U	U		346	1
	4-Chloroaniline	346	UG/KG	U	U		346	1
	4-Chlorophenyl phenyl ether	346	UG/KG	U	U		346	1
	4-Methylphenol	346	UG/KG	U	U		346	1
	4-Nitroaniline	346	UG/KG	U	U		346	1
	4-Nitrophenol	346	UG/KG	U	U		346	1
	Acenaphthene	34.6	UG/KG	U	U		34.6	1
	Acenaphthylene	34.6	UG/KG	U	U		34.6	1
	Anthracene	34.6	UG/KG	U	U		34.6	1
	Benz(a)anthracene	34.6	UG/KG	U	U		34.6	1
	Benzenemethanol	346	UG/KG	U	U		346	1

Station: 7J-SB-23
Sample ID: 7J1X81 Media: Soil Depth: 0.8 - 3.2 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	Benzo(a)pyrene	34.6	UG/KG	U	U		34.6	1
	Benzo(b)fluoranthene	34.6	UG/KG	U	U		34.6	1
	Benzo(ghi)perylene	34.6	UG/KG	U	U		34.6	1
	Benzo(k)fluoranthene	34.6	UG/KG	U	U		34.6	1
	Benzoic acid	692	UG/KG	U	U		692	1
	Bis(2-chloroethoxy)methane	346	UG/KG	U	U		346	1
	Bis(2-chloroethyl) ether	346	UG/KG	U	U		346	1
	Bis(2-chloroisopropyl) ether	346	UG/KG	U	U		346	1
	Bis(2-ethylhexyl)phthalate	173	UG/KG	U	U		173	1
	Butyl benzyl phthalate	346	UG/KG	U	U		346	1
	Carbazole	34.6	UG/KG	U	U		34.6	1
	Chrysene	34.6	UG/KG	U	U		34.6	1
	Di-n-butyl phthalate	346	UG/KG	U	U		346	1
	Di-n-octylphthalate	346	UG/KG	U	U		346	1
	Dibenz(a,h)anthracene	34.6	UG/KG	U	U		34.6	1
	Dibenzofuran	346	UG/KG	U	U		346	1
	Diethyl phthalate	346	UG/KG	U	U		346	1
	Dimethyl phthalate	346	UG/KG	U	U		346	1
	Diphenylamine	346	UG/KG	U	U		346	1
	Fluoranthene	34.6	UG/KG	U	U		34.6	1
	Fluorene	34.6	UG/KG	U	U		34.6	1
	Hexachlorobenzene	346	UG/KG	U	U		346	1
	Hexachlorobutadiene	346	UG/KG	U	U		346	1
	Hexachlorocyclopentadiene	346	UG/KG	U	U		346	1
	Hexachloroethane	346	UG/KG	U	U		346	1
	Indeno(1,2,3-cd)pyrene	34.6	UG/KG	U	U		34.6	1
	Isophorone	346	UG/KG	U	U		346	1
	N-Nitroso-di-n-propylamine	346	UG/KG	U	U		346	1
	Naphthalene	34.6	UG/KG	U	U		34.6	1
	Nitrobenzene	346	UG/KG	U	U		346	1
	Pentachlorophenol	346	UG/KG	U	U		346	1
	Phenanthrene	34.6	UG/KG	U	U		34.6	1
	Phenol	346	UG/KG	U	U		346	1
	Pyrene	34.6	UG/KG	U	U		34.6	1

Station: 7J-SB-23
Sample ID: 7J1X82 Media: Soil Depth: 9.8 - 11.6 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189544
SW846 8260B	Benzene	0.628	UG/KG	J	J		1	1
	Ethylbenzene	1	UG/KG	U	U		1	1
	Toluene	1	UG/KG	U	U		1	1
	Xylenes, Total	1	UG/KG	U	U		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	1,2,4-Trichlorobenzene	365	UG/KG	U	U		365	1
	1,2-Dichlorobenzene	365	UG/KG	U	U		365	1
	1,3-Dichlorobenzene	365	UG/KG	U	U		365	1
	1,4-Dichlorobenzene	365	UG/KG	U	U		365	1
	2,4,5-Trichlorophenol	365	UG/KG	U	U		365	1
	2,4,6-Trichlorophenol	365	UG/KG	U	U		365	1
	2,4-Dichlorophenol	365	UG/KG	U	U		365	1
	2,4-Dimethylphenol	365	UG/KG	U	U		365	1

Station: 7J-SB-23
Sample ID: 7J1X82 Media: Soil Depth: 9.8 - 11.6 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Validation Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	2,4-Dinitrophenol	730	UG/KG	U	U		730	1
	2,4-Dinitrotoluene	365	UG/KG	U	U		365	1
	2,6-Dinitrotoluene	365	UG/KG	U	U		365	1
	2-Chloronaphthalene	36.5	UG/KG	U	U		36.5	1
	2-Chlorophenol	365	UG/KG	U	U		365	1
	2-Methyl-4,6-dinitrophenol	365	UG/KG	U	U		365	1
	2-Methylnaphthalene	36.5	UG/KG	U	U		36.5	1
	2-Methylphenol	365	UG/KG	U	U		365	1
	2-Nitroaniline	365	UG/KG	U	U		365	1
	2-Nitrophenol	365	UG/KG	U	U		365	1
	3,3'-Dichlorobenzidine	365	UG/KG	U	U		365	1
	3-Nitroaniline	365	UG/KG	U	U		365	1
	4-Bromophenyl phenyl ether	365	UG/KG	U	U		365	1
	4-Chloro-3-methylphenol	365	UG/KG	U	U		365	1
	4-Chloroaniline	365	UG/KG	U	U		365	1
	4-Chlorophenyl phenyl ether	365	UG/KG	U	U		365	1
	4-Methylphenol	365	UG/KG	U	U		365	1
	4-Nitroaniline	365	UG/KG	U	U		365	1
	4-Nitrophenol	365	UG/KG	U	U		365	1
	Acenaphthene	36.5	UG/KG	U	U		36.5	1
	Acenaphthylene	36.5	UG/KG	U	U		36.5	1
	Anthracene	36.5	UG/KG	U	U		36.5	1
	Benz(a)anthracene	36.5	UG/KG	U	U		36.5	1
	Benzenemethanol	365	UG/KG	U	U		365	1
	Benzo(a)pyrene	36.5	UG/KG	U	U		36.5	1
	Benzo(b)fluoranthene	36.5	UG/KG	U	U		36.5	1
	Benzo(ghi)perylene	36.5	UG/KG	U	U		36.5	1
	Benzo(k)fluoranthene	36.5	UG/KG	U	U		36.5	1
	Benzoic acid	730	UG/KG	U	U		730	1
	Bis(2-chloroethoxy)methane	365	UG/KG	U	U		365	1
	Bis(2-chloroethyl) ether	365	UG/KG	U	U		365	1
	Bis(2-chloroisopropyl) ether	365	UG/KG	U	U		365	1
	Bis(2-ethylhexyl)phthalate	182	UG/KG	U	U		182	1
	Butyl benzyl phthalate	365	UG/KG	U	U		365	1
	Carbazole	36.5	UG/KG	U	U		36.5	1
	Chrysene	36.5	UG/KG	U	U		36.5	1
	Di-n-butyl phthalate	365	UG/KG	U	U		365	1
	Di-n-octylphthalate	365	UG/KG	U	U		365	1
	Dibenz(a,h)anthracene	36.5	UG/KG	U	U		36.5	1
	Dibenzofuran	365	UG/KG	U	U		365	1
	Diethyl phthalate	365	UG/KG	U	U		365	1
	Dimethyl phthalate	365	UG/KG	U	U		365	1
	Diphenylamine	365	UG/KG	U	U		365	1
	Fluoranthene	36.5	UG/KG	U	U		36.5	1
	Fluorene	36.5	UG/KG	U	U		36.5	1
	Hexachlorobenzene	365	UG/KG	U	U		365	1
	Hexachlorobutadiene	365	UG/KG	U	U		365	1
	Hexachlorocyclopentadiene	365	UG/KG	U	U		365	1
	Hexachloroethane	365	UG/KG	U	U		365	1
	Indeno(1,2,3-cd)pyrene	36.5	UG/KG	U	U		36.5	1
	Isophorone	365	UG/KG	U	U		365	1
	N-Nitroso-di-n-propylamine	365	UG/KG	U	U		365	1
	Naphthalene	36.5	UG/KG	U	U		36.5	1
	Nitrobenzene	365	UG/KG	U	U		365	1
	Pentachlorophenol	365	UG/KG	U	U		365	1
	Phenanthrene	36.5	UG/KG	U	U		36.5	1

Station: 7J-SB-23
Sample ID: 7J1X82 Media: Soil Depth: 9.8 - 11.6 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189544
SW846 8270C	Phenol	365	UG/KG	U	U		365	1
	Pyrene	36.5	UG/KG	U	U		36.5	1

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Science Applications International Corporation
151 Lafayette Dr. Oak Ridge, Tennessee 37830 (865)481-4600

189453 water
189455 soil

CHAIN OF CUSTODY RECORD

COC NO.: 27F023

PROJECT NAME: Fort Stewart SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): [signature] (Printed Name): PATRICIA A. SOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29417

PHONE NO: (843)556-8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J4S11	7/11/07	1305	water		2	2		
7J4M11		1520			2	2		
7J4P11		950			2	2		
7J4N41		1542			2	2		
7J4R11		1044			2	2		
7J1S82		1128	SOIL		1	1		
7J1S81		1122	SOIL		1	1		

[signature] 7/12/07

RELINQUISHED BY	Date/Time	RECEIVED BY:	Date/Time
[signature]	7/12/07 1040	Lindy Reynolds	7/12/07 1040
COMPANY NAME: SAIC		COMPANY NAME: GEL	
RECEIVED BY:	Date/Time	RELINQUISHED BY: Lindy Reynolds	Date/Time 7/12/07 1300
COMPANY NAME:		COMPANY NAME: GEL	
RELINQUISHED BY:	Date/Time	RECEIVED BY: [signature]	Date/Time 7/12/07 1300
COMPANY NAME:		COMPANY NAME: GEL	

TOTAL NUMBER OF CONTAINERS: 12

Cooler ID: #12

Cooler Temperature: 4 °C

FEDEX NUMBER: N/A

C-35

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189445 soil
189444 water

CHAIN OF CUSTODY RECORD

COC NO.: 27FØZ4

PROJECT NAME: Fort Stewart SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Patricia A Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29417

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J4N11	7/11/07	1722	Water		2	2		
7J4T11		1355	Water		2	2		
7JIN81		1700	SOIL	1	1	2		
7JIN82		1705		1	1	2		
7JIR82		1033		1	1	2		
7JIR81		1024		1	1	2		
7JIM21		1451		1	1	2		
7JIM82		1451		1	1	2		
7JIM81		1448		1	1	2		
7JIP82		920		1	1	2		
7JIP81		817		1	1	2		
7JIT81		1339		1	1	2		
7JIT82		1344		1	1	2		

REQUESTED PARAMETERS

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
Patricia A Stoll	7/12/07 1040	Lindy Reynolds	7/12/07 1040
COMPANY NAME: SAIC		COMPANY NAME: GEL	
RECEIVED BY:	Date/Time	RELINQUISHED BY: Lindy Reynolds	Date/Time 7/12/07 1300
COMPANY NAME:		COMPANY NAME: GEL	
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time 7/12/07 1300
COMPANY NAME:		COMPANY NAME: GEL	

TOTAL NUMBER OF CONTAINERS: 26

Cooler ID: #107

Cooler Temperature: 4°C

FEDEX NUMBER: N/A

C36

189456 water
189461 soil

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CHAIN OF CUSTODY RECORD

COC NO.: 27F-025

PROJECT NAME: Fort Stewart SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Patricia A. Stoll (Printed Name): PATRICIA A. STOLL

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J4P11	7/11/07	950	water	2		2		
7J4R11		1044		2		2		
7J4S11		1305		2		2		
7J4T11		1355		2		2		
7J4M11		1520		2		2		
7J4N41		1542		2		2		
7J4N11		1722		2		2		
7J1S81		1122	soil	1		1		
7J1S82		1128	soil	1		1		

Patricia A. Stoll 7/12/07

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod Charleston, SC 29417

PHONE NO: (843)556-8171

RELINQUISHED BY: Patricia A. Stoll	Date/Time 7/12/07 1040	RECEIVED BY: Lindy Reynolds	Date/Time 7/12/07 1040	TOTAL NUMBER OF CONTAINERS: 16	Cooler Temperature: 4°C
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID: #212	FEDEX NUMBER: N/A
RECEIVED BY:	Date/Time	RELINQUISHED BY: Lindy Reynolds	Date/Time 7/12/07 1300		
COMPANY NAME:		COMPANY NAME: GEL			
RELINQUISHED BY:	Date/Time	RECEIVED BY: [illegible]	Date/Time 7/12/07 13:00		
COMPANY NAME:		COMPANY NAME: GEL			

C-37

1849447.0, 1849510.0

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Science Applications International Corporation
151 Lafayette Dr. Oak Ridge, Tennessee 37830 (865)481-4600

CHAIN OF CUSTODY RECORD

COC NO.: 27F026

PROJECT NAME: Fort Stewart SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29417

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	REQUESTED PARAMETERS: BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J4U21	07/12/07	0840	WATER	2	2	4		
7J4X11	07/12/07	1030	WATER	2	2	4		
7J4V11	07/12/07	0930	WATER	2	2	4		
7J4U11	07/12/07	0840	WATER	2	2	4		
7J1X81	07/12/07	0957	SOIL	3	1	4		
7J1X82	07/12/07	1010	SOIL	3	1	4		
7J1V81	07/12/07	0911	SOIL	3	1	4		
7J1V82	07/12/07	0914	SOIL	3	1	4		
7J1U81	07/12/07	0822	SOIL	3	1	4		
JJ1U82	07/12/07	0824	SOIL	3	1	4		

RELINQUISHED BY: Wayne H. Parker	Date/Time 07/13/07 1130	RECEIVED BY: Amanda Munro	Date/Time 7/13/07 1450	TOTAL NUMBER OF CONTAINERS: 44	Cooler Temperature: 4°C
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID:	FEDEX NUMBER:
RECEIVED BY: Ben Watkins	Date/Time 07/13/07 1130	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Ben Watkins	Date/Time 7/13/07 1450	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			

ANALYTICAL GROUNDWATER RESULTS AND CHAIN-OF-CUSTODY FORMS

JULY 2007

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Station: 7J-SB-15
Sample ID: 7J4M11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189456
SW846 8260B	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	2.33	UG/L		=		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	8.61	UG/L		=		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189453
SW846 8270C	1,1-Biphenyl	9.71	UG/L	U	U		9.71	1
	1,2,4-Trichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,2-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,3-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,4-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	2,4,5-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4,6-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dimethylphenol	9.71	UG/L	U	U		9.71	1
	2,4-Dinitrophenol	19.4	UG/L	U	U		19.4	1
	2,4-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2,6-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2-Chloronaphthalene	0.971	UG/L	U	U		0.971	1
	2-Chlorophenol	9.71	UG/L	U	U		9.71	1
	2-Methyl-4,6-dinitrophenol	9.71	UG/L	U	U		9.71	1
	2-Methylnaphthalene	3.27	UG/L		=		0.971	1
	2-Methylphenol	9.71	UG/L	U	U		9.71	1
	2-Nitroaniline	9.71	UG/L	U	U		9.71	1
	2-Nitrophenol	9.71	UG/L	U	U		9.71	1
	3,3'-Dichlorobenzidine	9.71	UG/L	U	U		9.71	1
	3-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Bromophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Chloro-3-methylphenol	9.71	UG/L	U	U		9.71	1
	4-Chloroaniline	9.71	UG/L	U	U		9.71	1
	4-Chlorophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Methylphenol	9.71	UG/L	U	U		9.71	1
	4-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Nitrophenol	9.71	UG/L	U	U		9.71	1
	Acenaphthene	0.971	UG/L	U	U		0.971	1
	Acenaphthylene	0.971	UG/L	U	U		0.971	1
	alpha-Terpineol	9.71	UG/L	U	U		9.71	1
	Anthracene	0.971	UG/L	U	U		0.971	1
	Atrazine	9.71	UG/L	U	U		9.71	1
	Benz(a)anthracene	0.971	UG/L	U	U		0.971	1
	Benzaldehyde	9.71	UG/L	U	U		9.71	1
	Benzenemethanol	9.71	UG/L	U	U		9.71	1
	Benzidine	9.71	UG/L	U	U		9.71	1
	Benzo(a)pyrene	0.971	UG/L	U	U		0.971	1
	Benzo(b)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzo(ghi)perylene	0.971	UG/L	U	U		0.971	1
	Benzo(k)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzoic acid	19.4	UG/L	U	U		19.4	1
	Bis(2-chloroethoxy)methane	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroethyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroisopropyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-ethylhexyl)phthalate	9.71	UG/L	U	U		9.71	1
	Butyl benzyl phthalate	9.71	UG/L	U	U		9.71	1
	Carbazole	0.971	UG/L	U	U		0.971	1
	Chrysene	0.971	UG/L	U	U		0.971	1
	Di-n-butyl phthalate	9.71	UG/L	U	U		9.71	1

Station: 7J-SB-15
Sample ID: 7J4M11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189453
SW846 8270C	Di-n-octylphthalate	9.71	UG/L	U	U		9.71	1
	Dibenz(a,h)anthracene	0.971	UG/L	U	U		0.971	1
	Dibenzofuran	9.71	UG/L	U	U		9.71	1
	Diethyl phthalate	9.71	UG/L	U	U		9.71	1
	Dimethyl phthalate	9.71	UG/L	U	U		9.71	1
	Diphenylamine	9.71	UG/L	U	U		9.71	1
	Fluoranthene	0.971	UG/L	U	U		0.971	1
	Fluorene	0.971	UG/L	U	U		0.971	1
	Hexachlorobenzene	9.71	UG/L	U	U		9.71	1
	Hexachlorobutadiene	9.71	UG/L	U	U		9.71	1
	Hexachlorocyclopentadiene	9.71	UG/L	U	U		9.71	1
	Hexachloroethane	9.71	UG/L	U	U		9.71	1
	Indeno(1,2,3-cd)pyrene	0.971	UG/L	U	U		0.971	1
	Isophorone	9.71	UG/L	U	U		9.71	1
	N-Nitroso-di-n-propylamine	9.71	UG/L	U	U		9.71	1
	Naphthalene	2.67	UG/L		=		0.971	1
	Nitrobenzene	9.71	UG/L	U	U		9.71	1
	Pentachlorophenol	9.71	UG/L	U	U		9.71	1
	Phenanthrene	0.744	UG/L	J	J		0.971	1
	Phenol	9.71	UG/L	U	U		9.71	1
	Pyrene	0.971	UG/L	U	U		0.971	1

Station: 7J-SB-16
Sample ID: 7J4N11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189456
SW846 8260B	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	3.01	UG/L		=		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	8.26	UG/L		=		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189444
SW846 8270C	1,1-Biphenyl	10	UG/L	U	U		10	1
	1,2,4-Trichlorobenzene	10	UG/L	U	U		10	1
	1,2-Dichlorobenzene	10	UG/L	U	U		10	1
	1,3-Dichlorobenzene	10	UG/L	U	U		10	1
	1,4-Dichlorobenzene	10	UG/L	U	U		10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U		10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U		10	1
	2,4-Dichlorophenol	10	UG/L	U	U		10	1
	2,4-Dimethylphenol	10	UG/L	U	U		10	1
	2,4-Dinitrophenol	20	UG/L	U	U		20	1
	2,4-Dinitrotoluene	10	UG/L	U	U		10	1
	2,6-Dinitrotoluene	10	UG/L	U	U		10	1
	2-Chloronaphthalene	1	UG/L	U	U		1	1
	2-Chlorophenol	10	UG/L	U	U		10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U		10	1
	2-Methylnaphthalene	3.31	UG/L		=		1	1
	2-Methylphenol	10	UG/L	U	U		10	1
	2-Nitroaniline	10	UG/L	U	U		10	1
	2-Nitrophenol	10	UG/L	U	U		10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U		10	1

Station: 7J-SB-16
Sample ID: 7J4N11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189444
SW846 8270C	3-Nitroaniline	10	UG/L	U	U		10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U		10	1
	4-Chloroaniline	10	UG/L	U	U		10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Methylphenol	10	UG/L	U	U		10	1
	4-Nitroaniline	10	UG/L	U	U		10	1
	4-Nitrophenol	10	UG/L	U	U		10	1
	Acenaphthene	1	UG/L	U	U		1	1
	Acenaphthylene	1	UG/L	U	U		1	1
	alpha-Terpineol	10	UG/L	U	U		10	1
	Anthracene	1	UG/L	U	U		1	1
	Atrazine	10	UG/L	U	U		10	1
	Benz(a)anthracene	1	UG/L	U	U		1	1
	Benzaldehyde	10	UG/L	U	U		10	1
	Benzenemethanol	10	UG/L	U	U		10	1
	Benzidine	10	UG/L	U	U		10	1
	Benzo(a)pyrene	1	UG/L	U	U		1	1
	Benzo(b)fluoranthene	1	UG/L	U	U		1	1
	Benzo(ghi)perylene	1	UG/L	U	U		1	1
	Benzo(k)fluoranthene	1	UG/L	U	U		1	1
	Benzoic acid	20	UG/L	U	U		20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U		10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U		10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U		10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U		10	1
	Butyl benzyl phthalate	10	UG/L	U	U		10	1
	Carbazole	1	UG/L	U	U		1	1
	Chrysene	1	UG/L	U	U		1	1
	Di-n-butyl phthalate	10	UG/L	U	U		10	1
	Di-n-octylphthalate	10	UG/L	U	U		10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1
	Dibenzofuran	10	UG/L	U	U		10	1
	Diethyl phthalate	10	UG/L	U	U		10	1
	Dimethyl phthalate	10	UG/L	U	U		10	1
	Diphenylamine	10	UG/L	U	U		10	1
	Fluoranthene	1	UG/L	U	U		1	1
	Fluorene	0.284	UG/L	J	J		1	1
	Hexachlorobenzene	10	UG/L	U	U		10	1
	Hexachlorobutadiene	10	UG/L	U	U		10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U		10	1
	Hexachloroethane	10	UG/L	U	U		10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1
	Isophorone	10	UG/L	U	U		10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U		10	1
	Naphthalene	1.93	UG/L		=		1	1
	Nitrobenzene	10	UG/L	U	U		10	1
	Pentachlorophenol	10	UG/L	U	U		10	1
	Phenanthrene	0.492	UG/L	J	J		1	1
	Phenol	10	UG/L	U	U		10	1
	Pyrene	1	UG/L	U	U		1	1

Station: 7J-SB-16
Sample ID: 7J4N41 Media: Groundwater
Date Collected: 07/11/2007 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189456
SW846 8260B	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189453
SW846 8270C	1,1-Biphenyl	9.71	UG/L	U	U		9.71	1
	1,2,4-Trichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,2-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,3-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,4-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	2,4,5-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4,6-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dimethylphenol	9.71	UG/L	U	U		9.71	1
	2,4-Dinitrophenol	19.4	UG/L	U	U		19.4	1
	2,4-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2,6-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2-Chloronaphthalene	0.971	UG/L	U	U		0.971	1
	2-Chlorophenol	9.71	UG/L	U	U		9.71	1
	2-Methyl-4,6-dinitrophenol	9.71	UG/L	U	U		9.71	1
	2-Methylnaphthalene	0.971	UG/L	U	U		0.971	1
	2-Methylphenol	9.71	UG/L	U	U		9.71	1
	2-Nitroaniline	9.71	UG/L	U	U		9.71	1
	2-Nitrophenol	9.71	UG/L	U	U		9.71	1
	3,3'-Dichlorobenzidine	9.71	UG/L	U	U		9.71	1
	3-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Bromophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Chloro-3-methylphenol	9.71	UG/L	U	U		9.71	1
	4-Chloroaniline	9.71	UG/L	U	U		9.71	1
	4-Chlorophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Methylphenol	9.71	UG/L	U	U		9.71	1
	4-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Nitrophenol	9.71	UG/L	U	U		9.71	1
	Acenaphthene	0.971	UG/L	U	U		0.971	1
	Acenaphthylene	0.971	UG/L	U	U		0.971	1
	alpha-Terpineol	9.71	UG/L	U	U		9.71	1
	Anthracene	0.971	UG/L	U	U		0.971	1
	Atrazine	9.71	UG/L	U	U		9.71	1
	Benz(a)anthracene	0.971	UG/L	U	U		0.971	1
	Benzaldehyde	9.71	UG/L	U	U		9.71	1
	Benzenemethanol	9.71	UG/L	U	U		9.71	1
	Benzidine	9.71	UG/L	U	U		9.71	1
	Benzo(a)pyrene	0.971	UG/L	U	U		0.971	1
	Benzo(b)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzo(ghi)perylene	0.971	UG/L	U	U		0.971	1
	Benzo(k)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzoic acid	19.4	UG/L	U	U		19.4	1
	Bis(2-chloroethoxy)methane	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroethyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroisopropyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-ethylhexyl)phthalate	9.71	UG/L	U	U		9.71	1
	Butyl benzyl phthalate	9.71	UG/L	U	U		9.71	1
	Carbazole	0.971	UG/L	U	U		0.971	1
	Chrysene	0.971	UG/L	U	U		0.971	1
	Di-n-butyl phthalate	9.71	UG/L	U	U		9.71	1

Station: 7J-SB-16
Sample ID: 7J4N41 Media: Groundwater
Date Collected: 07/11/2007 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189453
SW846 8270C	Di-n-octylphthalate	9.71	UG/L	U	U		9.71	1
	Dibenz(a,h)anthracene	0.971	UG/L	U	U		0.971	1
	Dibenzofuran	9.71	UG/L	U	U		9.71	1
	Diethyl phthalate	9.71	UG/L	U	U		9.71	1
	Dimethyl phthalate	9.71	UG/L	U	U		9.71	1
	Diphenylamine	9.71	UG/L	U	U		9.71	1
	Fluoranthene	0.971	UG/L	U	U		0.971	1
	Fluorene	0.971	UG/L	U	U		0.971	1
	Hexachlorobenzene	9.71	UG/L	U	U		9.71	1
	Hexachlorobutadiene	9.71	UG/L	U	U		9.71	1
	Hexachlorocyclopentadiene	9.71	UG/L	U	U		9.71	1
	Hexachloroethane	9.71	UG/L	U	U		9.71	1
	Indeno(1,2,3-cd)pyrene	0.971	UG/L	U	U		0.971	1
	Isophorone	9.71	UG/L	U	U		9.71	1
	N-Nitroso-di-n-propylamine	9.71	UG/L	U	U		9.71	1
	Naphthalene	0.971	UG/L	U	U		0.971	1
	Nitrobenzene	9.71	UG/L	U	U		9.71	1
	Pentachlorophenol	9.71	UG/L	U	U		9.71	1
	Phenanthrene	0.971	UG/L	U	U		0.971	1
	Phenol	9.71	UG/L	U	U		9.71	1
	Pyrene	0.971	UG/L	U	U		0.971	1

Station: 7J-SB-17
Sample ID: 7J4P11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189456
SW846 8260B	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	2.5	UG/L		=		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	8.14	UG/L		=		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189453
SW846 8270C	1,1-Biphenyl	9.52	UG/L	U	U		9.52	1
	1,2,4-Trichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,2-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,3-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,4-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	2,4,5-Trichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4,6-Trichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4-Dichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4-Dimethylphenol	9.52	UG/L	U	U		9.52	1
	2,4-Dinitrophenol	19	UG/L	U	U		19	1
	2,4-Dinitrotoluene	9.52	UG/L	U	U		9.52	1
	2,6-Dinitrotoluene	9.52	UG/L	U	U		9.52	1
	2-Chloronaphthalene	0.952	UG/L	U	U		0.952	1
	2-Chlorophenol	9.52	UG/L	U	U		9.52	1
	2-Methyl-4,6-dinitrophenol	9.52	UG/L	U	U		9.52	1
	2-Methylnaphthalene	0.461	UG/L	J	J		0.952	1
	2-Methylphenol	9.52	UG/L	U	U		9.52	1
	2-Nitroaniline	9.52	UG/L	U	U		9.52	1
	2-Nitrophenol	9.52	UG/L	U	U		9.52	1
	3,3'-Dichlorobenzidine	9.52	UG/L	U	U		9.52	1

Station: 7J-SB-17
Sample ID: 7J4P11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189453
SW846 8270C	3-Nitroaniline	9.52	UG/L	U	U		9.52	1
	4-Bromophenyl phenyl ether	9.52	UG/L	U	U		9.52	1
	4-Chloro-3-methylphenol	9.52	UG/L	U	U		9.52	1
	4-Chloroaniline	9.52	UG/L	U	U		9.52	1
	4-Chlorophenyl phenyl ether	9.52	UG/L	U	U		9.52	1
	4-Methylphenol	9.52	UG/L	U	U		9.52	1
	4-Nitroaniline	9.52	UG/L	U	U		9.52	1
	4-Nitrophenol	9.52	UG/L	U	U		9.52	1
	Acenaphthene	0.908	UG/L	J	J		0.952	1
	Acenaphthylene	0.952	UG/L	U	U		0.952	1
	alpha-Terpineol	9.52	UG/L	U	U		9.52	1
	Anthracene	0.952	UG/L	U	U		0.952	1
	Atrazine	9.52	UG/L	U	U		9.52	1
	Benz(a)anthracene	0.952	UG/L	U	U		0.952	1
	Benzaldehyde	9.52	UG/L	U	U		9.52	1
	Benzenemethanol	9.52	UG/L	U	U		9.52	1
	Benzidine	9.52	UG/L	U	U		9.52	1
	Benzo(a)pyrene	0.952	UG/L	U	U		0.952	1
	Benzo(b)fluoranthene	0.952	UG/L	U	U		0.952	1
	Benzo(ghi)perylene	0.952	UG/L	U	U		0.952	1
	Benzo(k)fluoranthene	0.952	UG/L	U	U		0.952	1
	Benzoic acid	19	UG/L	U	U		19	1
	Bis(2-chloroethoxy)methane	9.52	UG/L	U	U		9.52	1
	Bis(2-chloroethyl) ether	9.52	UG/L	U	U		9.52	1
	Bis(2-chloroisopropyl) ether	9.52	UG/L	U	U		9.52	1
	Bis(2-ethylhexyl)phthalate	1.97	UG/L	J	J		9.52	1
	Butyl benzyl phthalate	9.52	UG/L	U	U		9.52	1
	Carbazole	0.952	UG/L	U	U		0.952	1
	Chrysene	0.952	UG/L	U	U		0.952	1
	Di-n-butyl phthalate	9.52	UG/L	U	U		9.52	1
	Di-n-octylphthalate	9.52	UG/L	U	U		9.52	1
	Dibenz(a,h)anthracene	0.952	UG/L	U	U		0.952	1
	Dibenzofuran	9.52	UG/L	U	U		9.52	1
	Diethyl phthalate	3.01	UG/L	J	J		9.52	1
	Dimethyl phthalate	9.52	UG/L	U	U		9.52	1
	Diphenylamine	9.52	UG/L	U	U		9.52	1
	Fluoranthene	0.952	UG/L	U	U		0.952	1
	Fluorene	1.05	UG/L		=		0.952	1
	Hexachlorobenzene	9.52	UG/L	U	U		9.52	1
	Hexachlorobutadiene	9.52	UG/L	U	U		9.52	1
	Hexachlorocyclopentadiene	9.52	UG/L	U	U		9.52	1
	Hexachloroethane	9.52	UG/L	U	U		9.52	1
	Indeno(1,2,3-cd)pyrene	0.952	UG/L	U	U		0.952	1
	Isophorone	9.52	UG/L	U	U		9.52	1
	N-Nitroso-di-n-propylamine	9.52	UG/L	U	U		9.52	1
	Naphthalene	0.782	UG/L	J	J		0.952	1
	Nitrobenzene	9.52	UG/L	U	U		9.52	1
	Pentachlorophenol	9.52	UG/L	U	U		9.52	1
	Phenanthrene	0.952	UG/L	U	U		0.952	1
	Phenol	9.52	UG/L	U	U		9.52	1
	Pyrene	0.952	UG/L	U	U		0.952	1

Station: 7J-SB-18
Sample ID: 7J4R11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189456
SW846 8260B	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	2.2	UG/L		=		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	8.12	UG/L		=		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189453
SW846 8270C	1,1-Biphenyl	9.71	UG/L	U	U		9.71	1
	1,2,4-Trichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,2-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,3-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,4-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	2,4,5-Trichlorophenol	9.71	UG/L	U	R	G03	9.71	1
	2,4,6-Trichlorophenol	9.71	UG/L	U	R	G03	9.71	1
	2,4-Dichlorophenol	9.71	UG/L	U	R	G03	9.71	1
	2,4-Dimethylphenol	9.71	UG/L	U	R	G03	9.71	1
	2,4-Dinitrophenol	19.4	UG/L	U	R	G03	19.4	1
	2,4-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2,6-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2-Chloronaphthalene	0.971	UG/L	U	U		0.971	1
	2-Chlorophenol	9.71	UG/L	U	R	G03,H03	9.71	1
	2-Methyl-4,6-dinitrophenol	9.71	UG/L	U	R	G03	9.71	1
	2-Methylnaphthalene	0.971	UG/L	U	U		0.971	1
	2-Methylphenol	9.71	UG/L	U	R	G03	9.71	1
	2-Nitroaniline	9.71	UG/L	U	U		9.71	1
	2-Nitrophenol	9.71	UG/L	U	R	G03	9.71	1
	3,3'-Dichlorobenzidine	9.71	UG/L	U	U		9.71	1
	3-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Bromophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Chloro-3-methylphenol	9.71	UG/L	U	R	G03	9.71	1
	4-Chloroaniline	9.71	UG/L	U	U		9.71	1
	4-Chlorophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Methylphenol	9.71	UG/L	U	R	G03	9.71	1
	4-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Nitrophenol	9.71	UG/L	U	R	G03,H03	9.71	1
	Acenaphthene	0.971	UG/L	U	U		0.971	1
	Acenaphthylene	0.971	UG/L	U	U		0.971	1
	alpha-Terpineol	9.71	UG/L	U	R	G03	9.71	1
	Anthracene	0.971	UG/L	U	U		0.971	1
	Atrazine	9.71	UG/L	U	U		9.71	1
	Benz(a)anthracene	0.971	UG/L	U	U		0.971	1
	Benzaldehyde	9.71	UG/L	U	U		9.71	1
	Benzenemethanol	9.71	UG/L	U	R	G03	9.71	1
	Benzidine	9.71	UG/L	U	U		9.71	1
	Benzo(a)pyrene	0.971	UG/L	U	U		0.971	1
	Benzo(b)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzo(ghi)perylene	0.971	UG/L	U	U		0.971	1
	Benzo(k)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzoic acid	19.4	UG/L	U	R	G03	19.4	1
	Bis(2-chloroethoxy)methane	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroethyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroisopropyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-ethylhexyl)phthalate	9.71	UG/L	U	U		9.71	1
	Butyl benzyl phthalate	9.71	UG/L	U	U		9.71	1
	Carbazole	0.971	UG/L	U	U		0.971	1
	Chrysene	0.971	UG/L	U	U		0.971	1
	Di-n-butyl phthalate	9.71	UG/L	U	U		9.71	1

Station: 7J-SB-18
Sample ID: 7J4R11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189453
SW846 8270C	Di-n-octylphthalate	9.71	UG/L	U	U		9.71	1
	Dibenz(a,h)anthracene	0.971	UG/L	U	U		0.971	1
	Dibenzofuran	9.71	UG/L	U	U		9.71	1
	Diethyl phthalate	9.71	UG/L	U	U		9.71	1
	Dimethyl phthalate	9.71	UG/L	U	U		9.71	1
	Diphenylamine	9.71	UG/L	U	U		9.71	1
	Fluoranthene	0.971	UG/L	U	U		0.971	1
	Fluorene	0.971	UG/L	U	U		0.971	1
	Hexachlorobenzene	9.71	UG/L	U	U		9.71	1
	Hexachlorobutadiene	9.71	UG/L	U	U		9.71	1
	Hexachlorocyclopentadiene	9.71	UG/L	U	U		9.71	1
	Hexachloroethane	9.71	UG/L	U	U		9.71	1
	Indeno(1,2,3-cd)pyrene	0.971	UG/L	U	U		0.971	1
	Isophorone	9.71	UG/L	U	U		9.71	1
	N-Nitroso-di-n-propylamine	9.71	UG/L	U	U		9.71	1
	Naphthalene	0.971	UG/L	U	U		0.971	1
	Nitrobenzene	9.71	UG/L	U	U		9.71	1
	Pentachlorophenol	9.71	UG/L	U	R	G03,H03	9.71	1
	Phenanthrene	0.971	UG/L	U	U		0.971	1
	Phenol	9.71	UG/L	U	R	G03	9.71	1
	Pyrene	0.971	UG/L	U	U		0.971	1

Station: 7J-SB-19
Sample ID: 7J4S11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189456
SW846 8260B	Benzene	151	UG/L	D	=		2	2
	Ethylbenzene	14.3	UG/L		=		1	1
	Toluene	3.48	UG/L		=		1	1
	Xylenes, Total	30.6	UG/L		=		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189453
SW846 8270C	1,1-Biphenyl	3.27	UG/L	J	J		9.8	1
	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	31.8	UG/L		=		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1

Station: 7J-SB-19
Sample ID: 7J4S11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189453
SW846 8270C	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1
	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	0.976	UG/L	J	J		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	alpha-Terpineol	9.8	UG/L	U	U		9.8	1
	Anthracene	0.212	UG/L	J	J		0.98	1
	Atrazine	9.8	UG/L	U	U		9.8	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzaldehyde	9.8	UG/L	U	U		9.8	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzidine	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1
	Carbazole	5.95	UG/L		=		0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1
	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	1.45	UG/L		=		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	31.9	UG/L		=		0.98	1
	Nitrobenzene	9.8	UG/L	U	U		9.8	1
	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	1.91	UG/L		=		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1

Station: 7J-SB-20
Sample ID: 7J4T11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189456
SW846 8260B	Benzene	17.9	UG/L		=		1	1
	Ethylbenzene	2.73	UG/L		=		1	1
	Toluene	0.267	UG/L	J	J		1	1
	Xylenes, Total	11.4	UG/L		=		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189444
SW846 8270C	1,1-Biphenyl	10	UG/L	U	U		10	1
	1,2,4-Trichlorobenzene	10	UG/L	U	U		10	1
	1,2-Dichlorobenzene	10	UG/L	U	U		10	1
	1,3-Dichlorobenzene	10	UG/L	U	U		10	1
	1,4-Dichlorobenzene	10	UG/L	U	U		10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U		10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U		10	1
	2,4-Dichlorophenol	10	UG/L	U	U		10	1
	2,4-Dimethylphenol	10	UG/L	U	U		10	1
	2,4-Dinitrophenol	20	UG/L	U	U		20	1
	2,4-Dinitrotoluene	10	UG/L	U	U		10	1
	2,6-Dinitrotoluene	10	UG/L	U	U		10	1
	2-Chloronaphthalene	1	UG/L	U	U		1	1
	2-Chlorophenol	10	UG/L	U	U		10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U		10	1
	2-Methylnaphthalene	2.99	UG/L		=		1	1
	2-Methylphenol	10	UG/L	U	U		10	1
	2-Nitroaniline	10	UG/L	U	U		10	1
	2-Nitrophenol	10	UG/L	U	U		10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U		10	1
	3-Nitroaniline	10	UG/L	U	U		10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U		10	1
	4-Chloroaniline	10	UG/L	U	U		10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Methylphenol	10	UG/L	U	U		10	1
	4-Nitroaniline	10	UG/L	U	U		10	1
	4-Nitrophenol	10	UG/L	U	U		10	1
	Acenaphthene	1	UG/L	U	U		1	1
	Acenaphthylene	1	UG/L	U	U		1	1
	alpha-Terpineol	10	UG/L	U	U		10	1
	Anthracene	1	UG/L	U	U		1	1
	Atrazine	10	UG/L	U	U		10	1
	Benz(a)anthracene	1	UG/L	U	U		1	1
	Benzaldehyde	10	UG/L	U	U		10	1
	Benzenemethanol	10	UG/L	U	U		10	1
	Benzidine	10	UG/L	U	U		10	1
	Benzo(a)pyrene	1	UG/L	U	U		1	1
	Benzo(b)fluoranthene	1	UG/L	U	U		1	1
	Benzo(ghi)perylene	1	UG/L	U	U		1	1
	Benzo(k)fluoranthene	1	UG/L	U	U		1	1
	Benzoic acid	20	UG/L	U	U		20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U		10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U		10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U		10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U		10	1
	Butyl benzyl phthalate	10	UG/L	U	U		10	1
	Carbazole	0.488	UG/L	J	J		1	1
	Chrysene	1	UG/L	U	U		1	1
	Di-n-butyl phthalate	10	UG/L	U	U		10	1

Station: 7J-SB-20
Sample ID: 7J4T11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/11/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189444
SW846 8270C	Di-n-octylphthalate	10	UG/L	U	U		10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1
	Dibenzofuran	10	UG/L	U	U		10	1
	Diethyl phthalate	10	UG/L	U	U		10	1
	Dimethyl phthalate	10	UG/L	U	U		10	1
	Diphenylamine	10	UG/L	U	U		10	1
	Fluoranthene	1	UG/L	U	U		1	1
	Fluorene	0.315	UG/L	J	J		1	1
	Hexachlorobenzene	10	UG/L	U	U		10	1
	Hexachlorobutadiene	10	UG/L	U	U		10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U		10	1
	Hexachloroethane	10	UG/L	U	U		10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1
	Isophorone	10	UG/L	U	U		10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U		10	1
	Naphthalene	8.6	UG/L		=		1	1
	Nitrobenzene	10	UG/L	U	U		10	1
	Pentachlorophenol	10	UG/L	U	U		10	1
	Phenanthrene	0.506	UG/L	J	J		1	1
	Phenol	10	UG/L	U	U		10	1
	Pyrene	1	UG/L	U	U		1	1

Station: 7J-SB-21
Sample ID: 7J4U11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189546
SW846 8260B	Benzene	6.05	UG/L		=		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189546
SW846 8270C	1,1-Biphenyl	3.81	UG/L	J	J		10.1	1
	1,2,4-Trichlorobenzene	10.1	UG/L	U	U		10.1	1
	1,2-Dichlorobenzene	10.1	UG/L	U	U		10.1	1
	1,3-Dichlorobenzene	10.1	UG/L	U	U		10.1	1
	1,4-Dichlorobenzene	10.1	UG/L	U	U		10.1	1
	2,4,5-Trichlorophenol	10.1	UG/L	U	U		10.1	1
	2,4,6-Trichlorophenol	10.1	UG/L	U	U		10.1	1
	2,4-Dichlorophenol	10.1	UG/L	U	U		10.1	1
	2,4-Dimethylphenol	10.1	UG/L	U	U		10.1	1
	2,4-Dinitrophenol	20.2	UG/L	U	U		20.2	1
	2,4-Dinitrotoluene	10.1	UG/L	U	U		10.1	1
	2,6-Dinitrotoluene	10.1	UG/L	U	U		10.1	1
	2-Chloronaphthalene	1.01	UG/L	U	U		1.01	1
	2-Chlorophenol	10.1	UG/L	U	U		10.1	1
	2-Methyl-4,6-dinitrophenol	10.1	UG/L	U	U		10.1	1
	2-Methylnaphthalene	0.985	UG/L	J	J		1.01	1
	2-Methylphenol	10.1	UG/L	U	U		10.1	1
	2-Nitroaniline	10.1	UG/L	U	U		10.1	1
	2-Nitrophenol	10.1	UG/L	U	U		10.1	1
	3,3'-Dichlorobenzidine	10.1	UG/L	U	U		10.1	1

Station: 7J-SB-21
Sample ID: 7J4U11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189546
SW846 8270C	3-Nitroaniline	10.1	UG/L	U	U		10.1	1
	4-Bromophenyl phenyl ether	10.1	UG/L	U	U		10.1	1
	4-Chloro-3-methylphenol	10.1	UG/L	U	U		10.1	1
	4-Chloroaniline	10.1	UG/L	U	U		10.1	1
	4-Chlorophenyl phenyl ether	10.1	UG/L	U	U		10.1	1
	4-Methylphenol	10.1	UG/L	U	U		10.1	1
	4-Nitroaniline	10.1	UG/L	U	U		10.1	1
	4-Nitrophenol	10.1	UG/L	U	U		10.1	1
	Acenaphthene	1.01	UG/L	U	U		1.01	1
	Acenaphthylene	1.01	UG/L	U	U		1.01	1
	alpha-Terpineol	10.1	UG/L	U	U		10.1	1
	Anthracene	1.01	UG/L	U	U		1.01	1
	Atrazine	10.1	UG/L	U	U		10.1	1
	Benz(a)anthracene	1.01	UG/L	U	U		1.01	1
	Benzaldehyde	10.1	UG/L	U	U		10.1	1
	Benzenemethanol	10.1	UG/L	U	U		10.1	1
	Benzidine	10.1	UG/L	U	U		10.1	1
	Benzo(a)pyrene	1.01	UG/L	U	U		1.01	1
	Benzo(b)fluoranthene	1.01	UG/L	U	U		1.01	1
	Benzo(ghi)perylene	1.01	UG/L	U	U		1.01	1
	Benzo(k)fluoranthene	1.01	UG/L	U	U		1.01	1
	Benzoic acid	20.2	UG/L	U	U		20.2	1
	Bis(2-chloroethoxy)methane	10.1	UG/L	U	U		10.1	1
	Bis(2-chloroethyl) ether	10.1	UG/L	U	U		10.1	1
	Bis(2-chloroisopropyl) ether	10.1	UG/L	U	U		10.1	1
	Bis(2-ethylhexyl)phthalate	10.1	UG/L	U	U		10.1	1
	Butyl benzyl phthalate	10.1	UG/L	U	U		10.1	1
	Carbazole	1.01	UG/L	U	U		1.01	1
	Chrysene	1.01	UG/L	U	U		1.01	1
	Di-n-butyl phthalate	10.1	UG/L	U	U		10.1	1
	Di-n-octylphthalate	10.1	UG/L	U	U		10.1	1
	Dibenz(a,h)anthracene	1.01	UG/L	U	U		1.01	1
	Dibenzofuran	10.1	UG/L	U	U		10.1	1
	Diethyl phthalate	2.4	UG/L	J	J		10.1	1
	Dimethyl phthalate	10.1	UG/L	U	U		10.1	1
	Diphenylamine	10.1	UG/L	U	U		10.1	1
	Fluoranthene	1.01	UG/L	U	U		1.01	1
	Fluorene	1.14	UG/L		=		1.01	1
	Hexachlorobenzene	10.1	UG/L	U	U		10.1	1
	Hexachlorobutadiene	10.1	UG/L	U	U		10.1	1
	Hexachlorocyclopentadiene	10.1	UG/L	U	U		10.1	1
	Hexachloroethane	10.1	UG/L	U	U		10.1	1
	Indeno(1,2,3-cd)pyrene	1.01	UG/L	U	U		1.01	1
	Isophorone	10.1	UG/L	U	U		10.1	1
	N-Nitroso-di-n-propylamine	10.1	UG/L	U	U		10.1	1
	Naphthalene	20.5	UG/L		=		1.01	1
	Nitrobenzene	10.1	UG/L	U	U		10.1	1
	Pentachlorophenol	10.1	UG/L	U	U		10.1	1
	Phenanthrene	0.775	UG/L	J	J		1.01	1
	Phenol	10.1	UG/L	U	U		10.1	1
	Pyrene	1.01	UG/L	U	U		1.01	1

Station: 7J-SB-21
Sample ID: 7J4U21 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/12/2007 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189546
SW846 8260B	Benzene	6.3	UG/L		=		1	1
	Ethylbenzene	0.314	UG/L	J	J		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	0.359	UG/L	J	J		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189546
SW846 8270C	1,1-Biphenyl	4.26	UG/L	J	J		10	1
	1,2,4-Trichlorobenzene	10	UG/L	U	U		10	1
	1,2-Dichlorobenzene	10	UG/L	U	U		10	1
	1,3-Dichlorobenzene	10	UG/L	U	U		10	1
	1,4-Dichlorobenzene	10	UG/L	U	U		10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U		10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U		10	1
	2,4-Dichlorophenol	10	UG/L	U	U		10	1
	2,4-Dimethylphenol	10	UG/L	U	U		10	1
	2,4-Dinitrophenol	20	UG/L	U	U		20	1
	2,4-Dinitrotoluene	10	UG/L	U	U		10	1
	2,6-Dinitrotoluene	10	UG/L	U	U		10	1
	2-Chloronaphthalene	1	UG/L	U	U		1	1
	2-Chlorophenol	10	UG/L	U	U		10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U		10	1
	2-Methylnaphthalene	0.715	UG/L	J	J		1	1
	2-Methylphenol	10	UG/L	U	U		10	1
	2-Nitroaniline	10	UG/L	U	U		10	1
	2-Nitrophenol	10	UG/L	U	U		10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U		10	1
	3-Nitroaniline	10	UG/L	U	U		10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U		10	1
	4-Chloroaniline	10	UG/L	U	U		10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Methylphenol	10	UG/L	U	U		10	1
	4-Nitroaniline	10	UG/L	U	U		10	1
	4-Nitrophenol	10	UG/L	U	U		10	1
	Acenaphthene	1	UG/L	U	U		1	1
	Acenaphthylene	1	UG/L	U	U		1	1
	alpha-Terpineol	10	UG/L	U	U		10	1
	Anthracene	1	UG/L	U	U		1	1
	Atrazine	10	UG/L	U	U		10	1
	Benz(a)anthracene	1	UG/L	U	U		1	1
	Benzaldehyde	10	UG/L	U	U		10	1
	Benzenemethanol	10	UG/L	U	U		10	1
	Benzidine	10	UG/L	U	U		10	1
	Benzo(a)pyrene	1	UG/L	U	U		1	1
	Benzo(b)fluoranthene	1	UG/L	U	U		1	1
	Benzo(ghi)perylene	1	UG/L	U	U		1	1
	Benzo(k)fluoranthene	1	UG/L	U	U		1	1
	Benzoic acid	20	UG/L	U	U		20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U		10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U		10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U		10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U		10	1
	Butyl benzyl phthalate	10	UG/L	U	U		10	1
	Carbazole	0.746	UG/L	J	J		1	1
	Chrysene	1	UG/L	U	U		1	1
	Di-n-butyl phthalate	10	UG/L	U	U		10	1

Station: 7J-SB-21
Sample ID: 7J4U21 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/12/2007 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189546
SW846 8270C	Di-n-octylphthalate	10	UG/L	U	U		10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1
	Dibenzofuran	10	UG/L	U	U		10	1
	Diethyl phthalate	10	UG/L	U	U		10	1
	Dimethyl phthalate	10	UG/L	U	U		10	1
	Diphenylamine	10	UG/L	U	U		10	1
	Fluoranthene	1	UG/L	U	U		1	1
	Fluorene	1.21	UG/L		=		1	1
	Hexachlorobenzene	10	UG/L	U	U		10	1
	Hexachlorobutadiene	10	UG/L	U	U		10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U		10	1
	Hexachloroethane	10	UG/L	U	U		10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1
	Isophorone	10	UG/L	U	U		10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U		10	1
	Naphthalene	22.8	UG/L		=		1	1
	Nitrobenzene	10	UG/L	U	U		10	1
	Pentachlorophenol	10	UG/L	U	U		10	1
	Phenanthrene	0.903	UG/L	J	J		1	1
	Phenol	10	UG/L	U	U		10	1
	Pyrene	1	UG/L	U	U		1	1

Station: 7J-SB-22
Sample ID: 7J4V11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189546
SW846 8260B	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189546
SW846 8270C	1,1-Biphenyl	9.31	UG/L	U	U		9.31	1
	1,2,4-Trichlorobenzene	9.31	UG/L	U	U		9.31	1
	1,2-Dichlorobenzene	9.31	UG/L	U	U		9.31	1
	1,3-Dichlorobenzene	9.31	UG/L	U	U		9.31	1
	1,4-Dichlorobenzene	9.31	UG/L	U	U		9.31	1
	2,4,5-Trichlorophenol	9.31	UG/L	U	U		9.31	1
	2,4,6-Trichlorophenol	9.31	UG/L	U	U		9.31	1
	2,4-Dichlorophenol	9.31	UG/L	U	U		9.31	1
	2,4-Dimethylphenol	9.31	UG/L	U	U		9.31	1
	2,4-Dinitrophenol	18.6	UG/L	U	U		18.6	1
	2,4-Dinitrotoluene	9.31	UG/L	U	U		9.31	1
	2,6-Dinitrotoluene	9.31	UG/L	U	U		9.31	1
	2-Chloronaphthalene	0.931	UG/L	U	U		0.931	1
	2-Chlorophenol	9.31	UG/L	U	U		9.31	1
	2-Methyl-4,6-dinitrophenol	9.31	UG/L	U	U		9.31	1
	2-Methylnaphthalene	0.749	UG/L	J	J		0.931	1
	2-Methylphenol	9.31	UG/L	U	U		9.31	1
	2-Nitroaniline	9.31	UG/L	U	U		9.31	1
	2-Nitrophenol	9.31	UG/L	U	U		9.31	1
	3,3'-Dichlorobenzidine	9.31	UG/L	U	U		9.31	1

Station: 7J-SB-22
Sample ID: 7J4V11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189546
SW846 8270C	3-Nitroaniline	9.31	UG/L	U	U		9.31	1
	4-Bromophenyl phenyl ether	9.31	UG/L	U	U		9.31	1
	4-Chloro-3-methylphenol	9.31	UG/L	U	U		9.31	1
	4-Chloroaniline	9.31	UG/L	U	U		9.31	1
	4-Chlorophenyl phenyl ether	9.31	UG/L	U	U		9.31	1
	4-Methylphenol	9.31	UG/L	U	U		9.31	1
	4-Nitroaniline	9.31	UG/L	U	U		9.31	1
	4-Nitrophenol	9.31	UG/L	U	U		9.31	1
	Acenaphthene	0.931	UG/L	U	U		0.931	1
	Acenaphthylene	0.931	UG/L	U	U		0.931	1
	alpha-Terpineol	9.31	UG/L	U	U		9.31	1
	Anthracene	0.931	UG/L	U	U		0.931	1
	Atrazine	9.31	UG/L	U	U		9.31	1
	Benz(a)anthracene	0.931	UG/L	U	U		0.931	1
	Benzaldehyde	9.31	UG/L	U	U		9.31	1
	Benzenemethanol	9.31	UG/L	U	U		9.31	1
	Benzidine	9.31	UG/L	U	U		9.31	1
	Benzo(a)pyrene	0.931	UG/L	U	U		0.931	1
	Benzo(b)fluoranthene	0.931	UG/L	U	U		0.931	1
	Benzo(ghi)perylene	0.931	UG/L	U	U		0.931	1
	Benzo(k)fluoranthene	0.931	UG/L	U	U		0.931	1
	Benzoic acid	18.6	UG/L	U	U		18.6	1
	Bis(2-chloroethoxy)methane	9.31	UG/L	U	U		9.31	1
	Bis(2-chloroethyl) ether	9.31	UG/L	U	U		9.31	1
	Bis(2-chloroisopropyl) ether	9.31	UG/L	U	U		9.31	1
	Bis(2-ethylhexyl)phthalate	9.31	UG/L	U	U		9.31	1
	Butyl benzyl phthalate	9.31	UG/L	U	U		9.31	1
	Carbazole	0.931	UG/L	U	U		0.931	1
	Chrysene	0.931	UG/L	U	U		0.931	1
	Di-n-butyl phthalate	9.31	UG/L	U	U		9.31	1
	Di-n-octylphthalate	9.31	UG/L	U	U		9.31	1
	Dibenz(a,h)anthracene	0.931	UG/L	U	U		0.931	1
	Dibenzofuran	9.31	UG/L	U	U		9.31	1
	Diethyl phthalate	9.31	UG/L	U	U		9.31	1
	Dimethyl phthalate	9.31	UG/L	U	U		9.31	1
	Diphenylamine	9.31	UG/L	U	U		9.31	1
	Fluoranthene	0.931	UG/L	U	U		0.931	1
	Fluorene	0.73	UG/L	J	J		0.931	1
	Hexachlorobenzene	9.31	UG/L	U	U		9.31	1
	Hexachlorobutadiene	9.31	UG/L	U	U		9.31	1
	Hexachlorocyclopentadiene	9.31	UG/L	U	U		9.31	1
	Hexachloroethane	9.31	UG/L	U	U		9.31	1
	Indeno(1,2,3-cd)pyrene	0.931	UG/L	U	U		0.931	1
	Isophorone	9.31	UG/L	U	U		9.31	1
	N-Nitroso-di-n-propylamine	9.31	UG/L	U	U		9.31	1
	Naphthalene	0.931	UG/L	U	U		0.931	1
	Nitrobenzene	9.31	UG/L	U	U		9.31	1
	Pentachlorophenol	9.31	UG/L	U	U		9.31	1
	Phenanthrene	1.21	UG/L		=		0.931	1
	Phenol	9.31	UG/L	U	U		9.31	1
	Pyrene	0.931	UG/L	U	U		0.931	1

Station: 7J-SB-23
Sample ID: 7J4X11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Validation Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	189546
SW846 8260B	Benzene	0.506	UG/L	J	J		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189546
SW846 8270C	1,1-Biphenyl	10.1	UG/L	U	U		10.1	1
	1,2,4-Trichlorobenzene	10.1	UG/L	U	U		10.1	1
	1,2-Dichlorobenzene	10.1	UG/L	U	U		10.1	1
	1,3-Dichlorobenzene	10.1	UG/L	U	U		10.1	1
	1,4-Dichlorobenzene	10.1	UG/L	U	U		10.1	1
	2,4,5-Trichlorophenol	10.1	UG/L	U	U		10.1	1
	2,4,6-Trichlorophenol	10.1	UG/L	U	U		10.1	1
	2,4-Dichlorophenol	10.1	UG/L	U	U		10.1	1
	2,4-Dimethylphenol	10.1	UG/L	U	U		10.1	1
	2,4-Dinitrophenol	20.2	UG/L	U	U		20.2	1
	2,4-Dinitrotoluene	10.1	UG/L	U	U		10.1	1
	2,6-Dinitrotoluene	10.1	UG/L	U	U		10.1	1
	2-Chloronaphthalene	1.01	UG/L	U	U		1.01	1
	2-Chlorophenol	10.1	UG/L	U	U		10.1	1
	2-Methyl-4,6-dinitrophenol	10.1	UG/L	U	U		10.1	1
	2-Methylnaphthalene	2.77	UG/L		=		1.01	1
	2-Methylphenol	10.1	UG/L	U	U		10.1	1
	2-Nitroaniline	10.1	UG/L	U	U		10.1	1
	2-Nitrophenol	10.1	UG/L	U	U		10.1	1
	3,3'-Dichlorobenzidine	10.1	UG/L	U	U		10.1	1
	3-Nitroaniline	10.1	UG/L	U	U		10.1	1
	4-Bromophenyl phenyl ether	10.1	UG/L	U	U		10.1	1
	4-Chloro-3-methylphenol	10.1	UG/L	U	U		10.1	1
	4-Chloroaniline	10.1	UG/L	U	U		10.1	1
	4-Chlorophenyl phenyl ether	10.1	UG/L	U	U		10.1	1
	4-Methylphenol	10.1	UG/L	U	U		10.1	1
	4-Nitroaniline	10.1	UG/L	U	U		10.1	1
	4-Nitrophenol	10.1	UG/L	U	U		10.1	1
	Acenaphthene	1.01	UG/L	U	U		1.01	1
	Acenaphthylene	1.01	UG/L	U	U		1.01	1
	alpha-Terpineol	10.1	UG/L	U	U		10.1	1
	Anthracene	1.01	UG/L	U	U		1.01	1
	Atrazine	10.1	UG/L	U	U		10.1	1
	Benz(a)anthracene	1.01	UG/L	U	U		1.01	1
	Benzaldehyde	10.1	UG/L	U	U		10.1	1
	Benzenemethanol	10.1	UG/L	U	U		10.1	1
	Benzidine	10.1	UG/L	U	U		10.1	1
	Benzo(a)pyrene	1.01	UG/L	U	U		1.01	1
	Benzo(b)fluoranthene	1.01	UG/L	U	U		1.01	1
	Benzo(ghi)perylene	1.01	UG/L	U	U		1.01	1
	Benzo(k)fluoranthene	1.01	UG/L	U	U		1.01	1
	Benzoic acid	20.2	UG/L	U	U		20.2	1
	Bis(2-chloroethoxy)methane	10.1	UG/L	U	U		10.1	1
	Bis(2-chloroethyl) ether	10.1	UG/L	U	U		10.1	1
	Bis(2-chloroisopropyl) ether	10.1	UG/L	U	U		10.1	1
	Bis(2-ethylhexyl)phthalate	10.1	UG/L	U	U		10.1	1
	Butyl benzyl phthalate	10.1	UG/L	U	U		10.1	1
	Carbazole	1.01	UG/L	U	U		1.01	1
	Chrysene	1.01	UG/L	U	U		1.01	1
	Di-n-butyl phthalate	10.1	UG/L	U	U		10.1	1

Station: 7J-SB-23
Sample ID: 7J4X11 Media: Groundwater Depth: 12 - 16 FT
Date Collected: 07/12/2007 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	189546
SW846 8270C	Di-n-octylphthalate	10.1	UG/L	U	U		10.1	1
	Dibenz(a,h)anthracene	1.01	UG/L	U	U		1.01	1
	Dibenzofuran	10.1	UG/L	U	U		10.1	1
	Diethyl phthalate	2.61	UG/L	J	J		10.1	1
	Dimethyl phthalate	10.1	UG/L	U	U		10.1	1
	Diphenylamine	10.1	UG/L	U	U		10.1	1
	Fluoranthene	1.01	UG/L	U	U		1.01	1
	Fluorene	0.644	UG/L	J	J		1.01	1
	Hexachlorobenzene	10.1	UG/L	U	U		10.1	1
	Hexachlorobutadiene	10.1	UG/L	U	U		10.1	1
	Hexachlorocyclopentadiene	10.1	UG/L	U	U		10.1	1
	Hexachloroethane	10.1	UG/L	U	U		10.1	1
	Indeno(1,2,3-cd)pyrene	1.01	UG/L	U	U		1.01	1
	Isophorone	10.1	UG/L	U	U		10.1	1
	N-Nitroso-di-n-propylamine	10.1	UG/L	U	U		10.1	1
	Naphthalene	1.01	UG/L	U	U		1.01	1
	Nitrobenzene	10.1	UG/L	U	U		10.1	1
	Pentachlorophenol	10.1	UG/L	U	U		10.1	1
	Phenanthrene	0.526	UG/L	J	J		1.01	1
	Phenol	10.1	UG/L	U	U		10.1	1
	Pyrene	1.01	UG/L	U	U		1.01	1

Station: QC
Sample ID: TB0433 Media: Quality Control
Date Collected: 07/18/2007 Field Sample Type: Trip Blank

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	189872
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	2.28	UG/L	J	J		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	13.3	UG/L		=		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,2-Dichloroethene	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1

SW846 8260B	Styrene	1	UG/L	U	U	1	1
	Tetrachloroethene	1	UG/L	U	U	1	1
	Toluene	1	UG/L	U	U	1	1
	trans-1,2-Dichloroethene	1	UG/L	U	U	1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Trichloroethene	1	UG/L	U	U	1	1
	Vinyl acetate	5	UG/L	U	U	5	1
	Vinyl chloride	1	UG/L	U	U	1	1
	Xylenes, Total	1	UG/L	U	U	1	1

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189453 water
189455 soil

CHAIN OF CUSTODY RECORD

COC NO.: 27F023

PROJECT NAME: Fort Stewart SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): [signature] (Printed Name): PATRICIA A. SOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29417

PHONE NO: (843)556-8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J4S11	7/11/07	1305	water		2	2		
7J4M11		1520			2	2		
7J4P11		950			2	2		
7J4N41		1542			2	2		
7J4R11		1044			2	2		
7J1582		1128	SOIL		1	1		
7J1581		1122	SOIL		1	1		

[signature] 7/12/07

RELINQUISHED BY	Date/Time	RECEIVED BY:	Date/Time
[signature]	7/12/07 1040	Lindy Reynolds	7/12/07 1040
COMPANY NAME: SAIC		COMPANY NAME: GEL	
RECEIVED BY:	Date/Time	RELINQUISHED BY: Lindy Reynolds	Date/Time 7/12/07 1300
COMPANY NAME:		COMPANY NAME: GEL	
RELINQUISHED BY:	Date/Time	RECEIVED BY: [signature]	Date/Time 7/12/07 1300
COMPANY NAME:		COMPANY NAME: GEL	

TOTAL NUMBER OF CONTAINERS: 12

Cooler ID: #12

Cooler Temperature: 4 °C

FEDEX NUMBER: N/A

C-59

189445 soil
189446 water

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CHAIN OF CUSTODY RECORD

COC NO.: 27FØZ4

PROJECT NAME: Fort Stewart SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Patricia A Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29417

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J4N11	7/11/07	1722	Water		2	2		
7J4T11		1355	Water		2	2		
7JIN81		1700	SOIL	1	1	2		
7JIN82		1705		1	1	2		
7JIR82		1033		1	1	2		
7JIR81		1024		1	1	2		
7JIM21		1451		1	1	2		
7JIM82		1451		1	1	2		
7JIM81		1448		1	1	2		
7JIP82		920		1	1	2		
7JIP81		817		1	1	2		
7JIT81		1339		1	1	2		
7JIT82		1344		1	1	2		

REQUESTED PARAMETERS

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
Patricia A Stoll	7/12/07 1040	Lindy Reynolds	7/12/07 1040
COMPANY NAME: SAIC		COMPANY NAME: GEL	
RECEIVED BY:	Date/Time	RELINQUISHED BY: Lindy Reynolds	Date/Time 7/12/07 1300
COMPANY NAME:		COMPANY NAME: GEL	
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time 7/12/07 1300
COMPANY NAME:		COMPANY NAME: GEL	

TOTAL NUMBER OF CONTAINERS: 26

Cooler ID: #107

Cooler Temperature: 4°C

FEDEX NUMBER: N/A

189456 water
189461 soil

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CHAIN OF CUSTODY RECORD

COC NO.: 27F-025

PROJECT NAME: Fort Stewart SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Patricia A. Stoll (Printed Name): PATRICIA A. STOLL

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29417

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	REQUESTED PARAMETERS: BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J4P11	7/11/07	950	water	2		2		
7J4R11		1044		2		2		
7J4S11		1305		2		2		
7J4T11		1355		2		2		
7J4M11		1520		2		2		
7J4N41		1542		2		2		
7J4N11		1722		2		2		
7J1S81		1122	soil	1		1		
7J1S82		1128	soil	1		1		

P Stoll 7/12/07

RELINQUISHED BY: Patricia A. Stoll	Date/Time 7/12/07 1040	RECEIVED BY: Lindy Reynolds	Date/Time 7/12/07 1040	TOTAL NUMBER OF CONTAINERS: 16	Cooler Temperature: 4°C
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID: #212	FEDEX NUMBER: N/A
RECEIVED BY:	Date/Time	RELINQUISHED BY: Lindy Reynolds	Date/Time 7/12/07 1300		
COMPANY NAME:		COMPANY NAME: GEL			
RELINQUISHED BY:	Date/Time	RECEIVED BY: [illegible]	Date/Time 7/12/07 13:00		
COMPANY NAME:		COMPANY NAME: GEL			

1849447.0, 1849510.0

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CHAIN OF CUSTODY RECORD

COC NO.: 27F026

PROJECT NAME: Fort Stewart SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29417

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	REQUESTED PARAMETERS: BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J4U21	07/12/07	0840	WATER	2	2	4		
7J4X11	07/12/07	1030	WATER	2	2	4		
7J4V11	07/12/07	0930	WATER	2	2	4		
7J4U11	07/12/07	0840	WATER	2	2	4		
7J1X81	07/12/07	0957	SOIL	3	1	4		
7J1X82	07/12/07	1010	SOIL	3	1	4		
7J1V81	07/12/07	0911	SOIL	3	1	4		
7J1V82	07/12/07	0914	SOIL	3	1	4		
7J1U81	07/12/07	0822	SOIL	3	1	4		
JJ1U82	07/12/07	0824	SOIL	3	1	4		

RELINQUISHED BY: Wayne H. Parker	Date/Time 07/13/07 1130	RECEIVED BY: Amanda Munro	Date/Time 7/13/07 1450	TOTAL NUMBER OF CONTAINERS: 44	Cooler Temperature: 4°C
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID:	FEDEX NUMBER:
RECEIVED BY: Ben Watkins	Date/Time 07/13/07 1130	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Ben Watkins	Date/Time 7/13/07 1450	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			

ANALYTICAL SOIL RESULTS AND CHAIN-OF-CUSTODY FORMS

JANUARY 2008

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Station: 7J-SB-26
Sample ID: 7J12631 Media: Soil Depth: 8 - 9 FT
Date Collected: 01/28/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201842
SW846 8260	Benzene	0.851	UG/KG	J	J		1.02	1
	Ethylbenzene	13.7	UG/KG		=		1.02	1
	Toluene	0.455	UG/KG	J	J		1.02	1
	Xylenes, Total	24.4	UG/KG		=		1.02	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	1,2,4-Trichlorobenzene	393	UG/KG	U	U		393	1
	1,2-Dichlorobenzene	393	UG/KG	U	U		393	1
	1,3-Dichlorobenzene	393	UG/KG	U	U		393	1
	1,4-Dichlorobenzene	393	UG/KG	U	U		393	1
	2,4,5-Trichlorophenol	393	UG/KG	U	U		393	1
	2,4,6-Trichlorophenol	393	UG/KG	U	U		393	1
	2,4-Dichlorophenol	393	UG/KG	U	U		393	1
	2,4-Dimethylphenol	393	UG/KG	U	U		393	1
	2,4-Dinitrophenol	787	UG/KG	U	U		787	1
	2,4-Dinitrotoluene	393	UG/KG	U	U		393	1
	2,6-Dinitrotoluene	393	UG/KG	U	U		393	1
	2-Chloronaphthalene	39.3	UG/KG	U	U		39.3	1
	2-Chlorophenol	393	UG/KG	U	U		393	1
	2-Methyl-4,6-dinitrophenol	393	UG/KG	U	U		393	1
	2-Methylnaphthalene	1490	UG/KG		=		39.3	1
	2-Methylphenol	393	UG/KG	U	U		393	1
	2-Nitroaniline	393	UG/KG	U	U		393	1
	2-Nitrophenol	393	UG/KG	U	U		393	1
	3,3'-Dichlorobenzidine	393	UG/KG	U	U		393	1
	3-Nitroaniline	393	UG/KG	U	U		393	1
	4-Bromophenyl phenyl ether	393	UG/KG	U	U		393	1
	4-Chloro-3-methylphenol	393	UG/KG	U	U		393	1
	4-Chloroaniline	393	UG/KG	U	U		393	1
	4-Chlorophenyl phenyl ether	393	UG/KG	U	U		393	1
	4-Methylphenol	393	UG/KG	U	U		393	1
	4-Nitroaniline	393	UG/KG	U	U		393	1
	4-Nitrophenol	393	UG/KG	U	U		393	1
	Acenaphthene	107	UG/KG		=		39.3	1
	Acenaphthylene	39.3	UG/KG	U	U		39.3	1
	Anthracene	55.2	UG/KG		=		39.3	1
	Benz(a)anthracene	39.3	UG/KG	U	U		39.3	1
	Benzenemethanol	393	UG/KG	U	U		393	1
	Benzo(a)pyrene	39.3	UG/KG	U	U		39.3	1
	Benzo(b)fluoranthene	39.3	UG/KG	U	U		39.3	1
	Benzo(ghi)perylene	39.3	UG/KG	U	U		39.3	1
	Benzo(k)fluoranthene	39.3	UG/KG	U	U		39.3	1
	Benzoic acid	787	UG/KG	U	U		787	1
	Bis(2-chloroethoxy)methane	393	UG/KG	U	U		393	1
	Bis(2-chloroethyl) ether	393	UG/KG	U	U		393	1
	Bis(2-chloroisopropyl) ether	393	UG/KG	U	U		393	1
	Bis(2-ethylhexyl)phthalate	197	UG/KG	U	U		197	1
	Butyl benzyl phthalate	393	UG/KG	U	U		393	1
	Carbazole	39.3	UG/KG	U	U		39.3	1
	Chrysene	18.9	UG/KG	J	J		39.3	1
	Di-n-butyl phthalate	393	UG/KG	U	U		393	1
	Di-n-octylphthalate	393	UG/KG	U	U		393	1
	Dibenz(a,h)anthracene	39.3	UG/KG	U	UJ	C05	39.3	1
	Dibenzofuran	393	UG/KG	U	U		393	1
	Diethyl phthalate	393	UG/KG	U	U		393	1
	Dimethyl phthalate	393	UG/KG	U	U		393	1

Station: 7J-SB-26
Sample ID: 7J12631 Media: Soil Depth: 8 - 9 FT
Date Collected: 01/28/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	Diphenylamine	393	UG/KG	U	U		393	1
	Fluoranthene	90.9	UG/KG		U		39.3	1
	Fluorene	207	UG/KG		=		39.3	1
	Hexachlorobenzene	393	UG/KG	U	U		393	1
	Hexachlorobutadiene	393	UG/KG	U	U		393	1
	Hexachlorocyclopentadiene	393	UG/KG	U	U		393	1
	Hexachloroethane	393	UG/KG	U	U		393	1
	Indeno(1,2,3-cd)pyrene	39.3	UG/KG	U	U		39.3	1
	Isophorone	393	UG/KG	U	U		393	1
	N-Nitroso-di-n-propylamine	393	UG/KG	U	U		393	1
	Naphthalene	221	UG/KG		=		39.3	1
	Nitrobenzene	393	UG/KG	U	U		393	1
	Pentachlorophenol	393	UG/KG	U	U		393	1
	Phenanthrene	485	UG/KG		=		39.3	1
	Phenol	393	UG/KG	U	U		393	1
	Pyrene	130	UG/KG		=		39.3	1

Station: 7J-SB-26
Sample ID: 7J12681 Media: Soil Depth: 1.6 - 3.3 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201842
SW846 8260	Benzene	0.858	UG/KG	U	U		0.858	1
	Ethylbenzene	0.253	UG/KG	J	J		0.858	1
	Toluene	0.858	UG/KG	U	U		0.858	1
	Xylenes, Total	0.856	UG/KG	J	J		0.858	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	1,2,4-Trichlorobenzene	366	UG/KG	U	U		366	1
	1,2-Dichlorobenzene	366	UG/KG	U	U		366	1
	1,3-Dichlorobenzene	366	UG/KG	U	U		366	1
	1,4-Dichlorobenzene	366	UG/KG	U	U		366	1
	2,4,5-Trichlorophenol	366	UG/KG	U	U		366	1
	2,4,6-Trichlorophenol	366	UG/KG	U	U		366	1
	2,4-Dichlorophenol	366	UG/KG	U	U		366	1
	2,4-Dimethylphenol	366	UG/KG	U	U		366	1
	2,4-Dinitrophenol	732	UG/KG	U	U		732	1
	2,4-Dinitrotoluene	366	UG/KG	U	U		366	1
	2,6-Dinitrotoluene	366	UG/KG	U	U		366	1
	2-Chloronaphthalene	36.6	UG/KG	U	U		36.6	1
	2-Chlorophenol	366	UG/KG	U	U		366	1
	2-Methyl-4,6-dinitrophenol	366	UG/KG	U	UJ	K01	366	1
	2-Methylnaphthalene	36.6	UG/KG	U	U		36.6	1
	2-Methylphenol	366	UG/KG	U	U		366	1
	2-Nitroaniline	366	UG/KG	U	U		366	1
	2-Nitrophenol	366	UG/KG	U	U		366	1
	3,3'-Dichlorobenzidine	366	UG/KG	U	U		366	1
	3-Nitroaniline	366	UG/KG	U	U		366	1
	4-Bromophenyl phenyl ether	366	UG/KG	U	UJ	K01	366	1
	4-Chloro-3-methylphenol	366	UG/KG	U	U		366	1
	4-Chloroaniline	366	UG/KG	U	U		366	1
	4-Chlorophenyl phenyl ether	366	UG/KG	U	U		366	1
	4-Methylphenol	366	UG/KG	U	U		366	1
	4-Nitroaniline	366	UG/KG	U	U		366	1

Station: 7J-SB-26
Sample ID: 7J12681 Media: Soil Depth: 1.6 - 3.3 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	4-Nitrophenol	366	UG/KG	U	U		366	1
	Acenaphthene	36.6	UG/KG	U	U		36.6	1
	Acenaphthylene	36.6	UG/KG	U	U		36.6	1
	Anthracene	36.6	UG/KG	U	UJ	K01	36.6	1
	Benz(a)anthracene	36.6	UG/KG	U	U		36.6	1
	Benzenemethanol	366	UG/KG	U	U		366	1
	Benzo(a)pyrene	36.6	UG/KG	U	U		36.6	1
	Benzo(b)fluoranthene	36.6	UG/KG	U	U		36.6	1
	Benzo(ghi)perylene	36.6	UG/KG	U	U		36.6	1
	Benzo(k)fluoranthene	36.6	UG/KG	U	U		36.6	1
	Benzoic acid	732	UG/KG	U	U		732	1
	Bis(2-chloroethoxy)methane	366	UG/KG	U	U		366	1
	Bis(2-chloroethyl) ether	366	UG/KG	U	U		366	1
	Bis(2-chloroisopropyl) ether	366	UG/KG	U	U		366	1
	Bis(2-ethylhexyl)phthalate	183	UG/KG	U	U		183	1
	Butyl benzyl phthalate	366	UG/KG	U	U		366	1
	Carbazole	36.6	UG/KG	U	UJ	K01	36.6	1
	Chrysene	36.6	UG/KG	U	U		36.6	1
	Di-n-butyl phthalate	366	UG/KG	U	UJ	K01	366	1
	Di-n-octylphthalate	366	UG/KG	U	U		366	1
	Dibenz(a,h)anthracene	36.6	UG/KG	U	UJ	C05	36.6	1
	Dibenzofuran	366	UG/KG	U	U		366	1
	Diethyl phthalate	366	UG/KG	U	U		366	1
	Dimethyl phthalate	366	UG/KG	U	U		366	1
	Diphenylamine	366	UG/KG	U	U		366	1
	Fluoranthene	36.6	UG/KG	U	UJ	K01	36.6	1
	Fluorene	36.6	UG/KG	U	U		36.6	1
	Hexachlorobenzene	366	UG/KG	U	UJ	K01	366	1
	Hexachlorobutadiene	366	UG/KG	U	U		366	1
	Hexachlorocyclopentadiene	366	UG/KG	U	U		366	1
	Hexachloroethane	366	UG/KG	U	U		366	1
	Indeno(1,2,3-cd)pyrene	36.6	UG/KG	U	U		36.6	1
	Isophorone	366	UG/KG	U	U		366	1
	N-Nitroso-di-n-propylamine	366	UG/KG	U	U		366	1
	Naphthalene	36.6	UG/KG	U	U		36.6	1
	Nitrobenzene	366	UG/KG	U	U		366	1
	Pentachlorophenol	366	UG/KG	U	UJ	K01	366	1
	Phenanthrene	36.6	UG/KG	U	UJ	K01	36.6	1
	Phenol	366	UG/KG	U	U		366	1
	Pyrene	36.6	UG/KG	U	U		36.6	1

Station: 7J-SB-26
Sample ID: 7J12682 Media: Soil Depth: 8 - 9 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201842
SW846 8260	Benzene	0.355	UG/KG	J	J		0.938	1
	Ethylbenzene	20	UG/KG		=		0.938	1
	Toluene	0.392	UG/KG	J	J		0.938	1
	Xylenes, Total	27.5	UG/KG		=		0.938	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	1,2,4-Trichlorobenzene	394	UG/KG	U	U		394	1
	1,2-Dichlorobenzene	394	UG/KG	U	U		394	1

Station: 7J-SB-26
Sample ID: 7J12682 Media: Soil Depth: 8 - 9 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	1,3-Dichlorobenzene	394	UG/KG	U	U		394	1
	1,4-Dichlorobenzene	394	UG/KG	U	U		394	1
	2,4,5-Trichlorophenol	394	UG/KG	U	U		394	1
	2,4,6-Trichlorophenol	394	UG/KG	U	U		394	1
	2,4-Dichlorophenol	394	UG/KG	U	U		394	1
	2,4-Dimethylphenol	394	UG/KG	U	U		394	1
	2,4-Dinitrophenol	788	UG/KG	U	U		788	1
	2,4-Dinitrotoluene	394	UG/KG	U	U		394	1
	2,6-Dinitrotoluene	394	UG/KG	U	U		394	1
	2-Chloronaphthalene	39.4	UG/KG	U	U		39.4	1
	2-Chlorophenol	394	UG/KG	U	U		394	1
	2-Methyl-4,6-dinitrophenol	394	UG/KG	U	U		394	1
	2-Methylnaphthalene	2790	UG/KG		=		39.4	1
	2-Methylphenol	394	UG/KG	U	U		394	1
	2-Nitroaniline	394	UG/KG	U	U		394	1
	2-Nitrophenol	394	UG/KG	U	U		394	1
	3,3'-Dichlorobenzidine	394	UG/KG	U	U		394	1
	3-Nitroaniline	394	UG/KG	U	U		394	1
	4-Bromophenyl phenyl ether	394	UG/KG	U	U		394	1
	4-Chloro-3-methylphenol	394	UG/KG	U	U		394	1
	4-Chloroaniline	394	UG/KG	U	U		394	1
	4-Chlorophenyl phenyl ether	394	UG/KG	U	U		394	1
	4-Methylphenol	394	UG/KG	U	U		394	1
	4-Nitroaniline	394	UG/KG	U	U		394	1
	4-Nitrophenol	394	UG/KG	U	U		394	1
	Acenaphthene	210	UG/KG		=		39.4	1
	Acenaphthylene	39.4	UG/KG	U	U		39.4	1
	Anthracene	80.9	UG/KG		=		39.4	1
	Benz(a)anthracene	39.4	UG/KG	U	U		39.4	1
	Benzenemethanol	394	UG/KG	U	U		394	1
	Benzo(a)pyrene	39.4	UG/KG	U	U		39.4	1
	Benzo(b)fluoranthene	39.4	UG/KG	U	U		39.4	1
	Benzo(ghi)perylene	39.4	UG/KG	U	U		39.4	1
	Benzo(k)fluoranthene	39.4	UG/KG	U	U		39.4	1
	Benzoic acid	788	UG/KG	U	U		788	1
	Bis(2-chloroethoxy)methane	394	UG/KG	U	U		394	1
	Bis(2-chloroethyl) ether	394	UG/KG	U	U		394	1
	Bis(2-chloroisopropyl) ether	394	UG/KG	U	U		394	1
	Bis(2-ethylhexyl)phthalate	197	UG/KG	U	U		197	1
	Butyl benzyl phthalate	394	UG/KG	U	U		394	1
	Carbazole	39.4	UG/KG	U	U		39.4	1
	Chrysene	40.3	UG/KG		=		39.4	1
	Di-n-butyl phthalate	394	UG/KG	U	U		394	1
	Di-n-octylphthalate	394	UG/KG	U	U		394	1
	Dibenz(a,h)anthracene	39.4	UG/KG	U	UJ	C05	39.4	1
	Dibenzofuran	394	UG/KG	U	U		394	1
	Diethyl phthalate	394	UG/KG	U	U		394	1
	Dimethyl phthalate	394	UG/KG	U	U		394	1
	Diphenylamine	394	UG/KG	U	U		394	1
	Fluoranthene	173	UG/KG		=		39.4	1
	Fluorene	357	UG/KG		=		39.4	1
	Hexachlorobenzene	394	UG/KG	U	U		394	1
	Hexachlorobutadiene	394	UG/KG	U	U		394	1
	Hexachlorocyclopentadiene	394	UG/KG	U	U		394	1
	Hexachloroethane	394	UG/KG	U	U		394	1
	Indeno(1,2,3-cd)pyrene	39.4	UG/KG	U	U		39.4	1

Station: 7J-SB-26
Sample ID: 7J12682 Media: Soil Depth: 8 - 9 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	Isophorone	394	UG/KG	U	U		394	1
	N-Nitroso-di-n-propylamine	394	UG/KG	U	U		394	1
	Naphthalene	454	UG/KG		=		39.4	1
	Nitrobenzene	394	UG/KG	U	U		394	1
	Pentachlorophenol	394	UG/KG	U	U		394	1
	Phenanthrene	880	UG/KG		=		39.4	1
	Phenol	394	UG/KG	U	U		394	1
	Pyrene	242	UG/KG		=		39.4	1

Station: 7J-SB-27
Sample ID: 7J12781 Media: Soil Depth: 5.9 - 7.8 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201842
SW846 8260	Benzene	0.919	UG/KG	U	U		0.919	1
	Ethylbenzene	0.188	UG/KG	J	J		0.919	1
	Toluene	0.919	UG/KG	U	U		0.919	1
	Xylenes, Total	0.906	UG/KG	J	J		0.919	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	1,2,4-Trichlorobenzene	385	UG/KG	U	U		385	1
	1,2-Dichlorobenzene	385	UG/KG	U	U		385	1
	1,3-Dichlorobenzene	385	UG/KG	U	U		385	1
	1,4-Dichlorobenzene	385	UG/KG	U	U		385	1
	2,4,5-Trichlorophenol	385	UG/KG	U	U		385	1
	2,4,6-Trichlorophenol	385	UG/KG	U	U		385	1
	2,4-Dichlorophenol	385	UG/KG	U	U		385	1
	2,4-Dimethylphenol	385	UG/KG	U	U		385	1
	2,4-Dinitrophenol	770	UG/KG	U	U		770	1
	2,4-Dinitrotoluene	385	UG/KG	U	U		385	1
	2,6-Dinitrotoluene	385	UG/KG	U	U		385	1
	2-Chloronaphthalene	38.5	UG/KG	U	U		38.5	1
	2-Chlorophenol	385	UG/KG	U	U		385	1
	2-Methyl-4,6-dinitrophenol	385	UG/KG	U	U		385	1
	2-Methylnaphthalene	38.5	UG/KG	U	U		38.5	1
	2-Methylphenol	385	UG/KG	U	U		385	1
	2-Nitroaniline	385	UG/KG	U	U		385	1
	2-Nitrophenol	385	UG/KG	U	U		385	1
	3,3'-Dichlorobenzidine	385	UG/KG	U	U		385	1
	3-Nitroaniline	385	UG/KG	U	U		385	1
	4-Bromophenyl phenyl ether	385	UG/KG	U	U		385	1
	4-Chloro-3-methylphenol	385	UG/KG	U	U		385	1
	4-Chloroaniline	385	UG/KG	U	U		385	1
	4-Chlorophenyl phenyl ether	385	UG/KG	U	U		385	1
	4-Methylphenol	385	UG/KG	U	U		385	1
	4-Nitroaniline	385	UG/KG	U	U		385	1
	4-Nitrophenol	385	UG/KG	U	U		385	1
	Acenaphthene	38.5	UG/KG	U	U		38.5	1
	Acenaphthylene	38.5	UG/KG	U	U		38.5	1
	Anthracene	38.5	UG/KG	U	U		38.5	1
	Benz(a)anthracene	38.5	UG/KG	U	U		38.5	1
	Benzenemethanol	385	UG/KG	U	U		385	1
	Benzo(a)pyrene	38.5	UG/KG	U	U		38.5	1

Station: 7J-SB-27
Sample ID: 7J12781 Media: Soil Depth: 5.9 - 7.8 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	Benzo(b)fluoranthene	38.5	UG/KG	U	U		38.5	1
	Benzo(ghi)perylene	38.5	UG/KG	U	U		38.5	1
	Benzo(k)fluoranthene	38.5	UG/KG	U	U		38.5	1
	Benzoic acid	770	UG/KG	U	U		770	1
	Bis(2-chloroethoxy)methane	385	UG/KG	U	U		385	1
	Bis(2-chloroethyl) ether	385	UG/KG	U	U		385	1
	Bis(2-chloroisopropyl) ether	385	UG/KG	U	U		385	1
	Bis(2-ethylhexyl)phthalate	192	UG/KG	U	U		192	1
	Butyl benzyl phthalate	385	UG/KG	U	U		385	1
	Carbazole	38.5	UG/KG	U	U		38.5	1
	Chrysene	38.5	UG/KG	U	U		38.5	1
	Di-n-butyl phthalate	385	UG/KG	U	U		385	1
	Di-n-octylphthalate	385	UG/KG	U	U		385	1
	Dibenz(a,h)anthracene	38.5	UG/KG	U	UJ	C05	38.5	1
	Dibenzofuran	385	UG/KG	U	U		385	1
	Diethyl phthalate	385	UG/KG	U	U		385	1
	Dimethyl phthalate	385	UG/KG	U	U		385	1
	Diphenylamine	385	UG/KG	U	U		385	1
	Fluoranthene	38.5	UG/KG	U	U		38.5	1
	Fluorene	38.5	UG/KG	U	U		38.5	1
	Hexachlorobenzene	385	UG/KG	U	U		385	1
	Hexachlorobutadiene	385	UG/KG	U	U		385	1
	Hexachlorocyclopentadiene	385	UG/KG	U	U		385	1
	Hexachloroethane	385	UG/KG	U	U		385	1
	Indeno(1,2,3-cd)pyrene	38.5	UG/KG	U	U		38.5	1
	Isophorone	385	UG/KG	U	U		385	1
	N-Nitroso-di-n-propylamine	385	UG/KG	U	U		385	1
	Naphthalene	38.5	UG/KG	U	U		38.5	1
	Nitrobenzene	385	UG/KG	U	U		385	1
	Pentachlorophenol	385	UG/KG	U	U		385	1
	Phenanthrene	38.5	UG/KG	U	U		38.5	1
	Phenol	385	UG/KG	U	U		385	1
	Pyrene	38.5	UG/KG	U	U		38.5	1

Station: 7J-SB-27
Sample ID: 7J12782 Media: Soil Depth: 8 - 9.8 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201842
SW846 8260	Benzene	0.912	UG/KG	U	U		0.912	1
	Ethylbenzene	0.912	UG/KG	U	U		0.912	1
	Toluene	0.912	UG/KG	U	U		0.912	1
	Xylenes, Total	0.869	UG/KG	J	J		0.912	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	1,2,4-Trichlorobenzene	388	UG/KG	U	U		388	1
	1,2-Dichlorobenzene	388	UG/KG	U	U		388	1
	1,3-Dichlorobenzene	388	UG/KG	U	U		388	1
	1,4-Dichlorobenzene	388	UG/KG	U	U		388	1
	2,4,5-Trichlorophenol	388	UG/KG	U	U		388	1
	2,4,6-Trichlorophenol	388	UG/KG	U	U		388	1
	2,4-Dichlorophenol	388	UG/KG	U	U		388	1
	2,4-Dimethylphenol	388	UG/KG	U	U		388	1
	2,4-Dinitrophenol	777	UG/KG	U	U		777	1

Station: 7J-SB-27
Sample ID: 7J12782 Media: Soil Depth: 8 - 9.8 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	2,4-Dinitrotoluene	388	UG/KG	U	U		388	1
	2,6-Dinitrotoluene	388	UG/KG	U	U		388	1
	2-Chloronaphthalene	38.8	UG/KG	U	U		38.8	1
	2-Chlorophenol	388	UG/KG	U	U		388	1
	2-Methyl-4,6-dinitrophenol	388	UG/KG	U	U		388	1
	2-Methylnaphthalene	38.8	UG/KG	U	U		38.8	1
	2-Methylphenol	388	UG/KG	U	U		388	1
	2-Nitroaniline	388	UG/KG	U	U		388	1
	2-Nitrophenol	388	UG/KG	U	U		388	1
	3,3'-Dichlorobenzidine	388	UG/KG	U	U		388	1
	3-Nitroaniline	388	UG/KG	U	U		388	1
	4-Bromophenyl phenyl ether	388	UG/KG	U	U		388	1
	4-Chloro-3-methylphenol	388	UG/KG	U	U		388	1
	4-Chloroaniline	388	UG/KG	U	U		388	1
	4-Chlorophenyl phenyl ether	388	UG/KG	U	U		388	1
	4-Methylphenol	388	UG/KG	U	U		388	1
	4-Nitroaniline	388	UG/KG	U	U		388	1
	4-Nitrophenol	388	UG/KG	U	U		388	1
	Acenaphthene	38.8	UG/KG	U	U		38.8	1
	Acenaphthylene	38.8	UG/KG	U	U		38.8	1
	Anthracene	38.8	UG/KG	U	U		38.8	1
	Benz(a)anthracene	38.8	UG/KG	U	U		38.8	1
	Benzenemethanol	388	UG/KG	U	U		388	1
	Benzo(a)pyrene	38.8	UG/KG	U	U		38.8	1
	Benzo(b)fluoranthene	38.8	UG/KG	U	U		38.8	1
	Benzo(ghi)perylene	38.8	UG/KG	U	U		38.8	1
	Benzo(k)fluoranthene	38.8	UG/KG	U	U		38.8	1
	Benzoic acid	777	UG/KG	U	U		777	1
	Bis(2-chloroethoxy)methane	388	UG/KG	U	U		388	1
	Bis(2-chloroethyl) ether	388	UG/KG	U	U		388	1
	Bis(2-chloroisopropyl) ether	388	UG/KG	U	U		388	1
	Bis(2-ethylhexyl)phthalate	194	UG/KG	U	U		194	1
	Butyl benzyl phthalate	388	UG/KG	U	U		388	1
	Carbazole	38.8	UG/KG	U	U		38.8	1
	Chrysene	38.8	UG/KG	U	U		38.8	1
	Di-n-butyl phthalate	388	UG/KG	U	U		388	1
	Di-n-octylphthalate	388	UG/KG	U	U		388	1
	Dibenz(a,h)anthracene	38.8	UG/KG	U	UJ	C05	38.8	1
	Dibenzofuran	388	UG/KG	U	U		388	1
	Diethyl phthalate	388	UG/KG	U	U		388	1
	Dimethyl phthalate	388	UG/KG	U	U		388	1
	Diphenylamine	388	UG/KG	U	U		388	1
	Fluoranthene	38.8	UG/KG	U	U		38.8	1
	Fluorene	38.8	UG/KG	U	U		38.8	1
	Hexachlorobenzene	388	UG/KG	U	U		388	1
	Hexachlorobutadiene	388	UG/KG	U	U		388	1
	Hexachlorocyclopentadiene	388	UG/KG	U	U		388	1
	Hexachloroethane	388	UG/KG	U	U		388	1
	Indeno(1,2,3-cd)pyrene	38.8	UG/KG	U	U		38.8	1
	Isophorone	388	UG/KG	U	U		388	1
	N-Nitroso-di-n-propylamine	388	UG/KG	U	U		388	1
	Naphthalene	38.8	UG/KG	U	U		38.8	1
	Nitrobenzene	388	UG/KG	U	U		388	1
	Pentachlorophenol	388	UG/KG	U	U		388	1
	Phenanthrene	38.8	UG/KG	U	U		38.8	1
	Phenol	388	UG/KG	U	U		388	1

Station: 7J-SB-27
Sample ID: 7J12782 Media: Soil Depth: 8 - 9.8 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201842
SW846 8270	Pyrene	38.8	UG/KG	U	U		38.8	1

Station: 7J-SB-28
Sample ID: 7J12851 Media: Soil
Date Collected: 01/29/2008 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201875
	Benzene	1	UG/L	U	U		1	1
SW846 8260	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	0.316	UG/L	J	J		1	1
	Xylenes, Total	0.405	UG/L	J	J		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	1,2,4-Trichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,2-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,3-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,4-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	2,4,5-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4,6-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dimethylphenol	9.62	UG/L	U	U		9.62	1
	2,4-Dinitrophenol	19.2	UG/L	U	U		19.2	1
	2,4-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2,6-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2-Chloronaphthalene	0.962	UG/L	U	U		0.962	1
	2-Chlorophenol	9.62	UG/L	U	U		9.62	1
	2-Methyl-4,6-dinitrophenol	9.62	UG/L	U	U		9.62	1
	2-Methylnaphthalene	0.962	UG/L	U	U		0.962	1
	2-Methylphenol	9.62	UG/L	U	U		9.62	1
	2-Nitroaniline	9.62	UG/L	U	U		9.62	1
	2-Nitrophenol	9.62	UG/L	U	U		9.62	1
	3,3'-Dichlorobenzidine	9.62	UG/L	U	U		9.62	1
	3-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Bromophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Chloro-3-methylphenol	9.62	UG/L	U	U		9.62	1
	4-Chloroaniline	9.62	UG/L	U	U		9.62	1
	4-Chlorophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Methylphenol	9.62	UG/L	U	U		9.62	1
	4-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Nitrophenol	9.62	UG/L	U	U		9.62	1
	Acenaphthene	0.962	UG/L	U	U		0.962	1
	Acenaphthylene	0.962	UG/L	U	U		0.962	1
	Anthracene	0.962	UG/L	U	U		0.962	1
	Benz(a)anthracene	0.962	UG/L	U	U		0.962	1
	Benzenemethanol	9.62	UG/L	U	U		9.62	1
	Benzo(a)pyrene	0.962	UG/L	U	U		0.962	1
	Benzo(b)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzo(ghi)perylene	0.962	UG/L	U	U		0.962	1
	Benzo(k)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzoic acid	19.2	UG/L	U	U		19.2	1
	Bis(2-chloroethoxy)methane	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroethyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroisopropyl) ether	9.62	UG/L	U	U		9.62	1

Station: 7J-SB-28
Sample ID: 7J12851 Media: Soil
Date Collected: 01/29/2008 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	Bis(2-ethylhexyl)phthalate	9.62	UG/L	U	U		9.62	1
	Butyl benzyl phthalate	9.62	UG/L	U	U		9.62	1
	Carbazole	0.962	UG/L	U	U		0.962	1
	Chrysene	0.962	UG/L	U	U		0.962	1
	Di-n-butyl phthalate	9.62	UG/L	U	U		9.62	1
	Di-n-octylphthalate	9.62	UG/L	U	U		9.62	1
	Dibenz(a,h)anthracene	0.962	UG/L	U	U		0.962	1
	Dibenzofuran	9.62	UG/L	U	U		9.62	1
	Diethyl phthalate	3.03	UG/L	J	J		9.62	1
	Dimethyl phthalate	9.62	UG/L	U	U		9.62	1
	Diphenylamine	9.62	UG/L	U	U		9.62	1
	Fluoranthene	0.962	UG/L	U	U		0.962	1
	Fluorene	0.962	UG/L	U	U		0.962	1
	Hexachlorobenzene	9.62	UG/L	U	U		9.62	1
	Hexachlorobutadiene	9.62	UG/L	U	U		9.62	1
	Hexachlorocyclopentadiene	9.62	UG/L	U	U		9.62	1
	Hexachloroethane	9.62	UG/L	U	U		9.62	1
	Indeno(1,2,3-cd)pyrene	0.962	UG/L	U	U		0.962	1
	Isophorone	9.62	UG/L	U	U		9.62	1
	N-Nitroso-di-n-propylamine	9.62	UG/L	U	U		9.62	1
	Naphthalene	0.962	UG/L	U	U		0.962	1
	Nitrobenzene	9.62	UG/L	U	U		9.62	1
	Pentachlorophenol	9.62	UG/L	U	U		9.62	1
	Phenanthrene	0.962	UG/L	U	U		0.962	1
	Phenol	9.62	UG/L	U	U		9.62	1
	Pyrene	0.962	UG/L	U	U		0.962	1

Station: 7J-SB-28
Sample ID: 7J12881 Media: Soil Depth: 1.8 - 3.6 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	0.352	UG/KG	J	J		0.935	1
	Ethylbenzene	0.935	UG/KG	U	U		0.935	1
	Toluene	0.935	UG/KG	U	U		0.935	1
	Xylenes, Total	0.997	UG/KG		=		0.935	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	384	UG/KG	U	U		384	1
	1,2-Dichlorobenzene	384	UG/KG	U	U		384	1
	1,3-Dichlorobenzene	384	UG/KG	U	U		384	1
	1,4-Dichlorobenzene	384	UG/KG	U	U		384	1
	2,4,5-Trichlorophenol	384	UG/KG	U	U		384	1
	2,4,6-Trichlorophenol	384	UG/KG	U	U		384	1
	2,4-Dichlorophenol	384	UG/KG	U	U		384	1
	2,4-Dimethylphenol	384	UG/KG	U	U		384	1
	2,4-Dinitrophenol	769	UG/KG	U	U		769	1
	2,4-Dinitrotoluene	384	UG/KG	U	U		384	1
	2,6-Dinitrotoluene	384	UG/KG	U	U		384	1
	2-Chloronaphthalene	38.4	UG/KG	U	U		38.4	1
	2-Chlorophenol	384	UG/KG	U	U		384	1
	2-Methyl-4,6-dinitrophenol	384	UG/KG	U	U		384	1
	2-Methylnaphthalene	38.4	UG/KG	U	U		38.4	1
	2-Methylphenol	384	UG/KG	U	U		384	1

Station: 7J-SB-28
Sample ID: 7J12881 Media: Soil Depth: 1.8 - 3.6 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	2-Nitroaniline	384	UG/KG	U	U		384	1
	2-Nitrophenol	384	UG/KG	U	U		384	1
	3,3'-Dichlorobenzidine	384	UG/KG	U	U		384	1
	3-Nitroaniline	384	UG/KG	U	U		384	1
	4-Bromophenyl phenyl ether	384	UG/KG	U	U		384	1
	4-Chloro-3-methylphenol	384	UG/KG	U	U		384	1
	4-Chloroaniline	384	UG/KG	U	U		384	1
	4-Chlorophenyl phenyl ether	384	UG/KG	U	U		384	1
	4-Methylphenol	384	UG/KG	U	U		384	1
	4-Nitroaniline	384	UG/KG	U	U		384	1
	4-Nitrophenol	384	UG/KG	U	U		384	1
	Acenaphthene	38.4	UG/KG	U	U		38.4	1
	Acenaphthylene	38.4	UG/KG	U	U		38.4	1
	Anthracene	38.4	UG/KG	U	U		38.4	1
	Benz(a)anthracene	38.4	UG/KG	U	U		38.4	1
	Benzenemethanol	384	UG/KG	U	U		384	1
	Benzo(a)pyrene	38.4	UG/KG	U	U		38.4	1
	Benzo(b)fluoranthene	38.4	UG/KG	U	U		38.4	1
	Benzo(ghi)perylene	38.4	UG/KG	U	U		38.4	1
	Benzo(k)fluoranthene	38.4	UG/KG	U	U		38.4	1
	Benzoic acid	769	UG/KG	U	U		769	1
	Bis(2-chloroethoxy)methane	384	UG/KG	U	U		384	1
	Bis(2-chloroethyl) ether	384	UG/KG	U	U		384	1
	Bis(2-chloroisopropyl) ether	384	UG/KG	U	U		384	1
	Bis(2-ethylhexyl)phthalate	192	UG/KG	U	U		192	1
	Butyl benzyl phthalate	384	UG/KG	U	U		384	1
	Carbazole	38.4	UG/KG	U	U		38.4	1
	Chrysene	38.4	UG/KG	U	U		38.4	1
	Di-n-butyl phthalate	384	UG/KG	U	U		384	1
	Di-n-octylphthalate	384	UG/KG	U	U		384	1
	Dibenz(a,h)anthracene	38.4	UG/KG	U	U		38.4	1
	Dibenzofuran	384	UG/KG	U	U		384	1
	Diethyl phthalate	384	UG/KG	U	U		384	1
	Dimethyl phthalate	384	UG/KG	U	U		384	1
	Diphenylamine	384	UG/KG	U	U		384	1
	Fluoranthene	38.4	UG/KG	U	U		38.4	1
	Fluorene	38.4	UG/KG	U	U		38.4	1
	Hexachlorobenzene	384	UG/KG	U	U		384	1
	Hexachlorobutadiene	384	UG/KG	U	U		384	1
	Hexachlorocyclopentadiene	384	UG/KG	U	U		384	1
	Hexachloroethane	384	UG/KG	U	U		384	1
	Indeno(1,2,3-cd)pyrene	38.4	UG/KG	U	U		38.4	1
	Isophorone	384	UG/KG	U	U		384	1
	N-Nitroso-di-n-propylamine	384	UG/KG	U	U		384	1
	Naphthalene	38.4	UG/KG	U	U		38.4	1
	Nitrobenzene	384	UG/KG	U	U		384	1
	Pentachlorophenol	384	UG/KG	U	U		384	1
	Phenanthrene	38.4	UG/KG	U	U		38.4	1
	Phenol	384	UG/KG	U	U		384	1
	Pyrene	38.4	UG/KG	U	U		38.4	1

Station: 7J-SB-28
Sample ID: 7J12882 Media: Soil Depth: 8 - 9.9 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	5.89	UG/KG		=		0.923	1
	Ethylbenzene	38.5	UG/KG		=		0.923	1
	Toluene	3.35	UG/KG		=		0.923	1
	Xylenes, Total	284	UG/KG		J	G02	95.3	50
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	371	UG/KG	U	U		371	1
	1,2-Dichlorobenzene	371	UG/KG	U	U		371	1
	1,3-Dichlorobenzene	371	UG/KG	U	U		371	1
	1,4-Dichlorobenzene	371	UG/KG	U	U		371	1
	2,4,5-Trichlorophenol	371	UG/KG	U	U		371	1
	2,4,6-Trichlorophenol	371	UG/KG	U	U		371	1
	2,4-Dichlorophenol	371	UG/KG	U	U		371	1
	2,4-Dimethylphenol	371	UG/KG	U	U		371	1
	2,4-Dinitrophenol	741	UG/KG	U	U		741	1
	2,4-Dinitrotoluene	371	UG/KG	U	U		371	1
	2,6-Dinitrotoluene	371	UG/KG	U	U		371	1
	2-Chloronaphthalene	37.1	UG/KG	U	U		37.1	1
	2-Chlorophenol	371	UG/KG	U	U		371	1
	2-Methyl-4,6-dinitrophenol	371	UG/KG	U	U		371	1
	2-Methylnaphthalene	11700	UG/KG		=		371	10
	2-Methylphenol	371	UG/KG	U	U		371	1
	2-Nitroaniline	371	UG/KG	U	U		371	1
	2-Nitrophenol	371	UG/KG	U	U		371	1
	3,3'-Dichlorobenzidine	371	UG/KG	U	U		371	1
	3-Nitroaniline	371	UG/KG	U	U		371	1
	4-Bromophenyl phenyl ether	371	UG/KG	U	U		371	1
	4-Chloro-3-methylphenol	371	UG/KG	U	U		371	1
	4-Chloroaniline	371	UG/KG	U	U		371	1
	4-Chlorophenyl phenyl ether	371	UG/KG	U	U		371	1
	4-Methylphenol	371	UG/KG	U	U		371	1
	4-Nitroaniline	371	UG/KG	U	U		371	1
	4-Nitrophenol	371	UG/KG	U	U		371	1
	Acenaphthene	608	UG/KG		=		37.1	1
	Acenaphthylene	37.1	UG/KG	U	U		37.1	1
	Anthracene	37.1	UG/KG	U	U		37.1	1
	Benz(a)anthracene	37.1	UG/KG	U	U		37.1	1
	Benzenemethanol	371	UG/KG	U	U		371	1
	Benzo(a)pyrene	37.1	UG/KG	U	U		37.1	1
	Benzo(b)fluoranthene	37.1	UG/KG	U	U		37.1	1
	Benzo(ghi)perylene	37.1	UG/KG	U	U		37.1	1
	Benzo(k)fluoranthene	37.1	UG/KG	U	U		37.1	1
	Benzoic acid	741	UG/KG	U	U		741	1
	Bis(2-chloroethoxy)methane	371	UG/KG	U	U		371	1
	Bis(2-chloroethyl) ether	371	UG/KG	U	U		371	1
	Bis(2-chloroisopropyl) ether	371	UG/KG	U	U		371	1
	Bis(2-ethylhexyl)phthalate	185	UG/KG	U	U		185	1
	Butyl benzyl phthalate	371	UG/KG	U	U		371	1
	Carbazole	37.1	UG/KG	U	U		37.1	1
	Chrysene	37.1	UG/KG	U	U		37.1	1
	Di-n-butyl phthalate	371	UG/KG	U	U		371	1
	Di-n-octylphthalate	371	UG/KG	U	U		371	1
	Dibenz(a,h)anthracene	37.1	UG/KG	U	U		37.1	1
	Dibenzofuran	371	UG/KG	U	U		371	1
	Diethyl phthalate	371	UG/KG	U	U		371	1
	Dimethyl phthalate	371	UG/KG	U	U		371	1

Station: 7J-SB-28
Sample ID: 7J12882 Media: Soil Depth: 8 - 9.9 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	Diphenylamine	371	UG/KG	U	U		371	1
	Fluoranthene	37.1	UG/KG	U	U		37.1	1
	Fluorene	987	UG/KG		=		37.1	1
	Hexachlorobenzene	371	UG/KG	U	U		371	1
	Hexachlorobutadiene	371	UG/KG	U	U		371	1
	Hexachlorocyclopentadiene	371	UG/KG	U	U		371	1
	Hexachloroethane	371	UG/KG	U	U		371	1
	Indeno(1,2,3-cd)pyrene	37.1	UG/KG	U	U		37.1	1
	Isophorone	371	UG/KG	U	U		371	1
	N-Nitroso-di-n-propylamine	371	UG/KG	U	U		371	1
	Naphthalene	2370	UG/KG		=		37.1	1
	Nitrobenzene	371	UG/KG	U	U		371	1
	Pentachlorophenol	371	UG/KG	U	U		371	1
	Phenanthrene	2760	UG/KG		=		37.1	1
	Phenol	371	UG/KG	U	U		371	1
	Pyrene	1010	UG/KG		=		37.1	1

Station: 7J-SB-29
Sample ID: 7J12931 Media: Soil Depth: 5.7 - 7.5 FT
Date Collected: 01/29/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	0.972	UG/KG	U	U		0.972	1
	Ethylbenzene	0.972	UG/KG	U	U		0.972	1
	Toluene	0.972	UG/KG	U	U		0.972	1
	Xylenes, Total	0.972	UG/KG	U	U		0.972	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	387	UG/KG	U	U		387	1
	1,2-Dichlorobenzene	387	UG/KG	U	U		387	1
	1,3-Dichlorobenzene	387	UG/KG	U	U		387	1
	1,4-Dichlorobenzene	387	UG/KG	U	U		387	1
	2,4,5-Trichlorophenol	387	UG/KG	U	U		387	1
	2,4,6-Trichlorophenol	387	UG/KG	U	U		387	1
	2,4-Dichlorophenol	387	UG/KG	U	U		387	1
	2,4-Dimethylphenol	387	UG/KG	U	U		387	1
	2,4-Dinitrophenol	774	UG/KG	U	U		774	1
	2,4-Dinitrotoluene	387	UG/KG	U	U		387	1
	2,6-Dinitrotoluene	387	UG/KG	U	U		387	1
	2-Chloronaphthalene	38.7	UG/KG	U	U		38.7	1
	2-Chlorophenol	387	UG/KG	U	U		387	1
	2-Methyl-4,6-dinitrophenol	387	UG/KG	U	U		387	1
	2-Methylnaphthalene	38.7	UG/KG	U	U		38.7	1
	2-Methylphenol	387	UG/KG	U	U		387	1
	2-Nitroaniline	387	UG/KG	U	U		387	1
	2-Nitrophenol	387	UG/KG	U	U		387	1
	3,3'-Dichlorobenzidine	387	UG/KG	U	U		387	1
	3-Nitroaniline	387	UG/KG	U	U		387	1
	4-Bromophenyl phenyl ether	387	UG/KG	U	U		387	1
	4-Chloro-3-methylphenol	387	UG/KG	U	U		387	1
	4-Chloroaniline	387	UG/KG	U	U		387	1
	4-Chlorophenyl phenyl ether	387	UG/KG	U	U		387	1
	4-Methylphenol	387	UG/KG	U	U		387	1

Station: 7J-SB-29
Sample ID: 7J12931 Media: Soil Depth: 5.7 - 7.5 FT
Date Collected: 01/29/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	4-Nitroaniline	387	UG/KG	U	U		387	1
	4-Nitrophenol	387	UG/KG	U	U		387	1
	Acenaphthene	38.7	UG/KG	U	U		38.7	1
	Acenaphthylene	38.7	UG/KG	U	U		38.7	1
	Anthracene	38.7	UG/KG	U	U		38.7	1
	Benz(a)anthracene	38.7	UG/KG	U	U		38.7	1
	Benzenemethanol	387	UG/KG	U	U		387	1
	Benzo(a)pyrene	38.7	UG/KG	U	U		38.7	1
	Benzo(b)fluoranthene	38.7	UG/KG	U	U		38.7	1
	Benzo(ghi)perylene	38.7	UG/KG	U	U		38.7	1
	Benzo(k)fluoranthene	38.7	UG/KG	U	U		38.7	1
	Benzoic acid	774	UG/KG	U	U		774	1
	Bis(2-chloroethoxy)methane	387	UG/KG	U	U		387	1
	Bis(2-chloroethyl) ether	387	UG/KG	U	U		387	1
	Bis(2-chloroisopropyl) ether	387	UG/KG	U	U		387	1
	Bis(2-ethylhexyl)phthalate	193	UG/KG	U	U		193	1
	Butyl benzyl phthalate	387	UG/KG	U	U		387	1
	Carbazole	38.7	UG/KG	U	U		38.7	1
	Chrysene	38.7	UG/KG	U	U		38.7	1
	Di-n-butyl phthalate	387	UG/KG	U	U		387	1
	Di-n-octylphthalate	387	UG/KG	U	U		387	1
	Dibenz(a,h)anthracene	38.7	UG/KG	U	U		38.7	1
	Dibenzofuran	387	UG/KG	U	U		387	1
	Diethyl phthalate	387	UG/KG	U	U		387	1
	Dimethyl phthalate	387	UG/KG	U	U		387	1
	Diphenylamine	387	UG/KG	U	U		387	1
	Fluoranthene	38.7	UG/KG	U	U		38.7	1
	Fluorene	38.7	UG/KG	U	U		38.7	1
	Hexachlorobenzene	387	UG/KG	U	U		387	1
	Hexachlorobutadiene	387	UG/KG	U	U		387	1
	Hexachlorocyclopentadiene	387	UG/KG	U	U		387	1
	Hexachloroethane	387	UG/KG	U	U		387	1
	Indeno(1,2,3-cd)pyrene	38.7	UG/KG	U	U		38.7	1
	Isophorone	387	UG/KG	U	U		387	1
	N-Nitroso-di-n-propylamine	387	UG/KG	U	U		387	1
	Naphthalene	38.7	UG/KG	U	U		38.7	1
	Nitrobenzene	387	UG/KG	U	U		387	1
	Pentachlorophenol	387	UG/KG	U	U		387	1
	Phenanthrene	38.7	UG/KG	U	U		38.7	1
	Phenol	387	UG/KG	U	U		387	1
	Pyrene	38.7	UG/KG	U	U		38.7	1

Station: 7J-SB-29
Sample ID: 7J12981 Media: Soil Depth: 5.7 - 7.5 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	0.902	UG/KG	U	U		0.902	1
	Ethylbenzene	0.902	UG/KG	U	U		0.902	1
	Toluene	0.902	UG/KG	U	U		0.902	1
	Xylenes, Total	0.294	UG/KG	J	J		0.902	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	369	UG/KG	U	U		369	1

Station: 7J-SB-29
Sample ID: 7J12981 Media: Soil Depth: 5.7 - 7.5 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2-Dichlorobenzene	369	UG/KG	U	U		369	1
	1,3-Dichlorobenzene	369	UG/KG	U	U		369	1
	1,4-Dichlorobenzene	369	UG/KG	U	U		369	1
	2,4,5-Trichlorophenol	369	UG/KG	U	U		369	1
	2,4,6-Trichlorophenol	369	UG/KG	U	U		369	1
	2,4-Dichlorophenol	369	UG/KG	U	U		369	1
	2,4-Dimethylphenol	369	UG/KG	U	U		369	1
	2,4-Dinitrophenol	738	UG/KG	U	U		738	1
	2,4-Dinitrotoluene	369	UG/KG	U	U		369	1
	2,6-Dinitrotoluene	369	UG/KG	U	U		369	1
	2-Chloronaphthalene	36.9	UG/KG	U	U		36.9	1
	2-Chlorophenol	369	UG/KG	U	U		369	1
	2-Methyl-4,6-dinitrophenol	369	UG/KG	U	U		369	1
	2-Methylnaphthalene	36.9	UG/KG	U	U		36.9	1
	2-Methylphenol	369	UG/KG	U	U		369	1
	2-Nitroaniline	369	UG/KG	U	U		369	1
	2-Nitrophenol	369	UG/KG	U	U		369	1
	3,3'-Dichlorobenzidine	369	UG/KG	U	U		369	1
	3-Nitroaniline	369	UG/KG	U	U		369	1
	4-Bromophenyl phenyl ether	369	UG/KG	U	U		369	1
	4-Chloro-3-methylphenol	369	UG/KG	U	U		369	1
	4-Chloroaniline	369	UG/KG	U	U		369	1
	4-Chlorophenyl phenyl ether	369	UG/KG	U	U		369	1
	4-Methylphenol	369	UG/KG	U	U		369	1
	4-Nitroaniline	369	UG/KG	U	U		369	1
	4-Nitrophenol	369	UG/KG	U	U		369	1
	Acenaphthene	36.9	UG/KG	U	U		36.9	1
	Acenaphthylene	36.9	UG/KG	U	U		36.9	1
	Anthracene	36.9	UG/KG	U	U		36.9	1
	Benz(a)anthracene	36.9	UG/KG	U	U		36.9	1
	Benzenemethanol	369	UG/KG	U	U		369	1
	Benzo(a)pyrene	36.9	UG/KG	U	U		36.9	1
	Benzo(b)fluoranthene	36.9	UG/KG	U	U		36.9	1
	Benzo(ghi)perylene	36.9	UG/KG	U	U		36.9	1
	Benzo(k)fluoranthene	36.9	UG/KG	U	U		36.9	1
	Benzoic acid	738	UG/KG	U	U		738	1
	Bis(2-chloroethoxy)methane	369	UG/KG	U	U		369	1
	Bis(2-chloroethyl) ether	369	UG/KG	U	U		369	1
	Bis(2-chloroisopropyl) ether	369	UG/KG	U	U		369	1
	Bis(2-ethylhexyl)phthalate	184	UG/KG	U	U		184	1
	Butyl benzyl phthalate	369	UG/KG	U	U		369	1
	Carbazole	36.9	UG/KG	U	U		36.9	1
	Chrysene	36.9	UG/KG	U	U		36.9	1
	Di-n-butyl phthalate	369	UG/KG	U	U		369	1
	Di-n-octylphthalate	369	UG/KG	U	U		369	1
	Dibenz(a,h)anthracene	36.9	UG/KG	U	U		36.9	1
	Dibenzofuran	369	UG/KG	U	U		369	1
	Diethyl phthalate	369	UG/KG	U	U		369	1
	Dimethyl phthalate	369	UG/KG	U	U		369	1
	Diphenylamine	369	UG/KG	U	U		369	1
	Fluoranthene	36.9	UG/KG	U	U		36.9	1
	Fluorene	36.9	UG/KG	U	U		36.9	1
	Hexachlorobenzene	369	UG/KG	U	U		369	1
	Hexachlorobutadiene	369	UG/KG	U	U		369	1
	Hexachlorocyclopentadiene	369	UG/KG	U	U		369	1
	Hexachloroethane	369	UG/KG	U	U		369	1

Station: 7J-SB-29
Sample ID: 7J12981 Media: Soil Depth: 5.7 - 7.5 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	Indeno(1,2,3-cd)pyrene	36.9	UG/KG	U	U		36.9	1
	Isophorone	369	UG/KG	U	U		369	1
	N-Nitroso-di-n-propylamine	369	UG/KG	U	U		369	1
	Naphthalene	36.9	UG/KG	U	U		36.9	1
	Nitrobenzene	369	UG/KG	U	U		369	1
	Pentachlorophenol	369	UG/KG	U	U		369	1
	Phenanthrene	36.9	UG/KG	U	U		36.9	1
	Phenol	369	UG/KG	U	U		369	1
	Pyrene	36.9	UG/KG	U	U		36.9	1

Station: 7J-SB-29
Sample ID: 7J12982 Media: Soil Depth: 8 - 9.2 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	0.985	UG/KG	U	U		0.985	1
	Ethylbenzene	0.985	UG/KG	U	U		0.985	1
	Toluene	0.985	UG/KG	U	U		0.985	1
	Xylenes, Total	0.394	UG/KG	J	J		0.985	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	387	UG/KG	U	U		387	1
	1,2-Dichlorobenzene	387	UG/KG	U	U		387	1
	1,3-Dichlorobenzene	387	UG/KG	U	U		387	1
	1,4-Dichlorobenzene	387	UG/KG	U	U		387	1
	2,4,5-Trichlorophenol	387	UG/KG	U	U		387	1
	2,4,6-Trichlorophenol	387	UG/KG	U	U		387	1
	2,4-Dichlorophenol	387	UG/KG	U	U		387	1
	2,4-Dimethylphenol	387	UG/KG	U	U		387	1
	2,4-Dinitrophenol	773	UG/KG	U	U		773	1
	2,4-Dinitrotoluene	387	UG/KG	U	U		387	1
	2,6-Dinitrotoluene	387	UG/KG	U	U		387	1
	2-Chloronaphthalene	38.7	UG/KG	U	U		38.7	1
	2-Chlorophenol	387	UG/KG	U	U		387	1
	2-Methyl-4,6-dinitrophenol	387	UG/KG	U	U		387	1
	2-Methylnaphthalene	38.7	UG/KG	U	U		38.7	1
	2-Methylphenol	387	UG/KG	U	U		387	1
	2-Nitroaniline	387	UG/KG	U	U		387	1
	2-Nitrophenol	387	UG/KG	U	U		387	1
	3,3'-Dichlorobenzidine	387	UG/KG	U	U		387	1
	3-Nitroaniline	387	UG/KG	U	U		387	1
	4-Bromophenyl phenyl ether	387	UG/KG	U	U		387	1
	4-Chloro-3-methylphenol	387	UG/KG	U	U		387	1
	4-Chloroaniline	387	UG/KG	U	U		387	1
	4-Chlorophenyl phenyl ether	387	UG/KG	U	U		387	1
	4-Methylphenol	387	UG/KG	U	U		387	1
	4-Nitroaniline	387	UG/KG	U	U		387	1
	4-Nitrophenol	387	UG/KG	U	U		387	1
	Acenaphthene	38.7	UG/KG	U	U		38.7	1
	Acenaphthylene	38.7	UG/KG	U	U		38.7	1
	Anthracene	38.7	UG/KG	U	U		38.7	1
	Benz(a)anthracene	38.7	UG/KG	U	U		38.7	1
	Benzenemethanol	387	UG/KG	U	U		387	1
	Benzo(a)pyrene	38.7	UG/KG	U	U		38.7	1

Station: 7J-SB-29
Sample ID: 7J12982 Media: Soil Depth: 8 - 9.2 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	Benzo(b)fluoranthene	38.7	UG/KG	U	U		38.7	1
	Benzo(ghi)perylene	38.7	UG/KG	U	U		38.7	1
	Benzo(k)fluoranthene	38.7	UG/KG	U	U		38.7	1
	Benzoic acid	773	UG/KG	U	U		773	1
	Bis(2-chloroethoxy)methane	387	UG/KG	U	U		387	1
	Bis(2-chloroethyl) ether	387	UG/KG	U	U		387	1
	Bis(2-chloroisopropyl) ether	387	UG/KG	U	U		387	1
	Bis(2-ethylhexyl)phthalate	193	UG/KG	U	U		193	1
	Butyl benzyl phthalate	387	UG/KG	U	U		387	1
	Carbazole	38.7	UG/KG	U	U		38.7	1
	Chrysene	38.7	UG/KG	U	U		38.7	1
	Di-n-butyl phthalate	387	UG/KG	U	U		387	1
	Di-n-octylphthalate	387	UG/KG	U	U		387	1
	Dibenz(a,h)anthracene	38.7	UG/KG	U	U		38.7	1
	Dibenzofuran	387	UG/KG	U	U		387	1
	Diethyl phthalate	387	UG/KG	U	U		387	1
	Dimethyl phthalate	387	UG/KG	U	U		387	1
	Diphenylamine	387	UG/KG	U	U		387	1
	Fluoranthene	38.7	UG/KG	U	U		38.7	1
	Fluorene	38.7	UG/KG	U	U		38.7	1
	Hexachlorobenzene	387	UG/KG	U	U		387	1
	Hexachlorobutadiene	387	UG/KG	U	U		387	1
	Hexachlorocyclopentadiene	387	UG/KG	U	U		387	1
	Hexachloroethane	387	UG/KG	U	U		387	1
	Indeno(1,2,3-cd)pyrene	38.7	UG/KG	U	U		38.7	1
	Isophorone	387	UG/KG	U	U		387	1
	N-Nitroso-di-n-propylamine	387	UG/KG	U	U		387	1
	Naphthalene	38.7	UG/KG	U	U		38.7	1
	Nitrobenzene	387	UG/KG	U	U		387	1
	Pentachlorophenol	387	UG/KG	U	U		387	1
	Phenanthrene	38.7	UG/KG	U	U		38.7	1
	Phenol	387	UG/KG	U	U		387	1
	Pyrene	38.7	UG/KG	U	U		38.7	1

Station: 7J-SB-30
Sample ID: 7J13081 Media: Soil Depth: 1.7 - 3.5 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	1.22	UG/KG	U	U		1.22	1
	Ethylbenzene	0.962	UG/KG	J	J		1.22	1
	Toluene	55.3	UG/KG		=		1.22	1
	Xylenes, Total	0.927	UG/KG	J	J		1.22	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	348	UG/KG	U	U		348	1
	1,2-Dichlorobenzene	348	UG/KG	U	U		348	1
	1,3-Dichlorobenzene	348	UG/KG	U	U		348	1
	1,4-Dichlorobenzene	348	UG/KG	U	U		348	1
	2,4,5-Trichlorophenol	348	UG/KG	U	U		348	1
	2,4,6-Trichlorophenol	348	UG/KG	U	U		348	1
	2,4-Dichlorophenol	348	UG/KG	U	U		348	1
	2,4-Dimethylphenol	348	UG/KG	U	U		348	1

Station: 7J-SB-30
Sample ID: 7J13081 Media: Soil Depth: 1.7 - 3.5 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	2,4-Dinitrophenol	697	UG/KG	U	U		697	1
	2,4-Dinitrotoluene	348	UG/KG	U	U		348	1
	2,6-Dinitrotoluene	348	UG/KG	U	U		348	1
	2-Chloronaphthalene	34.8	UG/KG	U	U		34.8	1
	2-Chlorophenol	348	UG/KG	U	U		348	1
	2-Methyl-4,6-dinitrophenol	348	UG/KG	U	U		348	1
	2-Methylnaphthalene	34.8	UG/KG	U	U		34.8	1
	2-Methylphenol	348	UG/KG	U	U		348	1
	2-Nitroaniline	348	UG/KG	U	U		348	1
	2-Nitrophenol	348	UG/KG	U	U		348	1
	3,3'-Dichlorobenzidine	348	UG/KG	U	U		348	1
	3-Nitroaniline	348	UG/KG	U	U		348	1
	4-Bromophenyl phenyl ether	348	UG/KG	U	U		348	1
	4-Chloro-3-methylphenol	348	UG/KG	U	U		348	1
	4-Chloroaniline	348	UG/KG	U	U		348	1
	4-Chlorophenyl phenyl ether	348	UG/KG	U	U		348	1
	4-Methylphenol	348	UG/KG	U	U		348	1
	4-Nitroaniline	348	UG/KG	U	U		348	1
	4-Nitrophenol	348	UG/KG	U	U		348	1
	Acenaphthene	34.8	UG/KG	U	U		34.8	1
	Acenaphthylene	34.8	UG/KG	U	U		34.8	1
	Anthracene	34.8	UG/KG	U	U		34.8	1
	Benz(a)anthracene	34.8	UG/KG	U	U		34.8	1
	Benzenemethanol	348	UG/KG	U	U		348	1
	Benzo(a)pyrene	34.8	UG/KG	U	U		34.8	1
	Benzo(b)fluoranthene	34.8	UG/KG	U	U		34.8	1
	Benzo(ghi)perylene	34.8	UG/KG	U	U		34.8	1
	Benzo(k)fluoranthene	34.8	UG/KG	U	U		34.8	1
	Benzoic acid	697	UG/KG	U	U		697	1
	Bis(2-chloroethoxy)methane	348	UG/KG	U	U		348	1
	Bis(2-chloroethyl) ether	348	UG/KG	U	U		348	1
	Bis(2-chloroisopropyl) ether	348	UG/KG	U	U		348	1
	Bis(2-ethylhexyl)phthalate	174	UG/KG	U	U		174	1
	Butyl benzyl phthalate	348	UG/KG	U	U		348	1
	Carbazole	34.8	UG/KG	U	U		34.8	1
	Chrysene	34.8	UG/KG	U	U		34.8	1
	Di-n-butyl phthalate	348	UG/KG	U	U		348	1
	Di-n-octylphthalate	348	UG/KG	U	U		348	1
	Dibenz(a,h)anthracene	34.8	UG/KG	U	U		34.8	1
	Dibenzofuran	348	UG/KG	U	U		348	1
	Diethyl phthalate	348	UG/KG	U	U		348	1
	Dimethyl phthalate	348	UG/KG	U	U		348	1
	Diphenylamine	348	UG/KG	U	U		348	1
	Fluoranthene	34.8	UG/KG	U	U		34.8	1
	Fluorene	34.8	UG/KG	U	U		34.8	1
	Hexachlorobenzene	348	UG/KG	U	U		348	1
	Hexachlorobutadiene	348	UG/KG	U	U		348	1
	Hexachlorocyclopentadiene	348	UG/KG	U	U		348	1
	Hexachloroethane	348	UG/KG	U	U		348	1
	Indeno(1,2,3-cd)pyrene	34.8	UG/KG	U	U		34.8	1
	Isophorone	348	UG/KG	U	U		348	1
	N-Nitroso-di-n-propylamine	348	UG/KG	U	U		348	1
	Naphthalene	34.8	UG/KG	U	U		34.8	1
	Nitrobenzene	348	UG/KG	U	U		348	1
	Pentachlorophenol	348	UG/KG	U	U		348	1
	Phenanthrene	34.8	UG/KG	U	U		34.8	1

Station: 7J-SB-30
Sample ID: 7J13081 Media: Soil Depth: 1.7 - 3.5 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	Phenol	348	UG/KG	U	U		348	1
	Pyrene	34.8	UG/KG	U	U		34.8	1

Station: 7J-SB-30
Sample ID: 7J13082 Media: Soil Depth: 8 - 9.4 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	0.973	UG/KG	U	U		0.973	1
	Ethylbenzene	0.973	UG/KG	U	U		0.973	1
	Toluene	0.287	UG/KG	J	J		0.973	1
	Xylenes, Total	0.463	UG/KG	J	J		0.973	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	386	UG/KG	U	U		386	1
	1,2-Dichlorobenzene	386	UG/KG	U	U		386	1
	1,3-Dichlorobenzene	386	UG/KG	U	U		386	1
	1,4-Dichlorobenzene	386	UG/KG	U	U		386	1
	2,4,5-Trichlorophenol	386	UG/KG	U	U		386	1
	2,4,6-Trichlorophenol	386	UG/KG	U	U		386	1
	2,4-Dichlorophenol	386	UG/KG	U	U		386	1
	2,4-Dimethylphenol	386	UG/KG	U	U		386	1
	2,4-Dinitrophenol	771	UG/KG	U	U		771	1
	2,4-Dinitrotoluene	386	UG/KG	U	U		386	1
	2,6-Dinitrotoluene	386	UG/KG	U	U		386	1
	2-Chloronaphthalene	38.6	UG/KG	U	U		38.6	1
	2-Chlorophenol	386	UG/KG	U	U		386	1
	2-Methyl-4,6-dinitrophenol	386	UG/KG	U	U		386	1
	2-Methylnaphthalene	38.6	UG/KG	U	U		38.6	1
	2-Methylphenol	386	UG/KG	U	U		386	1
	2-Nitroaniline	386	UG/KG	U	U		386	1
	2-Nitrophenol	386	UG/KG	U	U		386	1
	3,3'-Dichlorobenzidine	386	UG/KG	U	U		386	1
	3-Nitroaniline	386	UG/KG	U	U		386	1
	4-Bromophenyl phenyl ether	386	UG/KG	U	U		386	1
	4-Chloro-3-methylphenol	386	UG/KG	U	U		386	1
	4-Chloroaniline	386	UG/KG	U	U		386	1
	4-Chlorophenyl phenyl ether	386	UG/KG	U	U		386	1
	4-Methylphenol	386	UG/KG	U	U		386	1
	4-Nitroaniline	386	UG/KG	U	U		386	1
	4-Nitrophenol	386	UG/KG	U	U		386	1
	Acenaphthene	38.6	UG/KG	U	U		38.6	1
	Acenaphthylene	38.6	UG/KG	U	U		38.6	1
	Anthracene	38.6	UG/KG	U	U		38.6	1
	Benz(a)anthracene	38.6	UG/KG	U	U		38.6	1
	Benzenemethanol	386	UG/KG	U	U		386	1
	Benzo(a)pyrene	38.6	UG/KG	U	U		38.6	1
	Benzo(b)fluoranthene	38.6	UG/KG	U	U		38.6	1
	Benzo(ghi)perylene	38.6	UG/KG	U	U		38.6	1
	Benzo(k)fluoranthene	38.6	UG/KG	U	U		38.6	1
	Benzoic acid	771	UG/KG	U	U		771	1
	Bis(2-chloroethoxy)methane	386	UG/KG	U	U		386	1
	Bis(2-chloroethyl) ether	386	UG/KG	U	U		386	1
	Bis(2-chloroisopropyl) ether	386	UG/KG	U	U		386	1

Station: 7J-SB-30
Sample ID: 7J13082 Media: Soil Depth: 8 - 9.4 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	Bis(2-ethylhexyl)phthalate	193	UG/KG	U	U		193	1
	Butyl benzyl phthalate	386	UG/KG	U	U		386	1
	Carbazole	38.6	UG/KG	U	U		38.6	1
	Chrysene	38.6	UG/KG	U	U		38.6	1
	Di-n-butyl phthalate	386	UG/KG	U	U		386	1
	Di-n-octylphthalate	386	UG/KG	U	U		386	1
	Dibenz(a,h)anthracene	38.6	UG/KG	U	U		38.6	1
	Dibenzofuran	386	UG/KG	U	U		386	1
	Diethyl phthalate	386	UG/KG	U	U		386	1
	Dimethyl phthalate	386	UG/KG	U	U		386	1
	Diphenylamine	386	UG/KG	U	U		386	1
	Fluoranthene	38.6	UG/KG	U	U		38.6	1
	Fluorene	38.6	UG/KG	U	U		38.6	1
	Hexachlorobenzene	386	UG/KG	U	U		386	1
	Hexachlorobutadiene	386	UG/KG	U	U		386	1
	Hexachlorocyclopentadiene	386	UG/KG	U	U		386	1
	Hexachloroethane	386	UG/KG	U	U		386	1
	Indeno(1,2,3-cd)pyrene	38.6	UG/KG	U	U		38.6	1
	Isophorone	386	UG/KG	U	U		386	1
	N-Nitroso-di-n-propylamine	386	UG/KG	U	U		386	1
	Naphthalene	38.6	UG/KG	U	U		38.6	1
	Nitrobenzene	386	UG/KG	U	U		386	1
	Pentachlorophenol	386	UG/KG	U	U		386	1
	Phenanthrene	38.6	UG/KG	U	U		38.6	1
	Phenol	386	UG/KG	U	U		386	1
	Pyrene	38.6	UG/KG	U	U		38.6	1

Station: 7J-SB-31
Sample ID: 7J13181 Media: Soil Depth: 2.1 - 3.4 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	1.09	UG/KG	U	U		1.09	1
	Ethylbenzene	0.406	UG/KG	J	J		1.09	1
	Toluene	1.09	UG/KG	U	U		1.09	1
	Xylenes, Total	0.354	UG/KG	J	J		1.09	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	345	UG/KG	U	U		345	1
	1,2-Dichlorobenzene	345	UG/KG	U	U		345	1
	1,3-Dichlorobenzene	345	UG/KG	U	U		345	1
	1,4-Dichlorobenzene	345	UG/KG	U	U		345	1
	2,4,5-Trichlorophenol	345	UG/KG	U	U		345	1
	2,4,6-Trichlorophenol	345	UG/KG	U	U		345	1
	2,4-Dichlorophenol	345	UG/KG	U	U		345	1
	2,4-Dimethylphenol	345	UG/KG	U	U		345	1
	2,4-Dinitrophenol	691	UG/KG	U	U		691	1
	2,4-Dinitrotoluene	345	UG/KG	U	U		345	1
	2,6-Dinitrotoluene	345	UG/KG	U	U		345	1
	2-Chloronaphthalene	34.5	UG/KG	U	U		34.5	1
	2-Chlorophenol	345	UG/KG	U	U		345	1
	2-Methyl-4,6-dinitrophenol	345	UG/KG	U	U		345	1
	2-Methylnaphthalene	34.5	UG/KG	U	U		34.5	1

Station: 7J-SB-31
Sample ID: 7J13181 Media: Soil Depth: 2.1 - 3.4 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	2-Methylphenol	345	UG/KG	U	U		345	1
	2-Nitroaniline	345	UG/KG	U	U		345	1
	2-Nitrophenol	345	UG/KG	U	U		345	1
	3,3'-Dichlorobenzidine	345	UG/KG	U	U		345	1
	3-Nitroaniline	345	UG/KG	U	U		345	1
	4-Bromophenyl phenyl ether	345	UG/KG	U	U		345	1
	4-Chloro-3-methylphenol	345	UG/KG	U	U		345	1
	4-Chloroaniline	345	UG/KG	U	U		345	1
	4-Chlorophenyl phenyl ether	345	UG/KG	U	U		345	1
	4-Methylphenol	345	UG/KG	U	U		345	1
	4-Nitroaniline	345	UG/KG	U	U		345	1
	4-Nitrophenol	345	UG/KG	U	U		345	1
	Acenaphthene	34.5	UG/KG	U	U		34.5	1
	Acenaphthylene	34.5	UG/KG	U	U		34.5	1
	Anthracene	34.5	UG/KG	U	U		34.5	1
	Benz(a)anthracene	34.5	UG/KG	U	U		34.5	1
	Benzenemethanol	345	UG/KG	U	U		345	1
	Benzo(a)pyrene	34.5	UG/KG	U	U		34.5	1
	Benzo(b)fluoranthene	34.5	UG/KG	U	U		34.5	1
	Benzo(ghi)perylene	34.5	UG/KG	U	U		34.5	1
	Benzo(k)fluoranthene	34.5	UG/KG	U	U		34.5	1
	Benzoic acid	691	UG/KG	U	U		691	1
	Bis(2-chloroethoxy)methane	345	UG/KG	U	U		345	1
	Bis(2-chloroethyl) ether	345	UG/KG	U	U		345	1
	Bis(2-chloroisopropyl) ether	345	UG/KG	U	U		345	1
	Bis(2-ethylhexyl)phthalate	173	UG/KG	U	U		173	1
	Butyl benzyl phthalate	345	UG/KG	U	U		345	1
	Carbazole	34.5	UG/KG	U	U		34.5	1
	Chrysene	34.5	UG/KG	U	U		34.5	1
	Di-n-butyl phthalate	345	UG/KG	U	U		345	1
	Di-n-octylphthalate	345	UG/KG	U	U		345	1
	Dibenz(a,h)anthracene	34.5	UG/KG	U	U		34.5	1
	Dibenzofuran	345	UG/KG	U	U		345	1
	Diethyl phthalate	345	UG/KG	U	U		345	1
	Dimethyl phthalate	345	UG/KG	U	U		345	1
	Diphenylamine	345	UG/KG	U	U		345	1
	Fluoranthene	34.5	UG/KG	U	U		34.5	1
	Fluorene	34.5	UG/KG	U	U		34.5	1
	Hexachlorobenzene	345	UG/KG	U	U		345	1
	Hexachlorobutadiene	345	UG/KG	U	U		345	1
	Hexachlorocyclopentadiene	345	UG/KG	U	U		345	1
	Hexachloroethane	345	UG/KG	U	U		345	1
	Indeno(1,2,3-cd)pyrene	34.5	UG/KG	U	U		34.5	1
	Isophorone	345	UG/KG	U	U		345	1
	N-Nitroso-di-n-propylamine	345	UG/KG	U	U		345	1
	Naphthalene	34.5	UG/KG	U	U		34.5	1
	Nitrobenzene	345	UG/KG	U	U		345	1
	Pentachlorophenol	345	UG/KG	U	U		345	1
	Phenanthrene	34.5	UG/KG	U	U		34.5	1
	Phenol	345	UG/KG	U	U		345	1
	Pyrene	34.5	UG/KG	U	U		34.5	1

Station: 7J-SB-31
Sample ID: 7J13182 Media: Soil Depth: 5.6 - 7.2 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Validation Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	1.35	UG/KG		=		0.993	1
	Ethylbenzene	0.303	UG/KG	J	J		0.993	1
	Toluene	0.993	UG/KG	U	U		0.993	1
	Xylenes, Total	2.04	UG/KG		=		0.993	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	403	UG/KG	U	U		403	1
	1,2-Dichlorobenzene	403	UG/KG	U	U		403	1
	1,3-Dichlorobenzene	403	UG/KG	U	U		403	1
	1,4-Dichlorobenzene	403	UG/KG	U	U		403	1
	2,4,5-Trichlorophenol	403	UG/KG	U	U		403	1
	2,4,6-Trichlorophenol	403	UG/KG	U	U		403	1
	2,4-Dichlorophenol	403	UG/KG	U	U		403	1
	2,4-Dimethylphenol	403	UG/KG	U	U		403	1
	2,4-Dinitrophenol	806	UG/KG	U	U		806	1
	2,4-Dinitrotoluene	403	UG/KG	U	U		403	1
	2,6-Dinitrotoluene	403	UG/KG	U	U		403	1
	2-Chloronaphthalene	40.3	UG/KG	U	U		40.3	1
	2-Chlorophenol	403	UG/KG	U	U		403	1
	2-Methyl-4,6-dinitrophenol	403	UG/KG	U	U		403	1
	2-Methylnaphthalene	9.79	UG/KG	J	J		40.3	1
	2-Methylphenol	403	UG/KG	U	U		403	1
	2-Nitroaniline	403	UG/KG	U	U		403	1
	2-Nitrophenol	403	UG/KG	U	U		403	1
	3,3'-Dichlorobenzidine	403	UG/KG	U	U		403	1
	3-Nitroaniline	403	UG/KG	U	U		403	1
	4-Bromophenyl phenyl ether	403	UG/KG	U	U		403	1
	4-Chloro-3-methylphenol	403	UG/KG	U	U		403	1
	4-Chloroaniline	403	UG/KG	U	U		403	1
	4-Chlorophenyl phenyl ether	403	UG/KG	U	U		403	1
	4-Methylphenol	403	UG/KG	U	U		403	1
	4-Nitroaniline	403	UG/KG	U	U		403	1
	4-Nitrophenol	403	UG/KG	U	U		403	1
	Acenaphthene	40.3	UG/KG	U	U		40.3	1
	Acenaphthylene	40.3	UG/KG	U	U		40.3	1
	Anthracene	40.3	UG/KG	U	U		40.3	1
	Benz(a)anthracene	40.3	UG/KG	U	U		40.3	1
	Benzenemethanol	403	UG/KG	U	U		403	1
	Benzo(a)pyrene	40.3	UG/KG	U	U		40.3	1
	Benzo(b)fluoranthene	40.3	UG/KG	U	U		40.3	1
	Benzo(ghi)perylene	40.3	UG/KG	U	U		40.3	1
	Benzo(k)fluoranthene	40.3	UG/KG	U	U		40.3	1
	Benzoic acid	806	UG/KG	U	U		806	1
	Bis(2-chloroethoxy)methane	403	UG/KG	U	U		403	1
	Bis(2-chloroethyl) ether	403	UG/KG	U	U		403	1
	Bis(2-chloroisopropyl) ether	403	UG/KG	U	U		403	1
	Bis(2-ethylhexyl)phthalate	201	UG/KG	U	U		201	1
	Butyl benzyl phthalate	403	UG/KG	U	U		403	1
	Carbazole	40.3	UG/KG	U	U		40.3	1
	Chrysene	40.3	UG/KG	U	U		40.3	1
	Di-n-butyl phthalate	403	UG/KG	U	U		403	1
	Di-n-octylphthalate	403	UG/KG	U	U		403	1
	Dibenz(a,h)anthracene	40.3	UG/KG	U	U		40.3	1
	Dibenzofuran	403	UG/KG	U	U		403	1
	Diethyl phthalate	403	UG/KG	U	U		403	1
	Dimethyl phthalate	403	UG/KG	U	U		403	1

Station: 7J-SB-31
Sample ID: 7J13182 Media: Soil Depth: 5.6 - 7.2 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	Diphenylamine	403	UG/KG	U	U		403	1
	Fluoranthene	40.3	UG/KG	U	U		40.3	1
	Fluorene	40.3	UG/KG	U	U		40.3	1
	Hexachlorobenzene	403	UG/KG	U	U		403	1
	Hexachlorobutadiene	403	UG/KG	U	U		403	1
	Hexachlorocyclopentadiene	403	UG/KG	U	U		403	1
	Hexachloroethane	403	UG/KG	U	U		403	1
	Indeno(1,2,3-cd)pyrene	40.3	UG/KG	U	U		40.3	1
	Isophorone	403	UG/KG	U	U		403	1
	N-Nitroso-di-n-propylamine	403	UG/KG	U	U		403	1
	Naphthalene	40.3	UG/KG	U	U		40.3	1
	Nitrobenzene	403	UG/KG	U	U		403	1
	Pentachlorophenol	403	UG/KG	U	U		403	1
	Phenanthrene	40.3	UG/KG	U	U		40.3	1
	Phenol	403	UG/KG	U	U		403	1
	Pyrene	40.3	UG/KG	U	U		40.3	1

Station: 7J-SB-32
Sample ID: 7J13281 Media: Soil Depth: 2.1 - 3.6 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	0.938	UG/KG	U	U		0.938	1
	Ethylbenzene	0.261	UG/KG	J	J		0.938	1
	Toluene	0.938	UG/KG	U	U		0.938	1
	Xylenes, Total	0.862	UG/KG	J	J		0.938	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	354	UG/KG	U	U		354	1
	1,2-Dichlorobenzene	354	UG/KG	U	U		354	1
	1,3-Dichlorobenzene	354	UG/KG	U	U		354	1
	1,4-Dichlorobenzene	354	UG/KG	U	U		354	1
	2,4,5-Trichlorophenol	354	UG/KG	U	U		354	1
	2,4,6-Trichlorophenol	354	UG/KG	U	U		354	1
	2,4-Dichlorophenol	354	UG/KG	U	U		354	1
	2,4-Dimethylphenol	354	UG/KG	U	U		354	1
	2,4-Dinitrophenol	707	UG/KG	U	U		707	1
	2,4-Dinitrotoluene	354	UG/KG	U	U		354	1
	2,6-Dinitrotoluene	354	UG/KG	U	U		354	1
	2-Chloronaphthalene	35.4	UG/KG	U	U		35.4	1
	2-Chlorophenol	354	UG/KG	U	U		354	1
	2-Methyl-4,6-dinitrophenol	354	UG/KG	U	U		354	1
	2-Methylnaphthalene	35.4	UG/KG	U	U		35.4	1
	2-Methylphenol	354	UG/KG	U	U		354	1
	2-Nitroaniline	354	UG/KG	U	U		354	1
	2-Nitrophenol	354	UG/KG	U	U		354	1
	3,3'-Dichlorobenzidine	354	UG/KG	U	U		354	1
	3-Nitroaniline	354	UG/KG	U	U		354	1
	4-Bromophenyl phenyl ether	354	UG/KG	U	U		354	1
	4-Chloro-3-methylphenol	354	UG/KG	U	U		354	1
	4-Chloroaniline	354	UG/KG	U	U		354	1
	4-Chlorophenyl phenyl ether	354	UG/KG	U	U		354	1
	4-Methylphenol	354	UG/KG	U	U		354	1

Station: 7J-SB-32
Sample ID: 7J13281 Media: Soil Depth: 2.1 - 3.6 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	4-Nitroaniline	354	UG/KG	U	U		354	1
	4-Nitrophenol	354	UG/KG	U	U		354	1
	Acenaphthene	35.4	UG/KG	U	U		35.4	1
	Acenaphthylene	35.4	UG/KG	U	U		35.4	1
	Anthracene	35.4	UG/KG	U	U		35.4	1
	Benz(a)anthracene	23.6	UG/KG	J	J		35.4	1
	Benzenemethanol	354	UG/KG	U	U		354	1
	Benzo(a)pyrene	17.3	UG/KG	J	J		35.4	1
	Benzo(b)fluoranthene	35.1	UG/KG	J	J		35.4	1
	Benzo(ghi)perylene	18.2	UG/KG	J	J		35.4	1
	Benzo(k)fluoranthene	35.4	UG/KG	U	U		35.4	1
	Benzoic acid	707	UG/KG	U	U		707	1
	Bis(2-chloroethoxy)methane	354	UG/KG	U	U		354	1
	Bis(2-chloroethyl) ether	354	UG/KG	U	U		354	1
	Bis(2-chloroisopropyl) ether	354	UG/KG	U	U		354	1
	Bis(2-ethylhexyl)phthalate	177	UG/KG	U	U		177	1
	Butyl benzyl phthalate	354	UG/KG	U	U		354	1
	Carbazole	35.4	UG/KG	U	U		35.4	1
	Chrysene	18.4	UG/KG	J	J		35.4	1
	Di-n-butyl phthalate	354	UG/KG	U	U		354	1
	Di-n-octylphthalate	354	UG/KG	U	U		354	1
	Dibenz(a,h)anthracene	35.4	UG/KG	U	U		35.4	1
	Dibenzofuran	354	UG/KG	U	U		354	1
	Diethyl phthalate	354	UG/KG	U	U		354	1
	Dimethyl phthalate	354	UG/KG	U	U		354	1
	Diphenylamine	354	UG/KG	U	U		354	1
	Fluoranthene	35.4	UG/KG	U	U		35.4	1
	Fluorene	35.4	UG/KG	U	U		35.4	1
	Hexachlorobenzene	354	UG/KG	U	U		354	1
	Hexachlorobutadiene	354	UG/KG	U	U		354	1
	Hexachlorocyclopentadiene	354	UG/KG	U	U		354	1
	Hexachloroethane	354	UG/KG	U	U		354	1
	Indeno(1,2,3-cd)pyrene	16.6	UG/KG	J	J		35.4	1
	Isophorone	354	UG/KG	U	U		354	1
	N-Nitroso-di-n-propylamine	354	UG/KG	U	U		354	1
	Naphthalene	35.4	UG/KG	U	U		35.4	1
	Nitrobenzene	354	UG/KG	U	U		354	1
	Pentachlorophenol	354	UG/KG	U	U		354	1
	Phenanthrene	35.4	UG/KG	U	U		35.4	1
	Phenol	354	UG/KG	U	U		354	1
	Pyrene	23.2	UG/KG	J	J		35.4	1

Station: 7J-SB-32
Sample ID: 7J13282 Media: Soil Depth: 5.8 - 7.7 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	0.969	UG/KG	U	U		0.969	1
	Ethylbenzene	0.439	UG/KG	J	J		0.969	1
	Toluene	0.969	UG/KG	U	U		0.969	1
	Xylenes, Total	1.23	UG/KG		=		0.969	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	382	UG/KG	U	U		382	1

Station: 7J-SB-32
Sample ID: 7J13282 Media: Soil Depth: 5.8 - 7.7 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Validation Qual	Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2-Dichlorobenzene	382	UG/KG	U	U		382	1
	1,3-Dichlorobenzene	382	UG/KG	U	U		382	1
	1,4-Dichlorobenzene	382	UG/KG	U	U		382	1
	2,4,5-Trichlorophenol	382	UG/KG	U	U		382	1
	2,4,6-Trichlorophenol	382	UG/KG	U	U		382	1
	2,4-Dichlorophenol	382	UG/KG	U	U		382	1
	2,4-Dimethylphenol	382	UG/KG	U	U		382	1
	2,4-Dinitrophenol	764	UG/KG	U	U		764	1
	2,4-Dinitrotoluene	382	UG/KG	U	U		382	1
	2,6-Dinitrotoluene	382	UG/KG	U	U		382	1
	2-Chloronaphthalene	38.2	UG/KG	U	U		38.2	1
	2-Chlorophenol	382	UG/KG	U	U		382	1
	2-Methyl-4,6-dinitrophenol	382	UG/KG	U	U		382	1
	2-Methylnaphthalene	508	UG/KG		=		38.2	1
	2-Methylphenol	382	UG/KG	U	U		382	1
	2-Nitroaniline	382	UG/KG	U	U		382	1
	2-Nitrophenol	382	UG/KG	U	U		382	1
	3,3'-Dichlorobenzidine	382	UG/KG	U	U		382	1
	3-Nitroaniline	382	UG/KG	U	U		382	1
	4-Bromophenyl phenyl ether	382	UG/KG	U	U		382	1
	4-Chloro-3-methylphenol	382	UG/KG	U	U		382	1
	4-Chloroaniline	382	UG/KG	U	U		382	1
	4-Chlorophenyl phenyl ether	382	UG/KG	U	U		382	1
	4-Methylphenol	382	UG/KG	U	U		382	1
	4-Nitroaniline	382	UG/KG	U	U		382	1
	4-Nitrophenol	382	UG/KG	U	U		382	1
	Acenaphthene	38.2	UG/KG	U	U		38.2	1
	Acenaphthylene	38.2	UG/KG	U	U		38.2	1
	Anthracene	38.2	UG/KG	U	U		38.2	1
	Benz(a)anthracene	38.2	UG/KG	U	U		38.2	1
	Benzenemethanol	382	UG/KG	U	U		382	1
	Benzo(a)pyrene	38.2	UG/KG	U	U		38.2	1
	Benzo(b)fluoranthene	38.2	UG/KG	U	U		38.2	1
	Benzo(ghi)perylene	38.2	UG/KG	U	U		38.2	1
	Benzo(k)fluoranthene	38.2	UG/KG	U	U		38.2	1
	Benzoic acid	764	UG/KG	U	U		764	1
	Bis(2-chloroethoxy)methane	382	UG/KG	U	U		382	1
	Bis(2-chloroethyl) ether	382	UG/KG	U	U		382	1
	Bis(2-chloroisopropyl) ether	382	UG/KG	U	U		382	1
	Bis(2-ethylhexyl)phthalate	191	UG/KG	U	U		191	1
	Butyl benzyl phthalate	382	UG/KG	U	U		382	1
	Carbazole	38.2	UG/KG	U	U		38.2	1
	Chrysene	38.2	UG/KG	U	U		38.2	1
	Di-n-butyl phthalate	382	UG/KG	U	U		382	1
	Di-n-octylphthalate	382	UG/KG	U	U		382	1
	Dibenz(a,h)anthracene	38.2	UG/KG	U	U		38.2	1
	Dibenzofuran	382	UG/KG	U	U		382	1
	Diethyl phthalate	382	UG/KG	U	U		382	1
	Dimethyl phthalate	382	UG/KG	U	U		382	1
	Diphenylamine	382	UG/KG	U	U		382	1
	Fluoranthene	30.3	UG/KG	J	J		38.2	1
	Fluorene	38.2	UG/KG	U	U		38.2	1
	Hexachlorobenzene	382	UG/KG	U	U		382	1
	Hexachlorobutadiene	382	UG/KG	U	U		382	1
	Hexachlorocyclopentadiene	382	UG/KG	U	U		382	1
	Hexachloroethane	382	UG/KG	U	U		382	1

Station: 7J-SB-32
Sample ID: 7J13282 Media: Soil Depth: 5.8 - 7.7 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	Indeno(1,2,3-cd)pyrene	38.2	UG/KG	U	U		38.2	1
	Isophorone	382	UG/KG	U	U		382	1
	N-Nitroso-di-n-propylamine	382	UG/KG	U	U		382	1
	Naphthalene	38.2	UG/KG	U	U		38.2	1
	Nitrobenzene	382	UG/KG	U	U		382	1
	Pentachlorophenol	382	UG/KG	U	U		382	1
	Phenanthrene	216	UG/KG		=		38.2	1
	Phenol	382	UG/KG	U	U		382	1
	Pyrene	57.9	UG/KG		=		38.2	1

Station: 7J-SB-33
Sample ID: 7J13381 Media: Soil Depth: 2.2 - 3.8 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	1.02	UG/KG		=		0.955	1
	Ethylbenzene	1.49	UG/KG		=		0.955	1
	Toluene	0.328	UG/KG	J	J		0.955	1
	Xylenes, Total	1.85	UG/KG		=		0.955	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	357	UG/KG	U	U		357	1
	1,2-Dichlorobenzene	357	UG/KG	U	U		357	1
	1,3-Dichlorobenzene	357	UG/KG	U	U		357	1
	1,4-Dichlorobenzene	357	UG/KG	U	U		357	1
	2,4,5-Trichlorophenol	357	UG/KG	U	U		357	1
	2,4,6-Trichlorophenol	357	UG/KG	U	U		357	1
	2,4-Dichlorophenol	357	UG/KG	U	U		357	1
	2,4-Dimethylphenol	357	UG/KG	U	U		357	1
	2,4-Dinitrophenol	715	UG/KG	U	U		715	1
	2,4-Dinitrotoluene	357	UG/KG	U	U		357	1
	2,6-Dinitrotoluene	357	UG/KG	U	U		357	1
	2-Chloronaphthalene	35.7	UG/KG	U	U		35.7	1
	2-Chlorophenol	357	UG/KG	U	U		357	1
	2-Methyl-4,6-dinitrophenol	357	UG/KG	U	U		357	1
	2-Methylnaphthalene	9.03	UG/KG	J	J		35.7	1
	2-Methylphenol	357	UG/KG	U	U		357	1
	2-Nitroaniline	357	UG/KG	U	U		357	1
	2-Nitrophenol	357	UG/KG	U	U		357	1
	3,3'-Dichlorobenzidine	357	UG/KG	U	U		357	1
	3-Nitroaniline	357	UG/KG	U	U		357	1
	4-Bromophenyl phenyl ether	357	UG/KG	U	U		357	1
	4-Chloro-3-methylphenol	357	UG/KG	U	U		357	1
	4-Chloroaniline	357	UG/KG	U	U		357	1
	4-Chlorophenyl phenyl ether	357	UG/KG	U	U		357	1
	4-Methylphenol	357	UG/KG	U	U		357	1
	4-Nitroaniline	357	UG/KG	U	U		357	1
	4-Nitrophenol	357	UG/KG	U	U		357	1
	Acenaphthene	35.7	UG/KG	U	U		35.7	1
	Acenaphthylene	35.7	UG/KG	U	U		35.7	1
	Anthracene	35.7	UG/KG	U	U		35.7	1
	Benz(a)anthracene	24	UG/KG	J	J		35.7	1
	Benzenemethanol	357	UG/KG	U	U		357	1

Station: 7J-SB-33
Sample ID: 7J13381 Media: Soil Depth: 2.2 - 3.8 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	Benzo(a)pyrene	20.3	UG/KG	J	J		35.7	1
	Benzo(b)fluoranthene	30.4	UG/KG	J	J		35.7	1
	Benzo(ghi)perylene	18.9	UG/KG	J	J		35.7	1
	Benzo(k)fluoranthene	35.7	UG/KG	U	U		35.7	1
	Benzoic acid	715	UG/KG	U	U		715	1
	Bis(2-chloroethoxy)methane	357	UG/KG	U	U		357	1
	Bis(2-chloroethyl) ether	357	UG/KG	U	U		357	1
	Bis(2-chloroisopropyl) ether	357	UG/KG	U	U		357	1
	Bis(2-ethylhexyl)phthalate	179	UG/KG	U	U		179	1
	Butyl benzyl phthalate	357	UG/KG	U	U		357	1
	Carbazole	35.7	UG/KG	U	U		35.7	1
	Chrysene	18.2	UG/KG	J	J		35.7	1
	Di-n-butyl phthalate	357	UG/KG	U	U		357	1
	Di-n-octylphthalate	357	UG/KG	U	U		357	1
	Dibenz(a,h)anthracene	35.7	UG/KG	U	U		35.7	1
	Dibenzofuran	357	UG/KG	U	U		357	1
	Diethyl phthalate	357	UG/KG	U	U		357	1
	Dimethyl phthalate	357	UG/KG	U	U		357	1
	Diphenylamine	357	UG/KG	U	U		357	1
	Fluoranthene	35.7	UG/KG	U	U		35.7	1
	Fluorene	35.7	UG/KG	U	U		35.7	1
	Hexachlorobenzene	357	UG/KG	U	U		357	1
	Hexachlorobutadiene	357	UG/KG	U	U		357	1
	Hexachlorocyclopentadiene	357	UG/KG	U	U		357	1
	Hexachloroethane	357	UG/KG	U	U		357	1
	Indeno(1,2,3-cd)pyrene	14.6	UG/KG	J	J		35.7	1
	Isophorone	357	UG/KG	U	U		357	1
	N-Nitroso-di-n-propylamine	357	UG/KG	U	U		357	1
	Naphthalene	35.7	UG/KG	U	U		35.7	1
	Nitrobenzene	357	UG/KG	U	U		357	1
	Pentachlorophenol	357	UG/KG	U	U		357	1
	Phenanthrene	11	UG/KG	J	J		35.7	1
	Phenol	357	UG/KG	U	U		357	1
	Pyrene	29.9	UG/KG	J	J		35.7	1

Station: 7J-SB-33
Sample ID: 7J13382 Media: Soil Depth: 8 - 9.8 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201876
SW846 8260	Benzene	28.2	UG/KG		J	G01	0.969	1
	Ethylbenzene	141	UG/KG	D	J	G02	98.5	50
	Toluene	0.969	UG/KG	U	U		0.969	1
	Xylenes, Total	162	UG/KG	D	J	G02	98.5	50
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	1,2,4-Trichlorobenzene	388	UG/KG	U	U		388	1
	1,2-Dichlorobenzene	388	UG/KG	U	U		388	1
	1,3-Dichlorobenzene	388	UG/KG	U	U		388	1
	1,4-Dichlorobenzene	388	UG/KG	U	U		388	1
	2,4,5-Trichlorophenol	388	UG/KG	U	U		388	1
	2,4,6-Trichlorophenol	388	UG/KG	U	U		388	1
	2,4-Dichlorophenol	388	UG/KG	U	U		388	1
	2,4-Dimethylphenol	388	UG/KG	U	U		388	1

Station: 7J-SB-33
Sample ID: 7J13382 Media: Soil Depth: 8 - 9.8 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	2,4-Dinitrophenol	775	UG/KG	U	U		775	1
	2,4-Dinitrotoluene	388	UG/KG	U	U		388	1
	2,6-Dinitrotoluene	388	UG/KG	U	U		388	1
	2-Chloronaphthalene	38.8	UG/KG	U	U		38.8	1
	2-Chlorophenol	388	UG/KG	U	U		388	1
	2-Methyl-4,6-dinitrophenol	388	UG/KG	U	U		388	1
	2-Methylnaphthalene	9250	UG/KG		=		388	10
	2-Methylphenol	388	UG/KG	U	U		388	1
	2-Nitroaniline	388	UG/KG	U	U		388	1
	2-Nitrophenol	388	UG/KG	U	U		388	1
	3,3'-Dichlorobenzidine	388	UG/KG	U	U		388	1
	3-Nitroaniline	388	UG/KG	U	U		388	1
	4-Bromophenyl phenyl ether	388	UG/KG	U	U		388	1
	4-Chloro-3-methylphenol	388	UG/KG	U	U		388	1
	4-Chloroaniline	388	UG/KG	U	U		388	1
	4-Chlorophenyl phenyl ether	388	UG/KG	U	U		388	1
	4-Methylphenol	388	UG/KG	U	U		388	1
	4-Nitroaniline	388	UG/KG	U	U		388	1
	4-Nitrophenol	388	UG/KG	U	U		388	1
	Acenaphthene	38.8	UG/KG	U	U		38.8	1
	Acenaphthylene	38.8	UG/KG	U	U		38.8	1
	Anthracene	38.8	UG/KG	U	U		38.8	1
	Benz(a)anthracene	60.7	UG/KG		=		38.8	1
	Benzenemethanol	388	UG/KG	U	U		388	1
	Benzo(a)pyrene	38.8	UG/KG	U	U		38.8	1
	Benzo(b)fluoranthene	38.8	UG/KG	U	U		38.8	1
	Benzo(ghi)perylene	38.8	UG/KG	U	U		38.8	1
	Benzo(k)fluoranthene	38.8	UG/KG	U	U		38.8	1
	Benzoic acid	775	UG/KG	U	U		775	1
	Bis(2-chloroethoxy)methane	388	UG/KG	U	U		388	1
	Bis(2-chloroethyl) ether	388	UG/KG	U	U		388	1
	Bis(2-chloroisopropyl) ether	388	UG/KG	U	U		388	1
	Bis(2-ethylhexyl)phthalate	194	UG/KG	U	U		194	1
	Butyl benzyl phthalate	388	UG/KG	U	U		388	1
	Carbazole	38.8	UG/KG	U	U		38.8	1
	Chrysene	75.6	UG/KG		=		38.8	1
	Di-n-butyl phthalate	388	UG/KG	U	U		388	1
	Di-n-octylphthalate	388	UG/KG	U	U		388	1
	Dibenz(a,h)anthracene	38.8	UG/KG	U	U		38.8	1
	Dibenzofuran	388	UG/KG	U	U		388	1
	Diethyl phthalate	388	UG/KG	U	U		388	1
	Dimethyl phthalate	388	UG/KG	U	U		388	1
	Diphenylamine	388	UG/KG	U	U		388	1
	Fluoranthene	38.8	UG/KG	U	U		38.8	1
	Fluorene	38.8	UG/KG	U	U		38.8	1
	Hexachlorobenzene	388	UG/KG	U	U		388	1
	Hexachlorobutadiene	388	UG/KG	U	U		388	1
	Hexachlorocyclopentadiene	388	UG/KG	U	U		388	1
	Hexachloroethane	388	UG/KG	U	U		388	1
	Indeno(1,2,3-cd)pyrene	38.8	UG/KG	U	U		38.8	1
	Isophorone	388	UG/KG	U	U		388	1
	N-Nitroso-di-n-propylamine	388	UG/KG	U	U		388	1
	Naphthalene	1890	UG/KG		=		38.8	1
	Nitrobenzene	388	UG/KG	U	U		388	1
	Pentachlorophenol	388	UG/KG	U	U		388	1
	Phenanthrene	2450	UG/KG		=		38.8	1

Station: 7J-SB-33
Sample ID: 7J13382 Media: Soil Depth: 8 - 9.8 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201876
SW846 8270	Phenol	388	UG/KG	U	U		388	1
	Pyrene	771	UG/KG		=		38.8	1

Station: 7J-SB-34
Sample ID: 7J13481 Media: Soil Depth: 5.6 - 7.2 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201967
SW846 8260B	Benzene	1.15	UG/KG		=		0.923	1
	Ethylbenzene	9.11	UG/KG		=		0.923	1
	Toluene	0.923	UG/KG	U	U		0.923	1
	Xylenes, Total	2.05	UG/KG		=		0.923	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201967
SW846 8270C	1,2,4-Trichlorobenzene	387	UG/KG	U	U		387	1
	1,2-Dichlorobenzene	387	UG/KG	U	U		387	1
	1,3-Dichlorobenzene	387	UG/KG	U	U		387	1
	1,4-Dichlorobenzene	387	UG/KG	U	U		387	1
	2,4,5-Trichlorophenol	387	UG/KG	U	U		387	1
	2,4,6-Trichlorophenol	387	UG/KG	U	U		387	1
	2,4-Dichlorophenol	387	UG/KG	U	U		387	1
	2,4-Dimethylphenol	387	UG/KG	U	U		387	1
	2,4-Dinitrophenol	774	UG/KG	U	U		774	1
	2,4-Dinitrotoluene	387	UG/KG	U	U		387	1
	2,6-Dinitrotoluene	387	UG/KG	U	U		387	1
	2-Chloronaphthalene	38.7	UG/KG	U	U		38.7	1
	2-Chlorophenol	387	UG/KG	U	U		387	1
	2-Methyl-4,6-dinitrophenol	387	UG/KG	U	U		387	1
	2-Methylnaphthalene	1660	UG/KG		=		38.7	1
	2-Methylphenol	387	UG/KG	U	U		387	1
	2-Nitroaniline	387	UG/KG	U	U		387	1
	2-Nitrophenol	387	UG/KG	U	U		387	1
	3,3'-Dichlorobenzidine	387	UG/KG	U	U		387	1
	3-Nitroaniline	387	UG/KG	U	U		387	1
	4-Bromophenyl phenyl ether	387	UG/KG	U	U		387	1
	4-Chloro-3-methylphenol	387	UG/KG	U	U		387	1
	4-Chloroaniline	387	UG/KG	U	U		387	1
	4-Chlorophenyl phenyl ether	387	UG/KG	U	U		387	1
	4-Methylphenol	387	UG/KG	U	U		387	1
	4-Nitroaniline	387	UG/KG	U	U		387	1
	4-Nitrophenol	387	UG/KG	U	U		387	1
	Acenaphthene	158	UG/KG		=		38.7	1
	Acenaphthylene	38.7	UG/KG	U	U		38.7	1
	Anthracene	38.7	UG/KG	U	U		38.7	1
	Benz(a)anthracene	38.7	UG/KG	U	U		38.7	1
	Benzenemethanol	387	UG/KG	U	U		387	1
	Benzo(a)pyrene	38.7	UG/KG	U	U		38.7	1
	Benzo(b)fluoranthene	38.7	UG/KG	U	U		38.7	1
	Benzo(ghi)perylene	38.7	UG/KG	U	U		38.7	1
	Benzo(k)fluoranthene	38.7	UG/KG	U	U		38.7	1
	Benzoic acid	774	UG/KG	U	U		774	1
	Bis(2-chloroethoxy)methane	387	UG/KG	U	U		387	1
	Bis(2-chloroethyl) ether	387	UG/KG	U	U		387	1

Station: 7J-SB-34
Sample ID: 7J13481 Media: Soil Depth: 5.6 - 7.2 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201967
SW846 8270C	Bis(2-chloroisopropyl) ether	387	UG/KG	U	U		387	1
	Bis(2-ethylhexyl)phthalate	193	UG/KG	U	U		193	1
	Butyl benzyl phthalate	387	UG/KG	U	U		387	1
	Carbazole	38.7	UG/KG	U	U		38.7	1
	Chrysene	38.7	UG/KG	U	U		38.7	1
	Di-n-butyl phthalate	387	UG/KG	U	U		387	1
	Di-n-octylphthalate	387	UG/KG	U	U		387	1
	Dibenz(a,h)anthracene	38.7	UG/KG	U	U		38.7	1
	Dibenzofuran	387	UG/KG	U	U		387	1
	Diethyl phthalate	387	UG/KG	U	U		387	1
	Dimethyl phthalate	387	UG/KG	U	U		387	1
	Diphenylamine	387	UG/KG	U	U		387	1
	Fluoranthene	38.7	UG/KG	U	U		38.7	1
	Fluorene	275	UG/KG		=		38.7	1
	Hexachlorobenzene	387	UG/KG	U	U		387	1
	Hexachlorobutadiene	387	UG/KG	U	U		387	1
	Hexachlorocyclopentadiene	387	UG/KG	U	U		387	1
	Hexachloroethane	387	UG/KG	U	U		387	1
	Indeno(1,2,3-cd)pyrene	38.7	UG/KG	U	U		38.7	1
	Isophorone	387	UG/KG	U	U		387	1
	N-Nitroso-di-n-propylamine	387	UG/KG	U	U		387	1
	Naphthalene	147	UG/KG		=		38.7	1
	Nitrobenzene	387	UG/KG	U	U		387	1
	Pentachlorophenol	387	UG/KG	U	U		387	1
	Phenanthrene	684	UG/KG		=		38.7	1
	Phenol	387	UG/KG	U	U		387	1
	Pyrene	183	UG/KG		=		38.7	1

Station: 7J-SB-34
Sample ID: 7J13482 Media: Soil Depth: 8 - 9.6 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201967
SW846 8260B	Benzene	1.09	UG/KG		=		1.04	1
	Ethylbenzene	2.66	UG/KG		=		1.04	1
	Toluene	1.04	UG/KG	U	U		1.04	1
	Xylenes, Total	0.797	UG/KG	J	J		1.04	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201967
SW846 8270C	1,2,4-Trichlorobenzene	424	UG/KG	U	U		424	1
	1,2-Dichlorobenzene	424	UG/KG	U	U		424	1
	1,3-Dichlorobenzene	424	UG/KG	U	U		424	1
	1,4-Dichlorobenzene	424	UG/KG	U	U		424	1
	2,4,5-Trichlorophenol	424	UG/KG	U	U		424	1
	2,4,6-Trichlorophenol	424	UG/KG	U	U		424	1
	2,4-Dichlorophenol	424	UG/KG	U	U		424	1
	2,4-Dimethylphenol	424	UG/KG	U	U		424	1
	2,4-Dinitrophenol	847	UG/KG	U	U		847	1
	2,4-Dinitrotoluene	424	UG/KG	U	U		424	1
	2,6-Dinitrotoluene	424	UG/KG	U	U		424	1
	2-Chloronaphthalene	42.4	UG/KG	U	U		42.4	1
	2-Chlorophenol	424	UG/KG	U	U		424	1
	2-Methyl-4,6-dinitrophenol	424	UG/KG	U	U		424	1
	2-Methylnaphthalene	135	UG/KG		=		42.4	1

Station: 7J-SB-34
Sample ID: 7J13482 Media: Soil Depth: 8 - 9.6 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201967
SW846 8270C	2-Methylphenol	424	UG/KG	U	U		424	1
	2-Nitroaniline	424	UG/KG	U	U		424	1
	2-Nitrophenol	424	UG/KG	U	U		424	1
	3,3'-Dichlorobenzidine	424	UG/KG	U	U		424	1
	3-Nitroaniline	424	UG/KG	U	U		424	1
	4-Bromophenyl phenyl ether	424	UG/KG	U	U		424	1
	4-Chloro-3-methylphenol	424	UG/KG	U	U		424	1
	4-Chloroaniline	424	UG/KG	U	U		424	1
	4-Chlorophenyl phenyl ether	424	UG/KG	U	U		424	1
	4-Methylphenol	424	UG/KG	U	U		424	1
	4-Nitroaniline	424	UG/KG	U	U		424	1
	4-Nitrophenol	424	UG/KG	U	U		424	1
	Acenaphthene	18.9	UG/KG	J	J		42.4	1
	Acenaphthylene	42.4	UG/KG	U	U		42.4	1
	Anthracene	42.4	UG/KG	U	U		42.4	1
	Benz(a)anthracene	42.4	UG/KG	U	U		42.4	1
	Benzenemethanol	424	UG/KG	U	U		424	1
	Benzo(a)pyrene	42.4	UG/KG	U	U		42.4	1
	Benzo(b)fluoranthene	42.4	UG/KG	U	U		42.4	1
	Benzo(ghi)perylene	42.4	UG/KG	U	U		42.4	1
	Benzo(k)fluoranthene	42.4	UG/KG	U	U		42.4	1
	Benzoic acid	847	UG/KG	U	U		847	1
	Bis(2-chloroethoxy)methane	424	UG/KG	U	U		424	1
	Bis(2-chloroethyl) ether	424	UG/KG	U	U		424	1
	Bis(2-chloroisopropyl) ether	424	UG/KG	U	U		424	1
	Bis(2-ethylhexyl)phthalate	212	UG/KG	U	U		212	1
	Butyl benzyl phthalate	424	UG/KG	U	U		424	1
	Carbazole	42.4	UG/KG	U	U		42.4	1
	Chrysene	42.4	UG/KG	U	U		42.4	1
	Di-n-butyl phthalate	424	UG/KG	U	U		424	1
	Di-n-octylphthalate	424	UG/KG	U	U		424	1
	Dibenz(a,h)anthracene	42.4	UG/KG	U	U		42.4	1
	Dibenzofuran	424	UG/KG	U	U		424	1
	Diethyl phthalate	424	UG/KG	U	U		424	1
	Dimethyl phthalate	424	UG/KG	U	U		424	1
	Diphenylamine	424	UG/KG	U	U		424	1
	Fluoranthene	42.4	UG/KG	U	U		42.4	1
	Fluorene	36.4	UG/KG	J	J		42.4	1
	Hexachlorobenzene	424	UG/KG	U	U		424	1
	Hexachlorobutadiene	424	UG/KG	U	U		424	1
	Hexachlorocyclopentadiene	424	UG/KG	U	U		424	1
	Hexachloroethane	424	UG/KG	U	U		424	1
	Indeno(1,2,3-cd)pyrene	42.4	UG/KG	U	U		42.4	1
	Isophorone	424	UG/KG	U	U		424	1
	N-Nitroso-di-n-propylamine	424	UG/KG	U	U		424	1
	Naphthalene	15.2	UG/KG	J	J		42.4	1
	Nitrobenzene	424	UG/KG	U	U		424	1
	Pentachlorophenol	424	UG/KG	U	U		424	1
	Phenanthrene	102	UG/KG		=		42.4	1
	Phenol	424	UG/KG	U	U		424	1
	Pyrene	23.3	UG/KG	J	J		42.4	1

Station: 7J-SB-35
Sample ID: 7J13581 Media: Soil Depth: 0.6 - 2.7 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Validation Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201967
SW846 8260B	Benzene	0.939	UG/KG	U	U		0.939	1
	Ethylbenzene	0.406	UG/KG	J	J		0.939	1
	Toluene	0.308	UG/KG	J	J		0.939	1
	Xylenes, Total	0.335	UG/KG	J	J		0.939	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201967
SW846 8270C	1,2,4-Trichlorobenzene	369	UG/KG	U	U		369	1
	1,2-Dichlorobenzene	369	UG/KG	U	U		369	1
	1,3-Dichlorobenzene	369	UG/KG	U	U		369	1
	1,4-Dichlorobenzene	369	UG/KG	U	U		369	1
	2,4,5-Trichlorophenol	369	UG/KG	U	U		369	1
	2,4,6-Trichlorophenol	369	UG/KG	U	U		369	1
	2,4-Dichlorophenol	369	UG/KG	U	U		369	1
	2,4-Dimethylphenol	369	UG/KG	U	U		369	1
	2,4-Dinitrophenol	738	UG/KG	U	U		738	1
	2,4-Dinitrotoluene	369	UG/KG	U	U		369	1
	2,6-Dinitrotoluene	369	UG/KG	U	U		369	1
	2-Chloronaphthalene	36.9	UG/KG	U	U		36.9	1
	2-Chlorophenol	369	UG/KG	U	U		369	1
	2-Methyl-4,6-dinitrophenol	369	UG/KG	U	U		369	1
	2-Methylnaphthalene	36.9	UG/KG	U	U		36.9	1
	2-Methylphenol	369	UG/KG	U	U		369	1
	2-Nitroaniline	369	UG/KG	U	U		369	1
	2-Nitrophenol	369	UG/KG	U	U		369	1
	3,3'-Dichlorobenzidine	369	UG/KG	U	U		369	1
	3-Nitroaniline	369	UG/KG	U	U		369	1
	4-Bromophenyl phenyl ether	369	UG/KG	U	U		369	1
	4-Chloro-3-methylphenol	369	UG/KG	U	U		369	1
	4-Chloroaniline	369	UG/KG	U	U		369	1
	4-Chlorophenyl phenyl ether	369	UG/KG	U	U		369	1
	4-Methylphenol	369	UG/KG	U	U		369	1
	4-Nitroaniline	369	UG/KG	U	U		369	1
	4-Nitrophenol	369	UG/KG	U	U		369	1
	Acenaphthene	36.9	UG/KG	U	U		36.9	1
	Acenaphthylene	36.9	UG/KG	U	U		36.9	1
	Anthracene	36.9	UG/KG	U	U		36.9	1
	Benz(a)anthracene	36.9	UG/KG	U	U		36.9	1
	Benzenemethanol	369	UG/KG	U	U		369	1
	Benzo(a)pyrene	36.9	UG/KG	U	U		36.9	1
	Benzo(b)fluoranthene	36.9	UG/KG	U	U		36.9	1
	Benzo(ghi)perylene	36.9	UG/KG	U	U		36.9	1
	Benzo(k)fluoranthene	36.9	UG/KG	U	U		36.9	1
	Benzoic acid	738	UG/KG	U	U		738	1
	Bis(2-chloroethoxy)methane	369	UG/KG	U	U		369	1
	Bis(2-chloroethyl) ether	369	UG/KG	U	U		369	1
	Bis(2-chloroisopropyl) ether	369	UG/KG	U	U		369	1
	Bis(2-ethylhexyl)phthalate	184	UG/KG	U	U		184	1
	Butyl benzyl phthalate	369	UG/KG	U	U		369	1
	Carbazole	36.9	UG/KG	U	U		36.9	1
	Chrysene	36.9	UG/KG	U	U		36.9	1
	Di-n-butyl phthalate	369	UG/KG	U	U		369	1
	Di-n-octylphthalate	369	UG/KG	U	U		369	1
	Dibenz(a,h)anthracene	36.9	UG/KG	U	U		36.9	1
	Dibenzofuran	369	UG/KG	U	U		369	1
	Diethyl phthalate	369	UG/KG	U	U		369	1
	Dimethyl phthalate	369	UG/KG	U	U		369	1

Station: 7J-SB-35
Sample ID: 7J13581 Media: Soil Depth: 0.6 - 2.7 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201967
SW846 8270C	Diphenylamine	369	UG/KG	U	U		369	1
	Fluoranthene	36.9	UG/KG	U	U		36.9	1
	Fluorene	36.9	UG/KG	U	U		36.9	1
	Hexachlorobenzene	369	UG/KG	U	U		369	1
	Hexachlorobutadiene	369	UG/KG	U	U		369	1
	Hexachlorocyclopentadiene	369	UG/KG	U	U		369	1
	Hexachloroethane	369	UG/KG	U	U		369	1
	Indeno(1,2,3-cd)pyrene	36.9	UG/KG	U	U		36.9	1
	Isophorone	369	UG/KG	U	U		369	1
	N-Nitroso-di-n-propylamine	369	UG/KG	U	U		369	1
	Naphthalene	36.9	UG/KG	U	U		36.9	1
	Nitrobenzene	369	UG/KG	U	U		369	1
	Pentachlorophenol	369	UG/KG	U	U		369	1
	Phenanthrene	36.9	UG/KG	U	U		36.9	1
	Phenol	369	UG/KG	U	U		369	1
	Pyrene	36.9	UG/KG	U	U		36.9	1

Station: 7J-SB-35
Sample ID: 7J13582 Media: Soil Depth: 9.5 - 11 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201967
SW846 8260B	Benzene	0.881	UG/KG	U	U		0.881	1
	Ethylbenzene	0.881	UG/KG	U	U		0.881	1
	Toluene	0.881	UG/KG	U	U		0.881	1
	Xylenes, Total	0.881	UG/KG	U	U		0.881	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201967
SW846 8270C	1,2,4-Trichlorobenzene	382	UG/KG	U	U		382	1
	1,2-Dichlorobenzene	382	UG/KG	U	U		382	1
	1,3-Dichlorobenzene	382	UG/KG	U	U		382	1
	1,4-Dichlorobenzene	382	UG/KG	U	U		382	1
	2,4,5-Trichlorophenol	382	UG/KG	U	U		382	1
	2,4,6-Trichlorophenol	382	UG/KG	U	U		382	1
	2,4-Dichlorophenol	382	UG/KG	U	U		382	1
	2,4-Dimethylphenol	382	UG/KG	U	U		382	1
	2,4-Dinitrophenol	764	UG/KG	U	U		764	1
	2,4-Dinitrotoluene	382	UG/KG	U	U		382	1
	2,6-Dinitrotoluene	382	UG/KG	U	U		382	1
	2-Chloronaphthalene	38.2	UG/KG	U	U		38.2	1
	2-Chlorophenol	382	UG/KG	U	U		382	1
	2-Methyl-4,6-dinitrophenol	382	UG/KG	U	U		382	1
	2-Methylnaphthalene	38.2	UG/KG	U	U		38.2	1
	2-Methylphenol	382	UG/KG	U	U		382	1
	2-Nitroaniline	382	UG/KG	U	U		382	1
	2-Nitrophenol	382	UG/KG	U	U		382	1
	3,3'-Dichlorobenzidine	382	UG/KG	U	U		382	1
	3-Nitroaniline	382	UG/KG	U	U		382	1
	4-Bromophenyl phenyl ether	382	UG/KG	U	U		382	1
	4-Chloro-3-methylphenol	382	UG/KG	U	U		382	1
	4-Chloroaniline	382	UG/KG	U	U		382	1
	4-Chlorophenyl phenyl ether	382	UG/KG	U	U		382	1
	4-Methylphenol	382	UG/KG	U	U		382	1
	4-Nitroaniline	382	UG/KG	U	U		382	1

Station: 7J-SB-35
Sample ID: 7J13582 Media: Soil Depth: 9.5 - 11 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201967
SW846 8270C	4-Nitrophenol	382	UG/KG	U	U		382	1
	Acenaphthene	38.2	UG/KG	U	U		38.2	1
	Acenaphthylene	38.2	UG/KG	U	U		38.2	1
	Anthracene	38.2	UG/KG	U	U		38.2	1
	Benz(a)anthracene	38.2	UG/KG	U	U		38.2	1
	Benzenemethanol	382	UG/KG	U	U		382	1
	Benzo(a)pyrene	38.2	UG/KG	U	U		38.2	1
	Benzo(b)fluoranthene	38.2	UG/KG	U	U		38.2	1
	Benzo(ghi)perylene	38.2	UG/KG	U	U		38.2	1
	Benzo(k)fluoranthene	38.2	UG/KG	U	U		38.2	1
	Benzoic acid	764	UG/KG	U	U		764	1
	Bis(2-chloroethoxy)methane	382	UG/KG	U	U		382	1
	Bis(2-chloroethyl) ether	382	UG/KG	U	U		382	1
	Bis(2-chloroisopropyl) ether	382	UG/KG	U	U		382	1
	Bis(2-ethylhexyl)phthalate	191	UG/KG	U	U		191	1
	Butyl benzyl phthalate	382	UG/KG	U	U		382	1
	Carbazole	38.2	UG/KG	U	U		38.2	1
	Chrysene	38.2	UG/KG	U	U		38.2	1
	Di-n-butyl phthalate	382	UG/KG	U	U		382	1
	Di-n-octylphthalate	382	UG/KG	U	U		382	1
	Dibenz(a,h)anthracene	38.2	UG/KG	U	U		38.2	1
	Dibenzofuran	382	UG/KG	U	U		382	1
	Diethyl phthalate	382	UG/KG	U	U		382	1
	Dimethyl phthalate	382	UG/KG	U	U		382	1
	Diphenylamine	382	UG/KG	U	U		382	1
	Fluoranthene	38.2	UG/KG	U	U		38.2	1
	Fluorene	38.2	UG/KG	U	U		38.2	1
	Hexachlorobenzene	382	UG/KG	U	U		382	1
	Hexachlorobutadiene	382	UG/KG	U	U		382	1
	Hexachlorocyclopentadiene	382	UG/KG	U	U		382	1
	Hexachloroethane	382	UG/KG	U	U		382	1
	Indeno(1,2,3-cd)pyrene	38.2	UG/KG	U	U		38.2	1
	Isophorone	382	UG/KG	U	U		382	1
	N-Nitroso-di-n-propylamine	382	UG/KG	U	U		382	1
	Naphthalene	38.2	UG/KG	U	U		38.2	1
	Nitrobenzene	382	UG/KG	U	U		382	1
	Pentachlorophenol	382	UG/KG	U	U		382	1
	Phenanthrene	38.2	UG/KG	U	U		38.2	1
	Phenol	382	UG/KG	U	U		382	1
	Pyrene	38.2	UG/KG	U	U		38.2	1

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201842, 201845

CHAIN OF CUSTODY RECORD

COC NO.: 27F027

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04-~~9744.300~~ 5831-500

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

	Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS.
01	TJ12681	1/28/08	1418	Soil	X	X	2	109 ppm	1.6-3.3 Ft
02	TJ12682	1/28/08	1434	Soil	X	X	2	145 ppm	8.0-9.0 Ft
03	TJ12631	1/28/08	1434	Soil	X	X	2	145 ppm	Duplicate
	TJ42611	1/28/08	1500	GW	X	X	4	NA	
04	TJ12781	1/28/08	1533	Soil	X	X	2	0.0 ppm	5.9-7.8 Ft
05	TJ12782	1/28/08	1538	Soil	X	X	2	0.0 ppm	8.0-9.8 Ft
06	TJ42711	1/28/08	1600	GW	X	X	4	NA	
	TB0605	01/28/08	1100	GW	X		2		

WHP

RELINQUISHED BY: Wayne H. Parker	Date/Time 01/29/08 1145	RECEIVED BY: P. Nent	Date/Time 1/29/08 15:05	TOTAL NUMBER OF CONTAINERS: 20	Cooler Temperature:
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID:	FEDEX NUMBER:
RECEIVED BY: ~~Ben Watts~~ Ben Watts	Date/Time 01/29/08 1145	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Ben Watts	Date/Time 01/29/08 1505	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			

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CHAIN OF CUSTODY RECORD

201875
201876

COC NO.: 27F028

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04-~~9744-300~~ 5831-500

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
TJ12851	1/29/08	0901	QA	X	X	4	N/A	Eq. Rinsate
TJ12881	1/29/08	0928	Soil	X	X	2	1.1 ppm	1.8-3.6 ft
TJ12882	1/29/08	0941	Soil	X	X	2	152 ppm	8.0-9.9 ft
TJ42811	1/29/08	1009	GW	X	X	4	N/A	
TJ12981	1/29/08	1053	Soil	X	X	2	0.0 ppm	5.7-7.5 ft
TJ12982	1/29/08	1101	Soil	X	X	2	0.0 ppm	8.0-9.2 ft
TJ12931	1/29/08	1053	Soil	X	X	2	0.0 ppm	Duplicate
TJ42911	1/29/08	1203	GW	X	X	4	N/A	
TJ13081	1/29/08	1232	Soil	X	X	2	5.3 ppm	1.7-3.5 ft
TJ13082	1/29/08	1238	Soil	X	X	2	0.0 ppm	8.0-9.4 ft
TJ43011	1/29/08	1258	GW	X	X	4	N/A	
TJ13181	1/29/08	1329	Soil	X	X	2	3.0 ppm	2.1-3.4 ft
TJ13182	1/29/08	1333	Soil	X	X	2	0.3 ppm	5.6-7.2 ft

REQUESTED PARAMETERS

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: See pg. 2	Cooler Temperature:
Wayne H. Parker	01/30/08			Cooler ID:	FEDEX NUMBER:
COMPANY NAME: SAIC	1200	COMPANY NAME: GEL			
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time		
GEL	01/30/08 1200	COMPANY NAME:			
RELINQUISHED BY:	Date/Time	RECEIVED BY: Patricia Kent	Date/Time 1/30/08 14:45		
COMPANY NAME: GEL	01/30/08 1445	COMPANY NAME: GEL			

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CHAIN OF CUSTODY RECORD

COC NO.: 27F028

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04 ~~9744-360~~ 5831-500

PROJECT MANAGER: Jeff Longaker

Sampler (Signature) (Printed Name)

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod Charleston, SC 29407

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J43111	1/29/08	1355	GW	X	X	4	N/A	
7J13281	1/29/08	1438	Soil	X	X	2	1.8 ppm	2.1-3.6 ft
7J13282	1/29/08	1447	Soil	X	X	2	59.4 ppm	5.8-7.7 ft
7J43211	1/29/08	1516	GW	X	X	4	N/A	
7J43221	1/29/08	1516	GW	X	X	4	N/A	Duplicate
7J43341	1/29/08	1537	QA	X	X	4	N/A	Eq. Rinsate
7J13381	1/29/08	1551	Soil	X	X	2	2.9 ppm	2.2-3.8 ft
7J13382	1/29/08	1601	Soil	X	X	2	141 ppm	8.0-9.8 ft
7J43311	1/29/08	1623	GW	X	X	4	N/A	
TB0606	01/29/08	0730	GW	X		2		

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 62	Cooler Temperature:
COMPANY NAME: SAIC	01/30/08 1200	COMPANY NAME: G.E.L.	1/30/08 14:45	Cooler ID: 64 WMP 01/29/08	FEDEX NUMBER:
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time		
COMPANY NAME:	01/30/08 1200	COMPANY NAME:			
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time		
COMPANY NAME:	01/30/08 1700	COMPANY NAME:			

SAIC An Employee-Owned Company
Science Applications International Corporation
151 Layfayette Drive, Oak Ridge, Tennessee 37831 (865)481-4600

201967% **CHAIN OF CUSTODY RECORD** 201968%

COC NO.: 27F029

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04-~~9744-300~~ 5831-500

PROJECT MANAGER: Jeff Longaker

Sampler (Signature) Wayne H. Parker **(Printed Name)** WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

	Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
.1	7J13481	1/30/08	0920	Soil	X	X	2	102 ppm	5.6-7.2 ft
.1	7J13482	1/30/08	0928	Soil	X	X	2	30 ppm	8.4-9.6 ft
.2	7J43411	1/30/08	0950	GW	X	X	4	N/A	
.1	7J13581	1/30/08	1025	Soil	X	X	2	9.7 ppm	0.6-2.7 ft
.1	7J13582	1/30/08	1324	Soil	X	X	2	0.0 ppm	9.5-11.0 ft
.2	7J43511	1/30/08	1350	GW	X	X	4	N/A	
.2	7J43521	1/30/08	1350	GW	X	X	4	N/A	
.3	7J13464	1/29/08	0900	QA	X		2		Trip Blank

C-101 5

REQUESTED PARAMETERS

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 22	Cooler Temperature:
Wayne H. Parker	01/31/08 1112	Mellie Smith	1-31-08 1435	Cooler ID:	FEDEX NUMBER:
COMPANY NAME: SAIC		COMPANY NAME: GEL			
RECEIVED BY: Ben Waddell	Date/Time 01/31/08 1112	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Ben Waddell	Date/Time 01/31/08 1435	RECEIVED BY:	Date/Time		
COMPANY NAME: Gel		COMPANY NAME:			

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ANALYTICAL GROUNDWATER RESULTS AND CHAIN-OF-CUSTODY FORMS

JANUARY 2008

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Station: 7J-SB-26
Sample ID: 7J42611 Media: Groundwater Depth: 9 - 13 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Validation Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201845
SW846 8260	Benzene	0.628	UG/L	J	J		1	1
	Ethylbenzene	1.91	UG/L		=		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	2.51	UG/L		=		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201845
SW846 8270	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	2.77	UG/L		=		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1
	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1
	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	5.55	UG/L		=		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	Anthracene	0.98	UG/L	U	U		0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1
	Carbazole	0.98	UG/L	U	U		0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1

Station: 7J-SB-26
Sample ID: 7J42611 Media: Groundwater Depth: 9 - 13 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201845
SW846 8270	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	0.693	UG/L	J	J		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	5.1	UG/L		=		0.98	1
	Nitrobenzene	9.8	UG/L	U	U		9.8	1
	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	0.601	UG/L	J	J		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1

Station: 7J-SB-27
Sample ID: 7J42711 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201845
SW846 8260	Benzene	0.465	UG/L	J	J		1	1
	Ethylbenzene	0.794	UG/L	J	J		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	2.71	UG/L		=		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201845
SW846 8270	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	13.3	UG/L		=		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1
	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1

Station: 7J-SB-27
Sample ID: 7J42711 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/28/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201845
SW846 8270	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	0.99	UG/L		=		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	Anthracene	0.98	UG/L	U	U		0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1
	Carbazole	1.39	UG/L		J	C05	0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1
	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	1.8	UG/L		=		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	12.4	UG/L		=		0.98	1
	Nitrobenzene	9.8	UG/L	U	U		9.8	1
	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	1.99	UG/L		=		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1

Station: 7J-SB-28
Sample ID: 7J42811 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201875
SW846 8260	Benzene	347	UG/L	D	=		5	5
	Ethylbenzene	31.5	UG/L		=		1	1
	Toluene	2.22	UG/L		U	F03,F07	1	1
	Xylenes, Total	6.66	UG/L		=	F04,F08	1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875

Station: 7J-SB-28
Sample ID: 7J42811 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	1,2,4-Trichlorobenzene	10	UG/L	U	U		10	1
	1,2-Dichlorobenzene	10	UG/L	U	U		10	1
	1,3-Dichlorobenzene	10	UG/L	U	U		10	1
	1,4-Dichlorobenzene	10	UG/L	U	U		10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U		10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U		10	1
	2,4-Dichlorophenol	10	UG/L	U	U		10	1
	2,4-Dimethylphenol	10	UG/L	U	U		10	1
	2,4-Dinitrophenol	20	UG/L	U	U		20	1
	2,4-Dinitrotoluene	10	UG/L	U	U		10	1
	2,6-Dinitrotoluene	10	UG/L	U	U		10	1
	2-Chloronaphthalene	1	UG/L	U	U		1	1
	2-Chlorophenol	10	UG/L	U	U		10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U		10	1
	2-Methylnaphthalene	2.72	UG/L		=		1	1
	2-Methylphenol	10	UG/L	U	U		10	1
	2-Nitroaniline	10	UG/L	U	U		10	1
	2-Nitrophenol	10	UG/L	U	U		10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U		10	1
	3-Nitroaniline	10	UG/L	U	U		10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U		10	1
	4-Chloroaniline	10	UG/L	U	U		10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Methylphenol	10	UG/L	U	U		10	1
	4-Nitroaniline	10	UG/L	U	U		10	1
	4-Nitrophenol	10	UG/L	U	U		10	1
	Acenaphthene	1.93	UG/L		=		1	1
	Acenaphthylene	1	UG/L	U	U		1	1
	Anthracene	0.393	UG/L	J	J		1	1
	Benz(a)anthracene	1	UG/L	U	U		1	1
	Benzenemethanol	10	UG/L	U	U		10	1
	Benzo(a)pyrene	1	UG/L	U	U		1	1
	Benzo(b)fluoranthene	1	UG/L	U	U		1	1
	Benzo(ghi)perylene	1	UG/L	U	U		1	1
	Benzo(k)fluoranthene	1	UG/L	U	U		1	1
	Benzoic acid	20	UG/L	U	U		20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U		10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U		10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U		10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U		10	1
	Butyl benzyl phthalate	10	UG/L	U	U		10	1
	Carbazole	13.6	UG/L		J	C05	1	1
	Chrysene	1	UG/L	U	U		1	1
	Di-n-butyl phthalate	10	UG/L	U	U		10	1
	Di-n-octylphthalate	10	UG/L	U	U		10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1
	Dibenzofuran	10	UG/L	U	U		10	1
	Diethyl phthalate	10	UG/L	U	U		10	1
	Dimethyl phthalate	10	UG/L	U	U		10	1
	Diphenylamine	10	UG/L	U	U		10	1
	Fluoranthene	1	UG/L	U	U		1	1
	Fluorene	3.06	UG/L		=		1	1
	Hexachlorobenzene	10	UG/L	U	U		10	1
	Hexachlorobutadiene	10	UG/L	U	U		10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U		10	1

Station: 7J-SB-28
Sample ID: 7J42811 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	Hexachloroethane	10	UG/L	U	U		10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1
	Isophorone	10	UG/L	U	U		10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U		10	1
	Naphthalene	6.41	UG/L		=		1	1
	Nitrobenzene	10	UG/L	U	U		10	1
	Pentachlorophenol	10	UG/L	U	U		10	1
	Phenanthrene	1.04	UG/L		=		1	1
	Phenol	1.41	UG/L	J	J		10	1
	Pyrene	1	UG/L	U	U		1	1

Station: 7J-SB-29
Sample ID: 7J42911 Media: Groundwater Depth: 9 - 13 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201875
SW846 8260	Benzene	83.2	UG/L		=		1	1
	Ethylbenzene	13.1	UG/L		=		1	1
	Toluene	1	UG/L	J	U	F03,F06	1	1
	Xylenes, Total	9.2	UG/L		=	F04,F08	1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	1,2,4-Trichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,2-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,3-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,4-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	2,4,5-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4,6-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dimethylphenol	9.71	UG/L	U	U		9.71	1
	2,4-Dinitrophenol	19.4	UG/L	U	U		19.4	1
	2,4-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2,6-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2-Chloronaphthalene	0.971	UG/L	U	U		0.971	1
	2-Chlorophenol	9.71	UG/L	U	U		9.71	1
	2-Methyl-4,6-dinitrophenol	9.71	UG/L	U	U		9.71	1
	2-Methylnaphthalene	8.34	UG/L		=		0.971	1
	2-Methylphenol	9.71	UG/L	U	U		9.71	1
	2-Nitroaniline	9.71	UG/L	U	U		9.71	1
	2-Nitrophenol	9.71	UG/L	U	U		9.71	1
	3,3'-Dichlorobenzidine	9.71	UG/L	U	U		9.71	1
	3-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Bromophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Chloro-3-methylphenol	9.71	UG/L	U	U		9.71	1
	4-Chloroaniline	9.71	UG/L	U	U		9.71	1
	4-Chlorophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Methylphenol	9.71	UG/L	U	U		9.71	1
	4-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Nitrophenol	9.71	UG/L	U	U		9.71	1
	Acenaphthene	2.56	UG/L		=		0.971	1
	Acenaphthylene	0.971	UG/L	U	U		0.971	1
	Anthracene	0.971	UG/L	U	U		0.971	1
	Benz(a)anthracene	0.971	UG/L	U	U		0.971	1

Station: 7J-SB-29
Sample ID: 7J42911 Media: Groundwater Depth: 9 - 13 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	Benzenemethanol	9.71	UG/L	U	U		9.71	1
	Benzo(a)pyrene	0.971	UG/L	U	U		0.971	1
	Benzo(b)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzo(ghi)perylene	0.971	UG/L	U	U		0.971	1
	Benzo(k)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzoic acid	19.4	UG/L	U	U		19.4	1
	Bis(2-chloroethoxy)methane	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroethyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroisopropyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-ethylhexyl)phthalate	5.26	UG/L	J	J		9.71	1
	Butyl benzyl phthalate	9.71	UG/L	U	U		9.71	1
	Carbazole	12	UG/L		=		0.971	1
	Chrysene	0.971	UG/L	U	U		0.971	1
	Di-n-butyl phthalate	9.71	UG/L	U	U		9.71	1
	Di-n-octylphthalate	9.71	UG/L	U	U		9.71	1
	Dibenz(a,h)anthracene	0.971	UG/L	U	U		0.971	1
	Dibenzofuran	9.71	UG/L	U	U		9.71	1
	Diethyl phthalate	9.71	UG/L	U	U		9.71	1
	Dimethyl phthalate	9.71	UG/L	U	U		9.71	1
	Diphenylamine	9.71	UG/L	U	U		9.71	1
	Fluoranthene	0.971	UG/L	U	U		0.971	1
	Fluorene	3.23	UG/L		=		0.971	1
	Hexachlorobenzene	9.71	UG/L	U	U		9.71	1
	Hexachlorobutadiene	9.71	UG/L	U	U		9.71	1
	Hexachlorocyclopentadiene	9.71	UG/L	U	U		9.71	1
	Hexachloroethane	9.71	UG/L	U	U		9.71	1
	Indeno(1,2,3-cd)pyrene	0.971	UG/L	U	U		0.971	1
	Isophorone	9.71	UG/L	U	U		9.71	1
	N-Nitroso-di-n-propylamine	9.71	UG/L	U	U		9.71	1
	Naphthalene	38.4	UG/L		=		0.971	1
	Nitrobenzene	9.71	UG/L	U	U		9.71	1
	Pentachlorophenol	9.71	UG/L	U	U		9.71	1
	Phenanthrene	2.6	UG/L		=		0.971	1
	Phenol	9.71	UG/L	U	U		9.71	1
	Pyrene	0.971	UG/L	U	U		0.971	1

Station: 7J-SB-30
Sample ID: 7J43011 Media: Groundwater Depth: 9 - 13 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201875
SW846 8260	Benzene	12.4	UG/L		=		1	1
	Ethylbenzene	1.3	UG/L		=		1	1
	Toluene	1	UG/L	J	U	F03,F06	1	1
	Xylenes, Total	1.37	UG/L		U	F04,F07	1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1

Station: 7J-SB-30
Sample ID: 7J43011 Media: Groundwater Depth: 9 - 13 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	0.899	UG/L	J	J		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1
	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1
	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	0.881	UG/L	J	J		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	Anthracene	0.98	UG/L	U	U		0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	4.22	UG/L	J	J		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1
	Carbazole	3.88	UG/L		=		0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1
	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	1.56	UG/L		=		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	17.8	UG/L		=		0.98	1
	Nitrobenzene	9.8	UG/L	U	U		9.8	1

Station: 7J-SB-30
Sample ID: 7J43011 Media: Groundwater Depth: 9 - 13 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	1.77	UG/L		=		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1

Station: 7J-SB-31
Sample ID: 7J43111 Media: Groundwater Depth: 9 - 13 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201875
SW846 8260	Benzene	441	UG/L	D	=		5	5
	Ethylbenzene	54.3	UG/L		=		1	1
	Toluene	98.1	UG/L		=	F03,F08	1	1
	Xylenes, Total	166	UG/L		=	F04,F08	1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	5.21	UG/L	J	J		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	60.9	UG/L		=		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1
	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1
	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	2.1	UG/L		=		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	Anthracene	0.413	UG/L	J	J		0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1

Station: 7J-SB-31
Sample ID: 7J43111 Media: Groundwater Depth: 9 - 13 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	3.04	UG/L	J	J		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1
	Carbazole	16	UG/L		J	C05	0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1
	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	3.61	UG/L		=		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	86.2	UG/L		=		0.98	1
	Nitrobenzene	9.8	UG/L	U	U		9.8	1
	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	3.89	UG/L		=		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1

Station: 7J-SB-32
Sample ID: 7J43211 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201875
SW846 8260	Benzene	5.67	UG/L		=		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	1.39	UG/L		U	F04,F07	1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	1,2,4-Trichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,2-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,3-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,4-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	2,4,5-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4,6-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dimethylphenol	9.62	UG/L	U	U		9.62	1
	2,4-Dinitrophenol	19.2	UG/L	U	U		19.2	1
	2,4-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2,6-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2-Chloronaphthalene	0.962	UG/L	U	U		0.962	1

Station: 7J-SB-32
Sample ID: 7J43211 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	2-Chlorophenol	9.62	UG/L	U	U		9.62	1
	2-Methyl-4,6-dinitrophenol	9.62	UG/L	U	U		9.62	1
	2-Methylnaphthalene	1.18	UG/L		=		0.962	1
	2-Methylphenol	9.62	UG/L	U	U		9.62	1
	2-Nitroaniline	9.62	UG/L	U	U		9.62	1
	2-Nitrophenol	9.62	UG/L	U	U		9.62	1
	3,3'-Dichlorobenzidine	9.62	UG/L	U	U		9.62	1
	3-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Bromophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Chloro-3-methylphenol	9.62	UG/L	U	U		9.62	1
	4-Chloroaniline	9.62	UG/L	U	U		9.62	1
	4-Chlorophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Methylphenol	9.62	UG/L	U	U		9.62	1
	4-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Nitrophenol	9.62	UG/L	U	U		9.62	1
	Acenaphthene	0.962	UG/L	U	U		0.962	1
	Acenaphthylene	0.962	UG/L	U	U		0.962	1
	Anthracene	0.962	UG/L	U	U		0.962	1
	Benz(a)anthracene	0.962	UG/L	U	U		0.962	1
	Benzenemethanol	9.62	UG/L	U	U		9.62	1
	Benzo(a)pyrene	0.962	UG/L	U	U		0.962	1
	Benzo(b)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzo(ghi)perylene	0.962	UG/L	U	U		0.962	1
	Benzo(k)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzoic acid	19.2	UG/L	U	U		19.2	1
	Bis(2-chloroethoxy)methane	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroethyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroisopropyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-ethylhexyl)phthalate	9.62	UG/L	U	U		9.62	1
	Butyl benzyl phthalate	9.62	UG/L	U	U		9.62	1
	Carbazole	0.962	UG/L	U	U		0.962	1
	Chrysene	0.962	UG/L	U	U		0.962	1
	Di-n-butyl phthalate	9.62	UG/L	U	U		9.62	1
	Di-n-octylphthalate	9.62	UG/L	U	U		9.62	1
	Dibenz(a,h)anthracene	0.962	UG/L	U	U		0.962	1
	Dibenzofuran	9.62	UG/L	U	U		9.62	1
	Diethyl phthalate	9.62	UG/L	U	U		9.62	1
	Dimethyl phthalate	9.62	UG/L	U	U		9.62	1
	Diphenylamine	9.62	UG/L	U	U		9.62	1
	Fluoranthene	0.962	UG/L	U	U		0.962	1
	Fluorene	0.962	UG/L	U	U		0.962	1
	Hexachlorobenzene	9.62	UG/L	U	U		9.62	1
	Hexachlorobutadiene	9.62	UG/L	U	U		9.62	1
	Hexachlorocyclopentadiene	9.62	UG/L	U	U		9.62	1
	Hexachloroethane	9.62	UG/L	U	U		9.62	1
	Indeno(1,2,3-cd)pyrene	0.962	UG/L	U	U		0.962	1
	Isophorone	9.62	UG/L	U	U		9.62	1
	N-Nitroso-di-n-propylamine	9.62	UG/L	U	U		9.62	1
	Naphthalene	1.46	UG/L		=		0.962	1
	Nitrobenzene	9.62	UG/L	U	U		9.62	1
	Pentachlorophenol	9.62	UG/L	U	U		9.62	1
	Phenanthrene	0.962	UG/L	U	U		0.962	1
	Phenol	9.62	UG/L	U	U		9.62	1
	Pyrene	0.962	UG/L	U	U		0.962	1

Station: 7J-SB-32
Sample ID: 7J43221 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/29/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201875
SW846 8260	Benzene	3.74	UG/L		=		1	1
	Ethylbenzene	0.438	UG/L	J	J		1	1
	Toluene	1	UG/L	J	U	F03,F06	1	1
	Xylenes, Total	1.12	UG/L		U	F04,F07	1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	1,2,4-Trichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,2-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,3-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,4-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	2,4,5-Trichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4,6-Trichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4-Dichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4-Dimethylphenol	9.52	UG/L	U	U		9.52	1
	2,4-Dinitrophenol	19	UG/L	U	U		19	1
	2,4-Dinitrotoluene	9.52	UG/L	U	U		9.52	1
	2,6-Dinitrotoluene	9.52	UG/L	U	U		9.52	1
	2-Chloronaphthalene	0.952	UG/L	U	U		0.952	1
	2-Chlorophenol	9.52	UG/L	U	U		9.52	1
	2-Methyl-4,6-dinitrophenol	9.52	UG/L	U	U		9.52	1
	2-Methylnaphthalene	0.914	UG/L	J	J		0.952	1
	2-Methylphenol	9.52	UG/L	U	U		9.52	1
	2-Nitroaniline	9.52	UG/L	U	U		9.52	1
	2-Nitrophenol	9.52	UG/L	U	U		9.52	1
	3,3'-Dichlorobenzidine	9.52	UG/L	U	U		9.52	1
	3-Nitroaniline	9.52	UG/L	U	U		9.52	1
	4-Bromophenyl phenyl ether	9.52	UG/L	U	U		9.52	1
	4-Chloro-3-methylphenol	9.52	UG/L	U	U		9.52	1
	4-Chloroaniline	9.52	UG/L	U	U		9.52	1
	4-Chlorophenyl phenyl ether	9.52	UG/L	U	U		9.52	1
	4-Methylphenol	9.52	UG/L	U	U		9.52	1
	4-Nitroaniline	9.52	UG/L	U	U		9.52	1
	4-Nitrophenol	9.52	UG/L	U	U		9.52	1
	Acenaphthene	0.952	UG/L	U	U		0.952	1
	Acenaphthylene	0.952	UG/L	U	U		0.952	1
	Anthracene	0.952	UG/L	U	U		0.952	1
	Benz(a)anthracene	0.952	UG/L	U	U		0.952	1
	Benzenemethanol	9.52	UG/L	U	U		9.52	1
	Benzo(a)pyrene	0.952	UG/L	U	U		0.952	1
	Benzo(b)fluoranthene	0.952	UG/L	U	U		0.952	1
	Benzo(ghi)perylene	0.952	UG/L	U	U		0.952	1
	Benzo(k)fluoranthene	0.952	UG/L	U	U		0.952	1
	Benzoic acid	19	UG/L	U	U		19	1
	Bis(2-chloroethoxy)methane	9.52	UG/L	U	U		9.52	1
	Bis(2-chloroethyl) ether	9.52	UG/L	U	U		9.52	1
	Bis(2-chloroisopropyl) ether	9.52	UG/L	U	U		9.52	1
	Bis(2-ethylhexyl)phthalate	2.41	UG/L	J	J		9.52	1
	Butyl benzyl phthalate	9.52	UG/L	U	U		9.52	1
	Carbazole	0.952	UG/L	U	U		0.952	1
	Chrysene	0.952	UG/L	U	U		0.952	1
	Di-n-butyl phthalate	9.52	UG/L	U	U		9.52	1
	Di-n-octylphthalate	9.52	UG/L	U	U		9.52	1
	Dibenz(a,h)anthracene	0.952	UG/L	U	U		0.952	1
	Dibenzofuran	9.52	UG/L	U	U		9.52	1
	Diethyl phthalate	9.52	UG/L	U	U		9.52	1
	Dimethyl phthalate	9.52	UG/L	U	U		9.52	1

Station: 7J-SB-32
Sample ID: 7J43221 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/29/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	Diphenylamine	9.52	UG/L	U	U		9.52	1
	Fluoranthene	0.952	UG/L	U	U		0.952	1
	Fluorene	0.952	UG/L	U	U		0.952	1
	Hexachlorobenzene	9.52	UG/L	U	U		9.52	1
	Hexachlorobutadiene	9.52	UG/L	U	U		9.52	1
	Hexachlorocyclopentadiene	9.52	UG/L	U	U		9.52	1
	Hexachloroethane	9.52	UG/L	U	U		9.52	1
	Indeno(1,2,3-cd)pyrene	0.952	UG/L	U	U		0.952	1
	Isophorone	9.52	UG/L	U	U		9.52	1
	N-Nitroso-di-n-propylamine	9.52	UG/L	U	U		9.52	1
	Naphthalene	1.25	UG/L		=		0.952	1
	Nitrobenzene	9.52	UG/L	U	U		9.52	1
	Pentachlorophenol	9.52	UG/L	U	U		9.52	1
	Phenanthrene	0.952	UG/L	U	U		0.952	1
	Phenol	9.52	UG/L	U	U		9.52	1
	Pyrene	0.952	UG/L	U	U		0.952	1

Station: 7J-SB-33
Sample ID: 7J43311 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201875
SW846 8260	Benzene	35	UG/L		=		1	1
	Ethylbenzene	0.515	UG/L	J	J		1	1
	Toluene	1	UG/L	J	U	F03,F06	1	1
	Xylenes, Total	2.11	UG/L		U	F04,F07	1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	3.1	UG/L		=		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1
	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1

Station: 7J-SB-33
Sample ID: 7J43311 Media: Groundwater Depth: 10 - 14 FT
Date Collected: 01/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	0.98	UG/L	U	U		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	Anthracene	0.98	UG/L	U	U		0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1
	Carbazole	0.98	UG/L	U	U		0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1
	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	1.07	UG/L		=		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	25.3	UG/L		=		0.98	1
	Nitrobenzene	9.8	UG/L	U	U		9.8	1
	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	0.865	UG/L	J	J		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1

Station: 7J-SB-33
Sample ID: 7J43341 Media: Groundwater
Date Collected: 01/29/2008 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201875
SW846 8260	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	0.284	UG/L	J	J		1	1
	Xylenes, Total	0.31	UG/L	J	J		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	1,2,4-Trichlorobenzene	9.62	UG/L	U	U		9.62	1

Station: 7J-SB-33
Sample ID: 7J43341 Media: Groundwater
Date Collected: 01/29/2008 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	1,2-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,3-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,4-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	2,4,5-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4,6-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dimethylphenol	9.62	UG/L	U	U		9.62	1
	2,4-Dinitrophenol	19.2	UG/L	U	U		19.2	1
	2,4-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2,6-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2-Chloronaphthalene	0.962	UG/L	U	U		0.962	1
	2-Chlorophenol	9.62	UG/L	U	U		9.62	1
	2-Methyl-4,6-dinitrophenol	9.62	UG/L	U	U		9.62	1
	2-Methylnaphthalene	0.962	UG/L	U	U		0.962	1
	2-Methylphenol	9.62	UG/L	U	U		9.62	1
	2-Nitroaniline	9.62	UG/L	U	U		9.62	1
	2-Nitrophenol	9.62	UG/L	U	U		9.62	1
	3,3'-Dichlorobenzidine	9.62	UG/L	U	U		9.62	1
	3-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Bromophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Chloro-3-methylphenol	9.62	UG/L	U	U		9.62	1
	4-Chloroaniline	9.62	UG/L	U	U		9.62	1
	4-Chlorophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Methylphenol	9.62	UG/L	U	U		9.62	1
	4-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Nitrophenol	9.62	UG/L	U	U		9.62	1
	Acenaphthene	0.962	UG/L	U	U		0.962	1
	Acenaphthylene	0.962	UG/L	U	U		0.962	1
	Anthracene	0.962	UG/L	U	U		0.962	1
	Benz(a)anthracene	0.962	UG/L	U	U		0.962	1
	Benzenemethanol	9.62	UG/L	U	U		9.62	1
	Benzo(a)pyrene	0.962	UG/L	U	U		0.962	1
	Benzo(b)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzo(ghi)perylene	0.962	UG/L	U	U		0.962	1
	Benzo(k)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzoic acid	19.2	UG/L	U	U		19.2	1
	Bis(2-chloroethoxy)methane	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroethyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroisopropyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-ethylhexyl)phthalate	9.62	UG/L	U	U		9.62	1
	Butyl benzyl phthalate	9.62	UG/L	U	U		9.62	1
	Carbazole	0.962	UG/L	U	U		0.962	1
	Chrysene	0.962	UG/L	U	U		0.962	1
	Di-n-butyl phthalate	9.62	UG/L	U	U		9.62	1
	Di-n-octylphthalate	9.62	UG/L	U	U		9.62	1
	Dibenz(a,h)anthracene	0.962	UG/L	U	U		0.962	1
	Dibenzofuran	9.62	UG/L	U	U		9.62	1
	Diethyl phthalate	3.03	UG/L	J	J		9.62	1
	Dimethyl phthalate	9.62	UG/L	U	U		9.62	1
	Diphenylamine	9.62	UG/L	U	U		9.62	1
	Fluoranthene	0.962	UG/L	U	U		0.962	1
	Fluorene	0.962	UG/L	U	U		0.962	1
	Hexachlorobenzene	9.62	UG/L	U	U		9.62	1
	Hexachlorobutadiene	9.62	UG/L	U	U		9.62	1
	Hexachlorocyclopentadiene	9.62	UG/L	U	U		9.62	1
	Hexachloroethane	9.62	UG/L	U	U		9.62	1

Station: 7J-SB-33
Sample ID: 7J43341 Media: Groundwater
Date Collected: 01/29/2008 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201875
SW846 8270	Indeno(1,2,3-cd)pyrene	0.962	UG/L	U	U		0.962	1
	Isophorone	9.62	UG/L	U	U		9.62	1
	N-Nitroso-di-n-propylamine	9.62	UG/L	U	U		9.62	1
	Naphthalene	0.962	UG/L	U	U		0.962	1
	Nitrobenzene	9.62	UG/L	U	U		9.62	1
	Pentachlorophenol	9.62	UG/L	U	U		9.62	1
	Phenanthrene	0.962	UG/L	U	U		0.962	1
	Phenol	9.62	UG/L	U	U		9.62	1
	Pyrene	0.962	UG/L	U	U		0.962	1

Station: 7J-SB-34
Sample ID: 7J43411 Media: Groundwater Depth: 11 - 15 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201968
SW846 8260B	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	0.299	UG/L	J	J		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201968
SW846 8270C	1,2,4-Trichlorobenzene	10	UG/L	U	U		10	1
	1,2-Dichlorobenzene	10	UG/L	U	U		10	1
	1,3-Dichlorobenzene	10	UG/L	U	U		10	1
	1,4-Dichlorobenzene	10	UG/L	U	U		10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U		10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U		10	1
	2,4-Dichlorophenol	10	UG/L	U	U		10	1
	2,4-Dimethylphenol	10	UG/L	U	U		10	1
	2,4-Dinitrophenol	20	UG/L	U	U		20	1
	2,4-Dinitrotoluene	10	UG/L	U	U		10	1
	2,6-Dinitrotoluene	10	UG/L	U	U		10	1
	2-Chloronaphthalene	1	UG/L	U	U		1	1
	2-Chlorophenol	10	UG/L	U	U		10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U		10	1
	2-Methylnaphthalene	1.39	UG/L		=		1	1
	2-Methylphenol	10	UG/L	U	U		10	1
	2-Nitroaniline	10	UG/L	U	U		10	1
	2-Nitrophenol	10	UG/L	U	U		10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U		10	1
	3-Nitroaniline	10	UG/L	U	U		10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U		10	1
	4-Chloroaniline	10	UG/L	U	U		10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Methylphenol	10	UG/L	U	U		10	1
	4-Nitroaniline	10	UG/L	U	U		10	1
	4-Nitrophenol	10	UG/L	U	UJ	C05	10	1
	Acenaphthene	1	UG/L	U	U		1	1
	Acenaphthylene	1	UG/L	U	U		1	1
	Anthracene	1	UG/L	U	U		1	1
	Benz(a)anthracene	1	UG/L	U	U		1	1
	Benzenemethanol	10	UG/L	U	U		10	1

Station: 7J-SB-34
Sample ID: 7J43411 Media: Groundwater Depth: 11 - 15 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201968
SW846 8270C	Benzo(a)pyrene	1	UG/L	U	U		1	1
	Benzo(b)fluoranthene	1	UG/L	U	U		1	1
	Benzo(ghi)perylene	1	UG/L	U	U		1	1
	Benzo(k)fluoranthene	1	UG/L	U	U		1	1
	Benzoic acid	20	UG/L	U	U		20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U		10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U		10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U		10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U		10	1
	Butyl benzyl phthalate	10	UG/L	U	U		10	1
	Carbazole	1	UG/L	U	U		1	1
	Chrysene	1	UG/L	U	U		1	1
	Di-n-butyl phthalate	10	UG/L	U	U		10	1
	Di-n-octylphthalate	10	UG/L	U	U		10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1
	Dibenzofuran	10	UG/L	U	U		10	1
	Diethyl phthalate	10	UG/L	U	U		10	1
	Dimethyl phthalate	10	UG/L	U	U		10	1
	Diphenylamine	10	UG/L	U	U		10	1
	Fluoranthene	1	UG/L	U	U		1	1
	Fluorene	1	UG/L	U	U		1	1
	Hexachlorobenzene	10	UG/L	U	U		10	1
	Hexachlorobutadiene	10	UG/L	U	U		10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U		10	1
	Hexachloroethane	10	UG/L	U	U		10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1
	Isophorone	10	UG/L	U	U		10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U		10	1
	Naphthalene	2.92	UG/L		=		1	1
	Nitrobenzene	10	UG/L	U	U		10	1
	Pentachlorophenol	10	UG/L	U	U		10	1
	Phenanthrene	1	UG/L	U	U		1	1
	Phenol	10	UG/L	U	U		10	1
	Pyrene	1	UG/L	U	U		1	1

Station: 7J-SB-35
Sample ID: 7J43511 Media: Groundwater Depth: 11 - 15 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201968
SW846 8260B	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	0.253	UG/L	J	J		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201968
SW846 8270C	1,2,4-Trichlorobenzene	10	UG/L	U	U		10	1
	1,2-Dichlorobenzene	10	UG/L	U	U		10	1
	1,3-Dichlorobenzene	10	UG/L	U	U		10	1
	1,4-Dichlorobenzene	10	UG/L	U	U		10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U		10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U		10	1
	2,4-Dichlorophenol	10	UG/L	U	U		10	1

Station: 7J-SB-35
Sample ID: 7J43511 Media: Groundwater Depth: 11 - 15 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201968
SW846 8270C	2,4-Dimethylphenol	10	UG/L	U	U		10	1
	2,4-Dinitrophenol	20	UG/L	U	U		20	1
	2,4-Dinitrotoluene	10	UG/L	U	U		10	1
	2,6-Dinitrotoluene	10	UG/L	U	U		10	1
	2-Chloronaphthalene	1	UG/L	U	U		1	1
	2-Chlorophenol	10	UG/L	U	U		10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U		10	1
	2-Methylnaphthalene	1	UG/L	U	U		1	1
	2-Methylphenol	10	UG/L	U	U		10	1
	2-Nitroaniline	10	UG/L	U	U		10	1
	2-Nitrophenol	10	UG/L	U	U		10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U		10	1
	3-Nitroaniline	10	UG/L	U	U		10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U		10	1
	4-Chloroaniline	10	UG/L	U	U		10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Methylphenol	10	UG/L	U	U		10	1
	4-Nitroaniline	10	UG/L	U	U		10	1
	4-Nitrophenol	10	UG/L	U	UJ	C05	10	1
	Acenaphthene	1	UG/L	U	U		1	1
	Acenaphthylene	1	UG/L	U	U		1	1
	Anthracene	1	UG/L	U	U		1	1
	Benz(a)anthracene	1	UG/L	U	U		1	1
	Benzenemethanol	10	UG/L	U	U		10	1
	Benzo(a)pyrene	1	UG/L	U	U		1	1
	Benzo(b)fluoranthene	1	UG/L	U	U		1	1
	Benzo(ghi)perylene	1	UG/L	U	U		1	1
	Benzo(k)fluoranthene	1	UG/L	U	U		1	1
	Benzoic acid	20	UG/L	U	U		20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U		10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U		10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U		10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U		10	1
	Butyl benzyl phthalate	10	UG/L	U	U		10	1
	Carbazole	1	UG/L	U	U		1	1
	Chrysene	1	UG/L	U	U		1	1
	Di-n-butyl phthalate	10	UG/L	U	U		10	1
	Di-n-octylphthalate	10	UG/L	U	U		10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1
	Dibenzofuran	10	UG/L	U	U		10	1
	Diethyl phthalate	10	UG/L	U	U		10	1
	Dimethyl phthalate	10	UG/L	U	U		10	1
	Diphenylamine	10	UG/L	U	U		10	1
	Fluoranthene	1	UG/L	U	U		1	1
	Fluorene	1	UG/L	U	U		1	1
	Hexachlorobenzene	10	UG/L	U	U		10	1
	Hexachlorobutadiene	10	UG/L	U	U		10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U		10	1
	Hexachloroethane	10	UG/L	U	U		10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1
	Isophorone	10	UG/L	U	U		10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U		10	1
	Naphthalene	1	UG/L	U	U		1	1
	Nitrobenzene	10	UG/L	U	U		10	1
	Pentachlorophenol	10	UG/L	U	U		10	1

Station: 7J-SB-35
Sample ID: 7J43511 Media: Groundwater Depth: 11 - 15 FT
Date Collected: 01/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201968
SW846 8270C	Phenanthrene	1	UG/L	U	U		1	1
	Phenol	10	UG/L	U	U		10	1
	Pyrene	1	UG/L	U	U		1	1

Station: 7J-SB-35
Sample ID: 7J43521 Media: Groundwater Depth: 11 - 15 FT
Date Collected: 01/30/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201968
SW846 8260B	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201968
SW846 8270C	1,2,4-Trichlorobenzene	10	UG/L	U	U		10	1
	1,2-Dichlorobenzene	10	UG/L	U	U		10	1
	1,3-Dichlorobenzene	10	UG/L	U	U		10	1
	1,4-Dichlorobenzene	10	UG/L	U	U		10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U		10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U		10	1
	2,4-Dichlorophenol	10	UG/L	U	U		10	1
	2,4-Dimethylphenol	10	UG/L	U	U		10	1
	2,4-Dinitrophenol	20	UG/L	U	U		20	1
	2,4-Dinitrotoluene	10	UG/L	U	U		10	1
	2,6-Dinitrotoluene	10	UG/L	U	U		10	1
	2-Chloronaphthalene	1	UG/L	U	U		1	1
	2-Chlorophenol	10	UG/L	U	U		10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U		10	1
	2-Methylnaphthalene	1	UG/L	U	U		1	1
	2-Methylphenol	10	UG/L	U	U		10	1
	2-Nitroaniline	10	UG/L	U	U		10	1
	2-Nitrophenol	10	UG/L	U	U		10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U		10	1
	3-Nitroaniline	10	UG/L	U	U		10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U		10	1
	4-Chloroaniline	10	UG/L	U	U		10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Methylphenol	10	UG/L	U	U		10	1
	4-Nitroaniline	10	UG/L	U	U		10	1
	4-Nitrophenol	10	UG/L	U	UJ	C05	10	1
	Acenaphthene	1	UG/L	U	U		1	1
	Acenaphthylene	1	UG/L	U	U		1	1
	Anthracene	1	UG/L	U	U		1	1
	Benz(a)anthracene	1	UG/L	U	U		1	1
	Benzenemethanol	10	UG/L	U	U		10	1
	Benzo(a)pyrene	1	UG/L	U	U		1	1
	Benzo(b)fluoranthene	1	UG/L	U	U		1	1
	Benzo(ghi)perylene	1	UG/L	U	U		1	1
	Benzo(k)fluoranthene	1	UG/L	U	U		1	1
	Benzoic acid	20	UG/L	U	U		20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U		10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U		10	1

Station: 7J-SB-35
Sample ID: 7J43521 Media: Groundwater Depth: 11 - 15 FT
Date Collected: 01/30/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	201968
SW846 8270C	Bis(2-chloroisopropyl) ether	10	UG/L	U	U		10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U		10	1
	Butyl benzyl phthalate	10	UG/L	U	U		10	1
	Carbazole	1	UG/L	U	U		1	1
	Chrysene	1	UG/L	U	U		1	1
	Di-n-butyl phthalate	10	UG/L	U	U		10	1
	Di-n-octylphthalate	10	UG/L	U	U		10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1
	Dibenzofuran	10	UG/L	U	U		10	1
	Diethyl phthalate	10	UG/L	U	U		10	1
	Dimethyl phthalate	10	UG/L	U	U		10	1
	Diphenylamine	10	UG/L	U	U		10	1
	Fluoranthene	1	UG/L	U	U		1	1
	Fluorene	1	UG/L	U	U		1	1
	Hexachlorobenzene	10	UG/L	U	U		10	1
	Hexachlorobutadiene	10	UG/L	U	U		10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U		10	1
	Hexachloroethane	10	UG/L	U	U		10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1
	Isophorone	10	UG/L	U	U		10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U		10	1
	Naphthalene	1	UG/L	U	U		1	1
	Nitrobenzene	10	UG/L	U	U		10	1
	Pentachlorophenol	10	UG/L	U	U		10	1
	Phenanthrene	1	UG/L	U	U		1	1
	Phenol	10	UG/L	U	U		10	1
	Pyrene	1	UG/L	U	U		1	1

Station: QC
Sample ID: TB0605 Media: Quality Control
Date Collected: 01/28/2008 Field Sample Type: Trip Blank

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201845
SW846 8260	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: QC
Sample ID: TB0606 Media: Quality Control
Date Collected: 01/29/2008 Field Sample Type: Trip Blank

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201875
	Benzene	1	UG/L	U	U		1	1
SW846 8260	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	0.311	UG/L	J	J		1	1
	Xylenes, Total	0.444	UG/L	J	J		1	1

Station: QC
Sample ID: TB0607 Media: Quality Control
Date Collected: 01/30/2008 Field Sample Type: Trip Blank

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
BTEX Compounds	General Engineering Laboratory						SDG No:	201968
SW846 8260B	Benzene	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

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201842, 201845

CHAIN OF CUSTODY RECORD

COC NO.: 27F027

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04-~~9744.300~~ 5831-500

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

	Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS.
01	TJ12681	1/28/08	1418	Soil	X	X	2	109 ppm	1.6-3.3 Ft
02	TJ12682	1/28/08	1434	Soil	X	X	2	145 ppm	8.0-9.0 Ft
03	TJ12631	1/28/08	1434	Soil	X	X	2	145 ppm	Duplicate
	TJ42611	1/28/08	1502	GW	X	X	4	N/A	
04	TJ12781	1/28/08	1533	Soil	X	X	2	0.0 ppm	5.9-7.8 Ft
05	TJ12782	1/28/08	1538	Soil	X	X	2	0.0 ppm	8.0-9.8 Ft
125	TJ42711	1/28/08	1600	GW	X	X	4	N/A	
	TB0605	01/28/08	1100	GW	X		2		

WHP

RELINQUISHED BY: Wayne H. Parker	Date/Time 01/29/08 1145	RECEIVED BY: P. Nent	Date/Time 1/29/08 15:05	TOTAL NUMBER OF CONTAINERS: 20	Cooler Temperature:
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID:	FEDEX NUMBER:
RECEIVED BY: Ben Watts	Date/Time 01/29/08 1145	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Ben Watts	Date/Time 01/29/08 1505	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			

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CHAIN OF CUSTODY RECORD

201875
201876

COC NO.: 27F028

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04 ~~9744-300~~ 5831-500

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843) 556-8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J12851	1/29/08	0901	QA	X	X	4	N/A	Eq. Rinsate
7J12881	1/29/08	0928	Soil	X	X	2	1.1 ppm	1.8-3.6 ft
7J12882	1/29/08	0941	Soil	X	X	2	152 ppm	8.0-9.9 ft
7J42811	1/29/08	1009	GW	X	X	4	N/A	
7J12981	1/29/08	1053	Soil	X	X	2	0.0 ppm	5.7-7.5 ft
7J12982	1/29/08	1101	Soil	X	X	2	0.0 ppm	8.0-9.2 ft
7J12931	1/29/08	1053	Soil	X	X	2	0.0 ppm	Duplicate
7J42911	1/29/08	1203	GW	X	X	4	N/A	
7J13081	1/29/08	1232	Soil	X	X	2	5.3 ppm	1.7-3.5 ft
7J13082	1/29/08	1238	Soil	X	X	2	0.0 ppm	8.0-9.4 ft
7J43011	1/29/08	1258	GW	X	X	4	N/A	
7J13181	1/29/08	1329	Soil	X	X	2	3.0 ppm	2.1-3.4 ft
7J13182	1/29/08	1333	Soil	X	X	2	0.3 ppm	5.6-7.2 ft

	Date/Time		Date/Time		
RELINQUISHED BY: Wayne H. Parker	01/30/08 1200	RECEIVED BY:		TOTAL NUMBER OF CONTAINERS: See pg. 2	Cooler Temperature:
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID:	FEDEX NUMBER:
RECEIVED BY:	01/30/08 1200	RELINQUISHED BY:			
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY:	01/30/08 1740	RECEIVED BY: Patricia Kent	1/30/08 14:45		
COMPANY NAME: GEL		COMPANY NAME: GEL			

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CHAIN OF CUSTODY RECORD

COC NO.: 27F028

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04 ~~9744-300~~ 5831-500

PROJECT MANAGER: Jeff Longaker

Sampler (Signature) (Printed Name)

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod Charleston, SC 29407

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
7J43111	1/29/08	1355	GW	X	X	4	N/A	
7J13281	1/29/08	1438	Soil	X	X	2	1.8 ppm	2.1-3.6 ft
7J13282	1/29/08	1447	Soil	X	X	2	59.4 ppm	5.8-7.7 ft
7J43211	1/29/08	1516	GW	X	X	4	N/A	
7J43221	1/29/08	1516	GW	X	X	4	N/A	Duplicate
7J43341	1/29/08	1537	QA	X	X	4	N/A	Eq. Rinsate
7J13381	1/29/08	1551	Soil	X	X	2	2.9 ppm	2.2-3.8 ft
7J13382	1/29/08	1601	Soil	X	X	2	141 ppm	8.0-9.8 ft
7J43311	1/29/08	1623	GW	X	X	4	N/A	
TB0606	01/29/08	0730	GW	X		2		

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 62	Cooler Temperature:
COMPANY NAME: SAIC	01/30/08 1200	COMPANY NAME: G.E.L.	1/30/08 14:45	Cooler ID: 64 WMP 01/29/08	FEDEX NUMBER:
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time		
COMPANY NAME:	01/30/08 1200	COMPANY NAME:			
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time		
COMPANY NAME:	01/30/08 1700	COMPANY NAME:			

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201967% **CHAIN OF CUSTODY RECORD** 201968%

COC NO.: 27F029

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04-~~9741-300~~ 5831-500

PROJECT MANAGER: Jeff Longaker

Sampler (Signature) Wayne H. Parker **(Printed Name)** WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

	Sample ID	Date Collected	Time Collected	Matrix	BTEX	SVOC	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
.1	7J13481	1/30/08	0920	Soil	X	X	2	102 ppm	5.6-7.2 ft
.1	7J13482	1/30/08	0928	Soil	X	X	2	30 ppm	8.4-9.6 ft
.2	7J43411	1/30/08	0950	GW	X	X	4	N/A	
.1	7J13581	1/30/08	1025	Soil	X	X	2	9.7 ppm	0.6-2.7 ft
.1	7J13582	1/30/08	1324	Soil	X	X	2	0.0 ppm	9.5-11.0 ft
.2	7J43511	1/30/08	1350	GW	X	X	4	N/A	
.2	7J43521	1/30/08	1350	GW	X	X	4	N/A	
.3	7J13464	1/29/08	0900	QA	X		2		Trip Blank

C-128.5

REQUESTED PARAMETERS

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 22	Cooler Temperature:
Wayne H. Parker	01/31/08 1112	Mellie Smith	1-31-08 1435	Cooler ID:	FEDEX NUMBER:
COMPANY NAME: SAIC		COMPANY NAME: GEL			
RECEIVED BY: Ben Waddell	Date/Time 01/31/08 1112	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Ben Waddell	Date/Time 01/31/08 1435	RECEIVED BY:	Date/Time		
COMPANY NAME: Gel		COMPANY NAME:			

ANALYTICAL SOIL RESULTS AND CHAIN-OF-CUSTODY FORMS

APRIL 2008

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Station: 7J-SS-03
Sample ID: 7J7311 Media: Surface Soil
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207779
SW846 8270C	1,2,4-Trichlorobenzene	356	UG/KG	U	U		356	1
	1,2-Dichlorobenzene	356	UG/KG	U	U		356	1
	1,3-Dichlorobenzene	356	UG/KG	U	U		356	1
	1,4-Dichlorobenzene	356	UG/KG	U	U		356	1
	2,4,5-Trichlorophenol	356	UG/KG	U	U		356	1
	2,4,6-Trichlorophenol	356	UG/KG	U	U		356	1
	2,4-Dichlorophenol	356	UG/KG	U	U		356	1
	2,4-Dimethylphenol	356	UG/KG	U	U		356	1
	2,4-Dinitrophenol	712	UG/KG	U	U		712	1
	2,4-Dinitrotoluene	356	UG/KG	U	U		356	1
	2,6-Dinitrotoluene	356	UG/KG	U	U		356	1
	2-Chloronaphthalene	35.6	UG/KG	U	U		35.6	1
	2-Chlorophenol	356	UG/KG	U	U		356	1
	2-Methyl-4,6-dinitrophenol	356	UG/KG	U	U		356	1
	2-Methylnaphthalene	35.6	UG/KG	U	U		35.6	1
	2-Methylphenol	356	UG/KG	U	U		356	1
	2-Nitroaniline	356	UG/KG	U	U		356	1
	2-Nitrophenol	356	UG/KG	U	U		356	1
	3,3'-Dichlorobenzidine	356	UG/KG	U	U		356	1
	3-Nitroaniline	356	UG/KG	U	U		356	1
	4-Bromophenyl phenyl ether	356	UG/KG	U	U		356	1
	4-Chloro-3-methylphenol	356	UG/KG	U	U		356	1
	4-Chloroaniline	356	UG/KG	U	U		356	1
	4-Chlorophenyl phenyl ether	356	UG/KG	U	U		356	1
	4-Methylphenol	356	UG/KG	U	U		356	1
	4-Nitroaniline	356	UG/KG	U	U		356	1
	4-Nitrophenol	356	UG/KG	U	U		356	1
	Acenaphthene	35.6	UG/KG	U	U		35.6	1
	Acenaphthylene	35.6	UG/KG	U	U		35.6	1
	Anthracene	35.6	UG/KG	U	U		35.6	1
	Benz(a)anthracene	35.6	UG/KG	U	U		35.6	1
	Benzenemethanol	356	UG/KG	U	U		356	1
	Benzo(a)pyrene	52	UG/KG		=		35.6	1
	Benzo(b)fluoranthene	13.1	UG/KG	J	J		35.6	1
	Benzo(ghi)perylene	35.6	UG/KG	U	U		35.6	1
	Benzo(k)fluoranthene	35.6	UG/KG	U	U		35.6	1
	Benzoic acid	712	UG/KG	U	U		712	1
	Bis(2-chloroethoxy)methane	356	UG/KG	U	U		356	1
	Bis(2-chloroethyl) ether	356	UG/KG	U	U		356	1
	Bis(2-chloroisopropyl) ether	356	UG/KG	U	U		356	1
	Bis(2-ethylhexyl)phthalate	178	UG/KG	U	U		178	1
	Butyl benzyl phthalate	356	UG/KG	U	U		356	1
	Carbazole	35.6	UG/KG	U	U		35.6	1
	Chrysene	35.6	UG/KG	U	U		35.6	1
	Di-n-butyl phthalate	356	UG/KG	U	U		356	1
	Di-n-octylphthalate	356	UG/KG	U	U		356	1
	Dibenz(a,h)anthracene	35.6	UG/KG	U	U		35.6	1
	Dibenzofuran	356	UG/KG	U	U		356	1
	Diethyl phthalate	356	UG/KG	U	U		356	1
	Dimethyl phthalate	356	UG/KG	U	U		356	1
	Diphenylamine	356	UG/KG	U	U		356	1
	Fluoranthene	35.6	UG/KG	U	U		35.6	1
	Fluorene	35.6	UG/KG	U	U		35.6	1
	Hexachlorobenzene	356	UG/KG	U	U		356	1
	Hexachlorobutadiene	356	UG/KG	U	U		356	1
	Hexachlorocyclopentadiene	356	UG/KG	U	U		356	1

Station: 7J-SS-03
Sample ID: 7J7311 Media: Surface Soil
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207779
SW846 8270C	Hexachloroethane	356	UG/KG	U	U		356	1
	Indeno(1,2,3-cd)pyrene	35.6	UG/KG	U	U		35.6	1
	Isophorone	356	UG/KG	U	U		356	1
	N-Nitroso-di-n-propylamine	356	UG/KG	U	U		356	1
	Naphthalene	35.6	UG/KG	U	U		35.6	1
	Nitrobenzene	356	UG/KG	U	U		356	1
	Pentachlorophenol	356	UG/KG	U	U		356	1
	Phenanthrene	35.6	UG/KG	U	U		35.6	1
	Phenol	356	UG/KG	U	U		356	1
	Pyrene	35.6	UG/KG	U	U		35.6	1

Station: 7J-SS-04
Sample ID: 7J7411 Media: Surface Soil
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207779
	1,2,4-Trichlorobenzene	348	UG/KG	U	U		348	1
SW846 8270C	1,2-Dichlorobenzene	348	UG/KG	U	U		348	1
	1,3-Dichlorobenzene	348	UG/KG	U	U		348	1
	1,4-Dichlorobenzene	348	UG/KG	U	U		348	1
	2,4,5-Trichlorophenol	348	UG/KG	U	U		348	1
	2,4,6-Trichlorophenol	348	UG/KG	U	U		348	1
	2,4-Dichlorophenol	348	UG/KG	U	U		348	1
	2,4-Dimethylphenol	348	UG/KG	U	U		348	1
	2,4-Dinitrophenol	696	UG/KG	U	U		696	1
	2,4-Dinitrotoluene	348	UG/KG	U	U		348	1
	2,6-Dinitrotoluene	348	UG/KG	U	U		348	1
	2-Chloronaphthalene	34.8	UG/KG	U	U		34.8	1
	2-Chlorophenol	348	UG/KG	U	U		348	1
	2-Methyl-4,6-dinitrophenol	348	UG/KG	U	U		348	1
	2-Methylnaphthalene	34.8	UG/KG	U	U		34.8	1
	2-Methylphenol	348	UG/KG	U	U		348	1
	2-Nitroaniline	348	UG/KG	U	U		348	1
	2-Nitrophenol	348	UG/KG	U	U		348	1
	3,3'-Dichlorobenzidine	348	UG/KG	U	U		348	1
	3-Nitroaniline	348	UG/KG	U	U		348	1
	4-Bromophenyl phenyl ether	348	UG/KG	U	U		348	1
	4-Chloro-3-methylphenol	348	UG/KG	U	U		348	1
	4-Chloroaniline	348	UG/KG	U	U		348	1
	4-Chlorophenyl phenyl ether	348	UG/KG	U	U		348	1
	4-Methylphenol	348	UG/KG	U	U		348	1
	4-Nitroaniline	348	UG/KG	U	U		348	1
	4-Nitrophenol	348	UG/KG	U	U		348	1
	Acenaphthene	34.8	UG/KG	U	U		34.8	1
	Acenaphthylene	34.8	UG/KG	U	U		34.8	1
	Anthracene	34.8	UG/KG	U	U		34.8	1
	Benz(a)anthracene	34.8	UG/KG	U	U		34.8	1
	Benzenemethanol	348	UG/KG	U	U		348	1
	Benzo(a)pyrene	34.8	UG/KG	U	U		34.8	1
	Benzo(b)fluoranthene	34.8	UG/KG	U	U		34.8	1
	Benzo(ghi)perylene	34.8	UG/KG	U	U		34.8	1
	Benzo(k)fluoranthene	34.8	UG/KG	U	U		34.8	1

Station: 7J-SS-04
Sample ID: 7J7411 Media: Surface Soil
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207779
SW846 8270C	Benzoic acid	696	UG/KG	U	U		696	1
	Bis(2-chloroethoxy)methane	348	UG/KG	U	U		348	1
	Bis(2-chloroethyl) ether	348	UG/KG	U	U		348	1
	Bis(2-chloroisopropyl) ether	348	UG/KG	U	U		348	1
	Bis(2-ethylhexyl)phthalate	174	UG/KG	U	U		174	1
	Butyl benzyl phthalate	348	UG/KG	U	U		348	1
	Carbazole	34.8	UG/KG	U	U		34.8	1
	Chrysene	34.8	UG/KG	U	U		34.8	1
	Di-n-butyl phthalate	348	UG/KG	U	U		348	1
	Di-n-octylphthalate	348	UG/KG	U	U		348	1
	Dibenz(a,h)anthracene	34.8	UG/KG	U	U		34.8	1
	Dibenzofuran	348	UG/KG	U	U		348	1
	Diethyl phthalate	348	UG/KG	U	U		348	1
	Dimethyl phthalate	348	UG/KG	U	U		348	1
	Diphenylamine	348	UG/KG	U	U		348	1
	Fluoranthene	34.8	UG/KG	U	U		34.8	1
	Fluorene	34.8	UG/KG	U	U		34.8	1
	Hexachlorobenzene	348	UG/KG	U	U		348	1
	Hexachlorobutadiene	348	UG/KG	U	U		348	1
	Hexachlorocyclopentadiene	348	UG/KG	U	U		348	1
	Hexachloroethane	348	UG/KG	U	U		348	1
	Indeno(1,2,3-cd)pyrene	34.8	UG/KG	U	U		34.8	1
	Isophorone	348	UG/KG	U	U		348	1
	N-Nitroso-di-n-propylamine	348	UG/KG	U	U		348	1
	Naphthalene	34.8	UG/KG	U	U		34.8	1
	Nitrobenzene	348	UG/KG	U	U		348	1
	Pentachlorophenol	348	UG/KG	U	U		348	1
	Phenanthrene	34.8	UG/KG	U	U		34.8	1
	Phenol	348	UG/KG	U	U		348	1
	Pyrene	34.8	UG/KG	U	U		34.8	1

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CHAIN OF CUSTODY RECORD

COC NO.: 27F027

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC	Methane	Carbon Dioxide	Nitrate, Nitrite, Sulfate	Sulfide	Total Iron	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
TB0608 1	04/29/08	0730	WATER	2							2		
7J4975 2	04/29/08	1215	WATER	2	2	2	1	1	1	1	10		
7J4175 3	04/29/08	1645	WATER	2	2	2	1	1	1	1	10		
7J4D75 4	04/30/08	1125	WATER	2	2	2	1	1	1	1	10		
7J4A75 5	04/30/08	1635	WATER	2	2	2	1	1	1	1	10		
7J4575 6	04/29/08	1200	WATER	2	2	2	1	1	1	1	10		
7J4675 7	04/29/08	1630	WATER	2	2	2	1	1	1	1	10		
7J4375 8	04/30/08	1130	WATER	2	2	2	1	1	1	1	10		
7J4F45 9	04/30/08	~~1000~~ 0800	WATER	2	2	2	1	1	1	1	10		
7J4F75 10	04/30/08	1100	WATER	2	2	2	1	1	1	1	10		
7J4E75 11	04/30/08	1500	WATER	2	2	2	1	1	1	1	10		
7J4775 12	04/30/08	1530	WATER	2	2	2	1	1	1	1	10		
7J4H75 13	05/01/08	1100	WATER	2	2	2	1	1	1	1	10		

WHP 05/01/08

C-134

RELINQUISHED BY:	Date/Time 05/02/08 1030	RECEIVED BY:	Date/Time 05/02/08 1351	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature:
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID:	FEDEX NUMBER:
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Ben Wattkins	Date/Time 05/02/08 1351	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			

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CHAIN OF CUSTODY RECORD

COC NO.: 27F027

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): [signature] (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC	Methane	Carbon Dioxide	Nitrate, Nitrite, Sulfate	Sulfide	Total Iron	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS.
7J4J75 14	05/01/08	1130	WATER	2	2	2	1	1	1	1	10		
7J4J25 15	05/01/08	1130	WATER	2	2	2	1	1	1	1	10		
7J4476 16	05/01/08	1500	WATER	2	2	2	1	1	1	1	10		
7J4425 17	05/01/08	1500	WATER	2	2	2	1	1	1	1	10		
7J4475 18	05/01/08	1530	WATER	2	2	2	1	1	1	1	10		
7J7311	05/01/08	1415	SOIL		1						1		
7J7411	05/01/08	1430	SOIL		1						1		

WHO 05/02/08

REQUESTED PARAMETERS

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
[signature]	05/02/08	[signature]	5/2/08
COMPANY NAME: SAIC	10:30	COMPANY NAME: GEL	1351
RECEIVED BY: [signature]	Date/Time 05/02/08	RELINQUISHED BY:	Date/Time
COMPANY NAME: GEL	10:30	COMPANY NAME:	
RELINQUISHED BY: Ben Watts	Date/Time 05/02/08	RECEIVED BY:	Date/Time
COMPANY NAME: GEL	1351	COMPANY NAME:	

TOTAL NUMBER OF CONTAINERS: 174

Cooler ID:

Cooler Temperature:

FEDEX NUMBER:

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ANALYTICAL GROUNDWATER RESULTS AND CHAIN-OF-CUSTODY FORMS

APRIL 2008

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Station: 7J-MW-01
Sample ID: 7J4175 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	0.822	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	0.725	MG/L	U	U		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	3180	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	6.59	UG/L	HJ	J	A03,A05	25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	0.98	UG/L	U	U		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1
	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1
	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	0.98	UG/L	U	U		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	Anthracene	0.98	UG/L	U	U		0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1
	Carbazole	0.98	UG/L	U	U		0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1

Station: 7J-MW-01
Sample ID: 7J4175 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1
	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	0.98	UG/L	U	U		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	0.98	UG/L	U	U		0.98	1
	Nitrobenzene	9.8	UG/L	U	U		9.8	1
	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	0.98	UG/L	U	U		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1

Station: 7J-MW-01
Sample ID: 7J4175 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: 7J-MW-03
Sample ID: 7J4375 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	0.511	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	0.725	MG/L	U	U		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	415	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	18.9	UG/L	J	J		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,2-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,3-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,4-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	2,4,5-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4,6-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dimethylphenol	9.71	UG/L	U	U		9.71	1
	2,4-Dinitrophenol	19.4	UG/L	U	U		19.4	1
	2,4-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2,6-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2-Chloronaphthalene	0.971	UG/L	U	U		0.971	1
	2-Chlorophenol	9.71	UG/L	U	U		9.71	1
	2-Methyl-4,6-dinitrophenol	9.71	UG/L	U	U		9.71	1
	2-Methylnaphthalene	0.971	UG/L	U	U		0.971	1
	2-Methylphenol	9.71	UG/L	U	U		9.71	1
	2-Nitroaniline	9.71	UG/L	U	U		9.71	1
	2-Nitrophenol	9.71	UG/L	U	U		9.71	1
	3,3'-Dichlorobenzidine	9.71	UG/L	U	U		9.71	1
	3-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Bromophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Chloro-3-methylphenol	9.71	UG/L	U	U		9.71	1
	4-Chloroaniline	9.71	UG/L	U	U		9.71	1
	4-Chlorophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Methylphenol	9.71	UG/L	U	U		9.71	1
	4-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Nitrophenol	9.71	UG/L	U	U		9.71	1
	Acenaphthene	0.971	UG/L	U	U		0.971	1
	Acenaphthylene	0.971	UG/L	U	U		0.971	1
	Anthracene	0.971	UG/L	U	U		0.971	1
	Benz(a)anthracene	0.971	UG/L	U	U		0.971	1
	Benzenemethanol	9.71	UG/L	U	U		9.71	1

Station: 7J-MW-03
Sample ID: 7J4375 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Benzo(a)pyrene	0.971	UG/L	U	U		0.971	1
	Benzo(b)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzo(ghi)perylene	0.971	UG/L	U	U		0.971	1
	Benzo(k)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzoic acid	19.4	UG/L	U	U		19.4	1
	Bis(2-chloroethoxy)methane	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroethyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroisopropyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-ethylhexyl)phthalate	9.71	UG/L	U	U		9.71	1
	Butyl benzyl phthalate	9.71	UG/L	U	U		9.71	1
	Carbazole	0.971	UG/L	U	U		0.971	1
	Chrysene	0.971	UG/L	U	U		0.971	1
	Di-n-butyl phthalate	9.71	UG/L	U	U		9.71	1
	Di-n-octylphthalate	9.71	UG/L	U	U		9.71	1
	Dibenz(a,h)anthracene	0.971	UG/L	U	U		0.971	1
	Dibenzofuran	9.71	UG/L	U	U		9.71	1
	Diethyl phthalate	9.71	UG/L	U	U		9.71	1
	Dimethyl phthalate	9.71	UG/L	U	U		9.71	1
	Diphenylamine	9.71	UG/L	U	U		9.71	1
	Fluoranthene	0.971	UG/L	U	U		0.971	1
	Fluorene	0.971	UG/L	U	U		0.971	1
	Hexachlorobenzene	9.71	UG/L	U	U		9.71	1
	Hexachlorobutadiene	9.71	UG/L	U	U		9.71	1
	Hexachlorocyclopentadiene	9.71	UG/L	U	U		9.71	1
	Hexachloroethane	9.71	UG/L	U	U		9.71	1
	Indeno(1,2,3-cd)pyrene	0.971	UG/L	U	U		0.971	1
	Isophorone	9.71	UG/L	U	U		9.71	1
	N-Nitroso-di-n-propylamine	9.71	UG/L	U	U		9.71	1
	Naphthalene	0.987	UG/L		=		0.971	1
	Nitrobenzene	9.71	UG/L	U	U		9.71	1
	Pentachlorophenol	9.71	UG/L	U	U		9.71	1
	Phenanthrene	0.971	UG/L	U	U		0.971	1
	Phenol	9.71	UG/L	U	U		9.71	1
	Pyrene	0.971	UG/L	U	U		0.971	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1

Station: 7J-MW-03
Sample ID: 7J4375 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: 7J-MW-04
Sample ID: 7J4425 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	1.47	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	208	MG/L		=		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	5760	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	52.6	UG/L		=		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	10	UG/L	U	U		10	1
	1,2-Dichlorobenzene	10	UG/L	U	U		10	1
	1,3-Dichlorobenzene	10	UG/L	U	U		10	1
	1,4-Dichlorobenzene	10	UG/L	U	U		10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U		10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U		10	1
	2,4-Dichlorophenol	10	UG/L	U	U		10	1
	2,4-Dimethylphenol	10	UG/L	U	U		10	1
	2,4-Dinitrophenol	20	UG/L	U	U		20	1
	2,4-Dinitrotoluene	10	UG/L	U	U		10	1
	2,6-Dinitrotoluene	10	UG/L	U	U		10	1
	2-Chloronaphthalene	1	UG/L	U	U		1	1
	2-Chlorophenol	10	UG/L	U	U		10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U		10	1
	2-Methylnaphthalene	0.532	UG/L	J	J		1	1
	2-Methylphenol	10	UG/L	U	U		10	1
	2-Nitroaniline	10	UG/L	U	U		10	1
	2-Nitrophenol	10	UG/L	U	U		10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U		10	1
	3-Nitroaniline	10	UG/L	U	U		10	1

Station: 7J-MW-04
Sample ID: 7J4425 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	4-Bromophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U		10	1
	4-Chloroaniline	10	UG/L	U	U		10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Methylphenol	10	UG/L	U	U		10	1
	4-Nitroaniline	10	UG/L	U	U		10	1
	4-Nitrophenol	10	UG/L	U	U		10	1
	Acenaphthene	0.484	UG/L	J	J		1	1
	Acenaphthylene	1	UG/L	U	U		1	1
	Anthracene	1	UG/L	U	U		1	1
	Benz(a)anthracene	1	UG/L	U	U		1	1
	Benzenemethanol	10	UG/L	U	U		10	1
	Benzo(a)pyrene	1	UG/L	U	U		1	1
	Benzo(b)fluoranthene	1	UG/L	U	U		1	1
	Benzo(ghi)perylene	1	UG/L	U	U		1	1
	Benzo(k)fluoranthene	1	UG/L	U	U		1	1
	Benzoic acid	20	UG/L	U	U		20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U		10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U		10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U		10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U		10	1
	Butyl benzyl phthalate	10	UG/L	U	U		10	1
	Carbazole	0.692	UG/L	J	J		1	1
	Chrysene	1	UG/L	U	U		1	1
	Di-n-butyl phthalate	10	UG/L	U	U		10	1
	Di-n-octylphthalate	10	UG/L	U	U		10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1
	Dibenzofuran	10	UG/L	U	U		10	1
	Diethyl phthalate	10	UG/L	U	U		10	1
	Dimethyl phthalate	10	UG/L	U	U		10	1
	Diphenylamine	10	UG/L	U	U		10	1
	Fluoranthene	1	UG/L	U	U		1	1
	Fluorene	0.742	UG/L	J	J		1	1
	Hexachlorobenzene	10	UG/L	U	U		10	1
	Hexachlorobutadiene	10	UG/L	U	U		10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U		10	1
	Hexachloroethane	10	UG/L	U	U		10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1
	Isophorone	10	UG/L	U	U		10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U		10	1
	Naphthalene	4.99	UG/L		=		1	1
	Nitrobenzene	10	UG/L	U	U		10	1
	Pentachlorophenol	10	UG/L	U	U		10	1
	Phenanthrene	1.61	UG/L		=		1	1
	Phenol	10	UG/L	U	U		10	1
	Pyrene	1	UG/L	U	U		1	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	0.597	UG/L	J	J		1	1

Station: 7J-MW-04
Sample ID: 7J4425 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1.03	UG/L		=		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	0.523	UG/L	J	J		1	1

Station: 7J-MW-04
Sample ID: 7J4475 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	1.54	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	193	MG/L		=		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	5940	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	64.9	UG/L		=		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,2-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,3-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,4-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	2,4,5-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4,6-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dimethylphenol	9.62	UG/L	U	U		9.62	1
	2,4-Dinitrophenol	19.2	UG/L	U	U		19.2	1
	2,4-Dinitrotoluene	9.62	UG/L	U	U		9.62	1

Station: 7J-MW-04
Sample ID: 7J4475 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	2,6-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2-Chloronaphthalene	0.962	UG/L	U	U		0.962	1
	2-Chlorophenol	9.62	UG/L	U	U		9.62	1
	2-Methyl-4,6-dinitrophenol	9.62	UG/L	U	U		9.62	1
	2-Methylnaphthalene	0.735	UG/L	J	J		0.962	1
	2-Methylphenol	9.62	UG/L	U	U		9.62	1
	2-Nitroaniline	9.62	UG/L	U	U		9.62	1
	2-Nitrophenol	9.62	UG/L	U	U		9.62	1
	3,3'-Dichlorobenzidine	9.62	UG/L	U	U		9.62	1
	3-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Bromophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Chloro-3-methylphenol	9.62	UG/L	U	U		9.62	1
	4-Chloroaniline	9.62	UG/L	U	U		9.62	1
	4-Chlorophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Methylphenol	9.62	UG/L	U	U		9.62	1
	4-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Nitrophenol	9.62	UG/L	U	U		9.62	1
	Acenaphthene	0.609	UG/L	J	J		0.962	1
	Acenaphthylene	0.962	UG/L	U	U		0.962	1
	Anthracene	0.201	UG/L	J	J		0.962	1
	Benz(a)anthracene	0.962	UG/L	U	U		0.962	1
	Benzenemethanol	9.62	UG/L	U	U		9.62	1
	Benzo(a)pyrene	0.962	UG/L	U	U		0.962	1
	Benzo(b)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzo(ghi)perylene	0.962	UG/L	U	U		0.962	1
	Benzo(k)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzoic acid	19.2	UG/L	U	U		19.2	1
	Bis(2-chloroethoxy)methane	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroethyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroisopropyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-ethylhexyl)phthalate	9.62	UG/L	U	U		9.62	1
	Butyl benzyl phthalate	9.62	UG/L	U	U		9.62	1
	Carbazole	0.789	UG/L	J	J		0.962	1
	Chrysene	0.962	UG/L	U	U		0.962	1
	Di-n-butyl phthalate	9.62	UG/L	U	U		9.62	1
	Di-n-octylphthalate	9.62	UG/L	U	U		9.62	1
	Dibenz(a,h)anthracene	0.962	UG/L	U	U		0.962	1
	Dibenzofuran	9.62	UG/L	U	U		9.62	1
	Diethyl phthalate	9.62	UG/L	U	U		9.62	1
	Dimethyl phthalate	9.62	UG/L	U	U		9.62	1
	Diphenylamine	9.62	UG/L	U	U		9.62	1
	Fluoranthene	0.962	UG/L	U	U		0.962	1
	Fluorene	0.949	UG/L	J	J		0.962	1
	Hexachlorobenzene	9.62	UG/L	U	U		9.62	1
	Hexachlorobutadiene	9.62	UG/L	U	U		9.62	1
	Hexachlorocyclopentadiene	9.62	UG/L	U	U		9.62	1
	Hexachloroethane	9.62	UG/L	U	U		9.62	1
	Indeno(1,2,3-cd)pyrene	0.962	UG/L	U	U		0.962	1
	Isophorone	9.62	UG/L	U	U		9.62	1
	N-Nitroso-di-n-propylamine	9.62	UG/L	U	U		9.62	1
	Naphthalene	6.92	UG/L		=		0.962	1
	Nitrobenzene	9.62	UG/L	U	U		9.62	1
	Pentachlorophenol	9.62	UG/L	U	U		9.62	1
	Phenanthrene	1.79	UG/L		=		0.962	1
	Phenol	9.62	UG/L	U	U		9.62	1
	Pyrene	0.962	UG/L	U	U		0.962	1

Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	0.631	UG/L	J	J		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	0.988	UG/L	J	J		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	0.488	UG/L	J	J		1	1

Station: 7J-MW-05
Sample ID: 7J4575 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	0.38	MG/L	J	J		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	0.725	MG/L	U	U		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	555	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	30.3	UG/L	H	J	A03,A05	25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,2-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,3-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,4-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	2,4,5-Trichlorophenol	9.71	UG/L	U	U		9.71	1

Station: 7J-MW-05
Sample ID: 7J4575 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	2,4,6-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dimethylphenol	9.71	UG/L	U	U		9.71	1
	2,4-Dinitrophenol	19.4	UG/L	U	U		19.4	1
	2,4-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2,6-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2-Chloronaphthalene	0.971	UG/L	U	U		0.971	1
	2-Chlorophenol	9.71	UG/L	U	U		9.71	1
	2-Methyl-4,6-dinitrophenol	9.71	UG/L	U	U		9.71	1
	2-Methylnaphthalene	0.971	UG/L	U	U		0.971	1
	2-Methylphenol	9.71	UG/L	U	U		9.71	1
	2-Nitroaniline	9.71	UG/L	U	U		9.71	1
	2-Nitrophenol	9.71	UG/L	U	U		9.71	1
	3,3'-Dichlorobenzidine	9.71	UG/L	U	U		9.71	1
	3-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Bromophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Chloro-3-methylphenol	9.71	UG/L	U	U		9.71	1
	4-Chloroaniline	9.71	UG/L	U	U		9.71	1
	4-Chlorophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Methylphenol	9.71	UG/L	U	U		9.71	1
	4-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Nitrophenol	9.71	UG/L	U	U		9.71	1
	Acenaphthene	0.971	UG/L	U	U		0.971	1
	Acenaphthylene	0.971	UG/L	U	U		0.971	1
	Anthracene	0.971	UG/L	U	U		0.971	1
	Benz(a)anthracene	0.971	UG/L	U	U		0.971	1
	Benzenemethanol	9.71	UG/L	U	U		9.71	1
	Benzo(a)pyrene	0.971	UG/L	U	U		0.971	1
	Benzo(b)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzo(ghi)perylene	0.971	UG/L	U	U		0.971	1
	Benzo(k)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzoic acid	19.4	UG/L	U	U		19.4	1
	Bis(2-chloroethoxy)methane	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroethyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroisopropyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-ethylhexyl)phthalate	9.71	UG/L	U	U		9.71	1
	Butyl benzyl phthalate	9.71	UG/L	U	U		9.71	1
	Carbazole	0.971	UG/L	U	U		0.971	1
	Chrysene	0.971	UG/L	U	U		0.971	1
	Di-n-butyl phthalate	9.71	UG/L	U	U		9.71	1
	Di-n-octylphthalate	9.71	UG/L	U	U		9.71	1
	Dibenz(a,h)anthracene	0.971	UG/L	U	U		0.971	1
	Dibenzofuran	9.71	UG/L	U	U		9.71	1
	Diethyl phthalate	9.71	UG/L	U	U		9.71	1
	Dimethyl phthalate	9.71	UG/L	U	U		9.71	1
	Diphenylamine	9.71	UG/L	U	U		9.71	1
	Fluoranthene	0.971	UG/L	U	U		0.971	1
	Fluorene	0.971	UG/L	U	U		0.971	1
	Hexachlorobenzene	9.71	UG/L	U	U		9.71	1
	Hexachlorobutadiene	9.71	UG/L	U	U		9.71	1
	Hexachlorocyclopentadiene	9.71	UG/L	U	U		9.71	1
	Hexachloroethane	9.71	UG/L	U	U		9.71	1
	Indeno(1,2,3-cd)pyrene	0.971	UG/L	U	U		0.971	1
	Isophorone	9.71	UG/L	U	U		9.71	1
	N-Nitroso-di-n-propylamine	9.71	UG/L	U	U		9.71	1
	Naphthalene	3.02	UG/L		=		0.971	1

Station: 7J-MW-05
Sample ID: 7J4575 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Nitrobenzene	9.71	UG/L	U	U		9.71	1
	Pentachlorophenol	9.71	UG/L	U	U		9.71	1
	Phenanthrene	0.971	UG/L	U	U		0.971	1
	Phenol	9.71	UG/L	U	U		9.71	1
	Pyrene	0.971	UG/L	U	U		0.971	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: 7J-MW-06
Sample ID: 7J4675 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	0.63	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	0.725	MG/L	U	U		0.725	1

Station: 7J-MW-06
Sample ID: 7J4675 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory						SDG No:	207776
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
	Iron	624	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	25	UG/L	HU	UJ	A03,A05	25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,2-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,3-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,4-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	2,4,5-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4,6-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dimethylphenol	9.62	UG/L	U	U		9.62	1
	2,4-Dinitrophenol	19.2	UG/L	U	U		19.2	1
	2,4-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2,6-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2-Chloronaphthalene	0.962	UG/L	U	U		0.962	1
	2-Chlorophenol	9.62	UG/L	U	U		9.62	1
	2-Methyl-4,6-dinitrophenol	9.62	UG/L	U	U		9.62	1
	2-Methylnaphthalene	0.962	UG/L	U	U		0.962	1
	2-Methylphenol	9.62	UG/L	U	U		9.62	1
	2-Nitroaniline	9.62	UG/L	U	U		9.62	1
	2-Nitrophenol	9.62	UG/L	U	U		9.62	1
	3,3'-Dichlorobenzidine	9.62	UG/L	U	U		9.62	1
	3-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Bromophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Chloro-3-methylphenol	9.62	UG/L	U	U		9.62	1
	4-Chloroaniline	9.62	UG/L	U	U		9.62	1
	4-Chlorophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Methylphenol	9.62	UG/L	U	U		9.62	1
	4-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Nitrophenol	9.62	UG/L	U	U		9.62	1
	Acenaphthene	0.962	UG/L	U	U		0.962	1
	Acenaphthylene	0.962	UG/L	U	U		0.962	1
	Anthracene	0.962	UG/L	U	U		0.962	1
	Benz(a)anthracene	0.962	UG/L	U	U		0.962	1
	Benzenemethanol	9.62	UG/L	U	U		9.62	1
	Benzo(a)pyrene	0.962	UG/L	U	U		0.962	1
	Benzo(b)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzo(ghi)perylene	0.962	UG/L	U	U		0.962	1
	Benzo(k)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzoic acid	19.2	UG/L	U	U		19.2	1
	Bis(2-chloroethoxy)methane	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroethyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroisopropyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-ethylhexyl)phthalate	9.62	UG/L	U	U		9.62	1
	Butyl benzyl phthalate	9.62	UG/L	U	U		9.62	1
	Carbazole	0.962	UG/L	U	U		0.962	1
	Chrysene	0.962	UG/L	U	U		0.962	1
	Di-n-butyl phthalate	9.62	UG/L	U	U		9.62	1
	Di-n-octylphthalate	9.62	UG/L	U	U		9.62	1
	Dibenz(a,h)anthracene	0.962	UG/L	U	U		0.962	1
	Dibenzofuran	9.62	UG/L	U	U		9.62	1
	Diethyl phthalate	9.62	UG/L	U	U		9.62	1

Station: 7J-MW-06
Sample ID: 7J4675 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Dimethyl phthalate	9.62	UG/L	U	U		9.62	1
	Diphenylamine	9.62	UG/L	U	U		9.62	1
	Fluoranthene	0.962	UG/L	U	U		0.962	1
	Fluorene	0.962	UG/L	U	U		0.962	1
	Hexachlorobenzene	9.62	UG/L	U	U		9.62	1
	Hexachlorobutadiene	9.62	UG/L	U	U		9.62	1
	Hexachlorocyclopentadiene	9.62	UG/L	U	U		9.62	1
	Hexachloroethane	9.62	UG/L	U	U		9.62	1
	Indeno(1,2,3-cd)pyrene	0.962	UG/L	U	U		0.962	1
	Isophorone	9.62	UG/L	U	U		9.62	1
	N-Nitroso-di-n-propylamine	9.62	UG/L	U	U		9.62	1
	Naphthalene	0.338	UG/L	J	J		0.962	1
	Nitrobenzene	9.62	UG/L	U	U		9.62	1
	Pentachlorophenol	9.62	UG/L	U	U		9.62	1
	Phenanthrene	0.962	UG/L	U	U		0.962	1
	Phenol	9.62	UG/L	U	U		9.62	1
	Pyrene	0.962	UG/L	U	U		0.962	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: 7J-MW-07
Sample ID: 7J4775 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.146	MG/L		=		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	0.1	MG/L	U	U		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	165	MG/L		=		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	8520	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	156	UG/L		=		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	0.513	UG/L	J	J		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1
	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1
	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	0.98	UG/L	U	U		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	Anthracene	0.98	UG/L	U	U		0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1

Station: 7J-MW-07
Sample ID: 7J4775 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Carbazole	0.356	UG/L	J	J		0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1
	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	0.98	UG/L	U	U		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	1.83	UG/L		=		0.98	1
	Nitrobenzene	9.8	UG/L	U	U		9.8	1
	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	0.98	UG/L	U	U		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	7.24	UG/L		=		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	0.936	UG/L	J	J		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1

Station: 7J-MW-07
Sample ID: 7J4775 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	Toluene	1.68	UG/L		=		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1.44	UG/L		=		1	1

Station: 7J-MW-09
Sample ID: 7J4975 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	3.22	MG/L		J	H02	0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	1.45	MG/L	U	U		1.45	1
EPA 376.2	Sulfide	0.03	MG/L	U	UJ	H02	0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	807	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	86.8	UG/L	H	J	A03,A05	25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,2-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,3-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,4-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	2,4,5-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4,6-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dimethylphenol	9.71	UG/L	U	U		9.71	1
	2,4-Dinitrophenol	19.4	UG/L	U	U		19.4	1
	2,4-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2,6-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2-Chloronaphthalene	0.971	UG/L	U	U		0.971	1
	2-Chlorophenol	9.71	UG/L	U	U		9.71	1
	2-Methyl-4,6-dinitrophenol	9.71	UG/L	U	U		9.71	1
	2-Methylnaphthalene	3.74	UG/L		=		0.971	1
	2-Methylphenol	9.71	UG/L	U	U		9.71	1
	2-Nitroaniline	9.71	UG/L	U	U		9.71	1
	2-Nitrophenol	9.71	UG/L	U	U		9.71	1
	3,3'-Dichlorobenzidine	9.71	UG/L	U	U		9.71	1
	3-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Bromophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Chloro-3-methylphenol	9.71	UG/L	U	U		9.71	1
	4-Chloroaniline	9.71	UG/L	U	U		9.71	1
	4-Chlorophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Methylphenol	9.71	UG/L	U	U		9.71	1
	4-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Nitrophenol	9.71	UG/L	U	U		9.71	1
	Acenaphthene	0.971	UG/L	U	U		0.971	1
	Acenaphthylene	0.971	UG/L	U	U		0.971	1
	Anthracene	0.971	UG/L	U	U		0.971	1

Station: 7J-MW-09
Sample ID: 7J4975 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Benz(a)anthracene	0.971	UG/L	U	U		0.971	1
	Benzenemethanol	9.71	UG/L	U	U		9.71	1
	Benzo(a)pyrene	0.971	UG/L	U	U		0.971	1
	Benzo(b)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzo(ghi)perylene	0.971	UG/L	U	U		0.971	1
	Benzo(k)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzoic acid	19.4	UG/L	U	U		19.4	1
	Bis(2-chloroethoxy)methane	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroethyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroisopropyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-ethylhexyl)phthalate	9.71	UG/L	U	U		9.71	1
	Butyl benzyl phthalate	9.71	UG/L	U	U		9.71	1
	Carbazole	1.33	UG/L		=		0.971	1
	Chrysene	0.971	UG/L	U	U		0.971	1
	Di-n-butyl phthalate	9.71	UG/L	U	U		9.71	1
	Di-n-octylphthalate	9.71	UG/L	U	U		9.71	1
	Dibenz(a,h)anthracene	0.971	UG/L	U	U		0.971	1
	Dibenzofuran	9.71	UG/L	U	U		9.71	1
	Diethyl phthalate	9.71	UG/L	U	U		9.71	1
	Dimethyl phthalate	9.71	UG/L	U	U		9.71	1
	Diphenylamine	9.71	UG/L	U	U		9.71	1
	Fluoranthene	0.971	UG/L	U	U		0.971	1
	Fluorene	0.542	UG/L	J	J		0.971	1
	Hexachlorobenzene	9.71	UG/L	U	U		9.71	1
	Hexachlorobutadiene	9.71	UG/L	U	U		9.71	1
	Hexachlorocyclopentadiene	9.71	UG/L	U	U		9.71	1
	Hexachloroethane	9.71	UG/L	U	U		9.71	1
	Indeno(1,2,3-cd)pyrene	0.971	UG/L	U	U		0.971	1
	Isophorone	9.71	UG/L	U	U		9.71	1
	N-Nitroso-di-n-propylamine	9.71	UG/L	U	U		9.71	1
	Naphthalene	6.88	UG/L		=		0.971	1
	Nitrobenzene	9.71	UG/L	U	U		9.71	1
	Pentachlorophenol	9.71	UG/L	U	U		9.71	1
	Phenanthrene	0.698	UG/L	J	J		0.971	1
	Phenol	9.71	UG/L	U	U		9.71	1
	Pyrene	0.971	UG/L	U	U		0.971	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	7.35	UG/L		=		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1

Station: 7J-MW-09
Sample ID: 7J4975 Media: Groundwater
Date Collected: 04/29/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	0.485	UG/L	J	J		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	0.525	UG/L	J	J		1	1

Station: 7J-MW-10
Sample ID: 7J4A75 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	0.431	MG/L		J	H02,J01	0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	0.725	MG/L	U	U		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	1950	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	420	UG/L		=		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,2-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,3-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,4-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	2,4,5-Trichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4,6-Trichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4-Dichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4-Dimethylphenol	9.52	UG/L	U	U		9.52	1
	2,4-Dinitrophenol	19	UG/L	U	U		19	1
	2,4-Dinitrotoluene	9.52	UG/L	U	U		9.52	1
	2,6-Dinitrotoluene	9.52	UG/L	U	U		9.52	1
	2-Chloronaphthalene	0.952	UG/L	U	U		0.952	1
	2-Chlorophenol	9.52	UG/L	U	U		9.52	1
	2-Methyl-4,6-dinitrophenol	9.52	UG/L	U	U		9.52	1
	2-Methylnaphthalene	2.51	UG/L		=		0.952	1
	2-Methylphenol	9.52	UG/L	U	U		9.52	1
	2-Nitroaniline	9.52	UG/L	U	U		9.52	1
	2-Nitrophenol	9.52	UG/L	U	U		9.52	1

Station: 7J-MW-10
Sample ID: 7J4A75 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	3,3'-Dichlorobenzidine	9.52	UG/L	U	U		9.52	1
	3-Nitroaniline	9.52	UG/L	U	U		9.52	1
	4-Bromophenyl phenyl ether	9.52	UG/L	U	U		9.52	1
	4-Chloro-3-methylphenol	9.52	UG/L	U	U		9.52	1
	4-Chloroaniline	9.52	UG/L	U	U		9.52	1
	4-Chlorophenyl phenyl ether	9.52	UG/L	U	U		9.52	1
	4-Methylphenol	9.52	UG/L	U	U		9.52	1
	4-Nitroaniline	9.52	UG/L	U	U		9.52	1
	4-Nitrophenol	9.52	UG/L	U	U		9.52	1
	Acenaphthene	0.952	UG/L	U	U		0.952	1
	Acenaphthylene	0.952	UG/L	U	U		0.952	1
	Anthracene	0.952	UG/L	U	U		0.952	1
	Benz(a)anthracene	0.952	UG/L	U	U		0.952	1
	Benzenemethanol	9.52	UG/L	U	U		9.52	1
	Benzo(a)pyrene	0.952	UG/L	U	U		0.952	1
	Benzo(b)fluoranthene	0.952	UG/L	U	U		0.952	1
	Benzo(ghi)perylene	0.952	UG/L	U	U		0.952	1
	Benzo(k)fluoranthene	0.952	UG/L	U	U		0.952	1
	Benzoic acid	19	UG/L	U	U		19	1
	Bis(2-chloroethoxy)methane	9.52	UG/L	U	U		9.52	1
	Bis(2-chloroethyl) ether	9.52	UG/L	U	U		9.52	1
	Bis(2-chloroisopropyl) ether	9.52	UG/L	U	U		9.52	1
	Bis(2-ethylhexyl)phthalate	9.52	UG/L	U	U		9.52	1
	Butyl benzyl phthalate	9.52	UG/L	U	U		9.52	1
	Carbazole	0.503	UG/L	J	J		0.952	1
	Chrysene	0.952	UG/L	U	U		0.952	1
	Di-n-butyl phthalate	9.52	UG/L	U	U		9.52	1
	Di-n-octylphthalate	9.52	UG/L	U	U		9.52	1
	Dibenz(a,h)anthracene	0.952	UG/L	U	U		0.952	1
	Dibenzofuran	9.52	UG/L	U	U		9.52	1
	Diethyl phthalate	9.52	UG/L	U	U		9.52	1
	Dimethyl phthalate	9.52	UG/L	U	U		9.52	1
	Diphenylamine	9.52	UG/L	U	U		9.52	1
	Fluoranthene	0.952	UG/L	U	U		0.952	1
	Fluorene	0.375	UG/L	J	J		0.952	1
	Hexachlorobenzene	9.52	UG/L	U	U		9.52	1
	Hexachlorobutadiene	9.52	UG/L	U	U		9.52	1
	Hexachlorocyclopentadiene	9.52	UG/L	U	U		9.52	1
	Hexachloroethane	9.52	UG/L	U	U		9.52	1
	Indeno(1,2,3-cd)pyrene	0.952	UG/L	U	U		0.952	1
	Isophorone	9.52	UG/L	U	U		9.52	1
	N-Nitroso-di-n-propylamine	9.52	UG/L	U	U		9.52	1
	Naphthalene	3.05	UG/L		=		0.952	1
	Nitrobenzene	9.52	UG/L	U	U		9.52	1
	Pentachlorophenol	9.52	UG/L	U	U		9.52	1
	Phenanthrene	0.495	UG/L	J	J		0.952	1
	Phenol	9.52	UG/L	U	U		9.52	1
	Pyrene	0.952	UG/L	U	U		0.952	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1

Station: 7J-MW-10
Sample ID: 7J4A75 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	2.16	UG/L		=		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1.57	UG/L		=		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1.75	UG/L		=		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	0.736	UG/L	J	J		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	3.13	UG/L		=		1	1

Station: 7J-MW-13
Sample ID: 7J4D75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	2.16	MG/L		=		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	3.1	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	99.8	MG/L		=		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	503	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	25	UG/L	U	U		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1

Station: 7J-MW-13
Sample ID: 7J4D75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	0.98	UG/L	U	U		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1
	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1
	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	0.98	UG/L	U	U		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	Anthracene	0.98	UG/L	U	U		0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1
	Carbazole	0.98	UG/L	U	U		0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1
	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	0.98	UG/L	U	U		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	0.98	UG/L	U	U		0.98	1
	Nitrobenzene	9.8	UG/L	U	U		9.8	1

Station: 7J-MW-13
Sample ID: 7J4D75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	0.98	UG/L	U	U		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: 7J-MW-14
Sample ID: 7J4E75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	1.43	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	0.725	MG/L	U	U		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1

Inorganics	General Engineering Laboratory					SDG No:	207776
SW846 6010B	Iron	1910	UG/L		=	20	1
Organic Gases	General Engineering Laboratory					SDG No:	207776
SW846 3810	Methane	396	UG/L		=	25	1
Semi-Volatile Organics	General Engineering Laboratory					SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.62	UG/L	U	U	9.62	1
	1,2-Dichlorobenzene	9.62	UG/L	U	U	9.62	1
	1,3-Dichlorobenzene	9.62	UG/L	U	U	9.62	1
	1,4-Dichlorobenzene	9.62	UG/L	U	U	9.62	1
	2,4,5-Trichlorophenol	9.62	UG/L	U	U	9.62	1
	2,4,6-Trichlorophenol	9.62	UG/L	U	U	9.62	1
	2,4-Dichlorophenol	9.62	UG/L	U	U	9.62	1
	2,4-Dimethylphenol	9.62	UG/L	U	U	9.62	1
	2,4-Dinitrophenol	19.2	UG/L	U	U	19.2	1
	2,4-Dinitrotoluene	9.62	UG/L	U	U	9.62	1
	2,6-Dinitrotoluene	9.62	UG/L	U	U	9.62	1
	2-Chloronaphthalene	0.962	UG/L	U	U	0.962	1
	2-Chlorophenol	9.62	UG/L	U	U	9.62	1
	2-Methyl-4,6-dinitrophenol	9.62	UG/L	U	U	9.62	1
	2-Methylnaphthalene	7.8	UG/L		=	0.962	1
	2-Methylphenol	9.62	UG/L	U	U	9.62	1
	2-Nitroaniline	9.62	UG/L	U	U	9.62	1
	2-Nitrophenol	9.62	UG/L	U	U	9.62	1
	3,3'-Dichlorobenzidine	9.62	UG/L	U	U	9.62	1
	3-Nitroaniline	9.62	UG/L	U	U	9.62	1
	4-Bromophenyl phenyl ether	9.62	UG/L	U	U	9.62	1
	4-Chloro-3-methylphenol	9.62	UG/L	U	U	9.62	1
	4-Chloroaniline	9.62	UG/L	U	U	9.62	1
	4-Chlorophenyl phenyl ether	9.62	UG/L	U	U	9.62	1
	4-Methylphenol	9.62	UG/L	U	U	9.62	1
	4-Nitroaniline	9.62	UG/L	U	U	9.62	1
	4-Nitrophenol	9.62	UG/L	U	U	9.62	1
	Acenaphthene	1	UG/L		=	0.962	1
	Acenaphthylene	0.962	UG/L	U	U	0.962	1
	Anthracene	0.216	UG/L	J	J	0.962	1
	Benz(a)anthracene	0.962	UG/L	U	U	0.962	1
	Benzenemethanol	9.62	UG/L	U	U	9.62	1
	Benzo(a)pyrene	0.962	UG/L	U	U	0.962	1
	Benzo(b)fluoranthene	0.962	UG/L	U	U	0.962	1
	Benzo(ghi)perylene	0.962	UG/L	U	U	0.962	1
	Benzo(k)fluoranthene	0.962	UG/L	U	U	0.962	1
	Benzoic acid	19.2	UG/L	U	U	19.2	1
	Bis(2-chloroethoxy)methane	9.62	UG/L	U	U	9.62	1
	Bis(2-chloroethyl) ether	9.62	UG/L	U	U	9.62	1
	Bis(2-chloroisopropyl) ether	9.62	UG/L	U	U	9.62	1
	Bis(2-ethylhexyl)phthalate	9.62	UG/L	U	U	9.62	1
	Butyl benzyl phthalate	9.62	UG/L	U	U	9.62	1
	Carbazole	3.63	UG/L		=	0.962	1
	Chrysene	0.962	UG/L	U	U	0.962	1
	Di-n-butyl phthalate	9.62	UG/L	U	U	9.62	1
	Di-n-octylphthalate	9.62	UG/L	U	U	9.62	1
	Dibenz(a,h)anthracene	0.962	UG/L	U	U	0.962	1
	Dibenzofuran	9.62	UG/L	U	U	9.62	1
	Diethyl phthalate	9.62	UG/L	U	U	9.62	1
	Dimethyl phthalate	9.62	UG/L	U	U	9.62	1
	Diphenylamine	9.62	UG/L	U	U	9.62	1
	Fluoranthene	0.962	UG/L	U	U	0.962	1
	Fluorene	2.43	UG/L		=	0.962	1
	Hexachlorobenzene	9.62	UG/L	U	U	9.62	1
	Hexachlorobutadiene	9.62	UG/L	U	U	9.62	1
	Hexachlorocyclopentadiene	9.62	UG/L	U	U	9.62	1

Station: 7J-MW-14
Sample ID: 7J4E75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Hexachloroethane	9.62	UG/L	U	U		9.62	1
	Indeno(1,2,3-cd)pyrene	0.962	UG/L	U	U		0.962	1
	Isophorone	9.62	UG/L	U	U		9.62	1
	N-Nitroso-di-n-propylamine	9.62	UG/L	U	U		9.62	1
	Naphthalene	26	UG/L		=		0.962	1
	Nitrobenzene	9.62	UG/L	U	U		9.62	1
	Pentachlorophenol	9.62	UG/L	U	U		9.62	1
	Phenanthrene	2.71	UG/L		=		0.962	1
	Phenol	9.62	UG/L	U	U		9.62	1
	Pyrene	0.962	UG/L	U	U		0.962	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	43.8	UG/L		=		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	0.523	UG/L	J	J		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	7.52	UG/L		=		1	1

Station: 7J-MW-15
Sample ID: 7J4F45 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776

Station: 7J-MW-15
Sample ID: 7J4F45 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	0.1	MG/L	U	U		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	14.4	MG/L		U	F01,F07	0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	20	UG/L	U	U		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	25	UG/L	U	U		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	10	UG/L	U	U		10	1
	1,2-Dichlorobenzene	10	UG/L	U	U		10	1
	1,3-Dichlorobenzene	10	UG/L	U	U		10	1
	1,4-Dichlorobenzene	10	UG/L	U	U		10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U		10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U		10	1
	2,4-Dichlorophenol	10	UG/L	U	U		10	1
	2,4-Dimethylphenol	10	UG/L	U	U		10	1
	2,4-Dinitrophenol	20	UG/L	U	U		20	1
	2,4-Dinitrotoluene	10	UG/L	U	U		10	1
	2,6-Dinitrotoluene	10	UG/L	U	U		10	1
	2-Chloronaphthalene	1	UG/L	U	U		1	1
	2-Chlorophenol	10	UG/L	U	U		10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U		10	1
	2-Methylnaphthalene	1	UG/L	U	U		1	1
	2-Methylphenol	10	UG/L	U	U		10	1
	2-Nitroaniline	10	UG/L	U	U		10	1
	2-Nitrophenol	10	UG/L	U	U		10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U		10	1
	3-Nitroaniline	10	UG/L	U	U		10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U		10	1
	4-Chloroaniline	10	UG/L	U	U		10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U		10	1
	4-Methylphenol	10	UG/L	U	U		10	1
	4-Nitroaniline	10	UG/L	U	U		10	1
	4-Nitrophenol	10	UG/L	U	U		10	1
	Acenaphthene	1	UG/L	U	U		1	1
	Acenaphthylene	1	UG/L	U	U		1	1
	Anthracene	1	UG/L	U	U		1	1
	Benz(a)anthracene	1	UG/L	U	U		1	1
	Benzenemethanol	10	UG/L	U	U		10	1
	Benzo(a)pyrene	1	UG/L	U	U		1	1
	Benzo(b)fluoranthene	1	UG/L	U	U		1	1
	Benzo(ghi)perylene	1	UG/L	U	U		1	1
	Benzo(k)fluoranthene	1	UG/L	U	U		1	1
	Benzoic acid	20	UG/L	U	U		20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U		10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U		10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U		10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U		10	1
	Butyl benzyl phthalate	10	UG/L	U	U		10	1
	Carbazole	1	UG/L	U	U		1	1
	Chrysene	1	UG/L	U	U		1	1

Station: 7J-MW-15
Sample ID: 7J4F45 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Di-n-butyl phthalate	10	UG/L	U	U		10	1
	Di-n-octylphthalate	10	UG/L	U	U		10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1
	Dibenzofuran	10	UG/L	U	U		10	1
	Diethyl phthalate	2.62	UG/L	J	J		10	1
	Dimethyl phthalate	10	UG/L	U	U		10	1
	Diphenylamine	10	UG/L	U	U		10	1
	Fluoranthene	1	UG/L	U	U		1	1
	Fluorene	1	UG/L	U	U		1	1
	Hexachlorobenzene	10	UG/L	U	U		10	1
	Hexachlorobutadiene	10	UG/L	U	U		10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U		10	1
	Hexachloroethane	10	UG/L	U	U		10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1
	Isophorone	10	UG/L	U	U		10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U		10	1
	Naphthalene	1	UG/L	U	U		1	1
	Nitrobenzene	10	UG/L	U	U		10	1
	Pentachlorophenol	10	UG/L	U	U		10	1
	Phenanthrene	1	UG/L	U	U		1	1
	Phenol	10	UG/L	U	U		10	1
	Pyrene	1	UG/L	U	U		1	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1

Station: 7J-MW-15
Sample ID: 7J4F45 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Equipment Rinsate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: 7J-MW-15
Sample ID: 7J4F75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	0.451	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	0.725	MG/L	U	U		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	274	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	29.2	UG/L		=		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	0.98	UG/L	U	U		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1
	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1
	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	0.98	UG/L	U	U		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	Anthracene	0.98	UG/L	U	U		0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1

Station: 7J-MW-15
Sample ID: 7J4F75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1
	Carbazole	0.98	UG/L	U	U		0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1
	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	0.98	UG/L	U	U		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	3.5	UG/L		=		0.98	1
	Nitrobenzene	9.8	UG/L	U	U		9.8	1
	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	0.98	UG/L	U	U		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	2.58	UG/L	J	J		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	2.82	UG/L	J	J		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1

Station: 7J-MW-15
Sample ID: 7J4F75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: 7J-MW-16
Sample ID: 7J4G75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.033	MG/L	U	U		0.033	1
	Nitrite	0.033	MG/L	U	U		0.033	1
	Sulfate	7.6	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	118	MG/L		=		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	295	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	25	UG/L	U	U		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,2-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,3-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	1,4-Dichlorobenzene	9.71	UG/L	U	U		9.71	1
	2,4,5-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4,6-Trichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dichlorophenol	9.71	UG/L	U	U		9.71	1
	2,4-Dimethylphenol	9.71	UG/L	U	U		9.71	1
	2,4-Dinitrophenol	19.4	UG/L	U	U		19.4	1
	2,4-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2,6-Dinitrotoluene	9.71	UG/L	U	U		9.71	1
	2-Chloronaphthalene	0.971	UG/L	U	U		0.971	1
	2-Chlorophenol	9.71	UG/L	U	U		9.71	1
	2-Methyl-4,6-dinitrophenol	9.71	UG/L	U	U		9.71	1
	2-Methylnaphthalene	0.971	UG/L	U	U		0.971	1
	2-Methylphenol	9.71	UG/L	U	U		9.71	1
	2-Nitroaniline	9.71	UG/L	U	U		9.71	1
	2-Nitrophenol	9.71	UG/L	U	U		9.71	1
	3,3'-Dichlorobenzidine	9.71	UG/L	U	U		9.71	1
	3-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Bromophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Chloro-3-methylphenol	9.71	UG/L	U	U		9.71	1

Station: 7J-MW-16
Sample ID: 7J4G75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	4-Chloroaniline	9.71	UG/L	U	U		9.71	1
	4-Chlorophenyl phenyl ether	9.71	UG/L	U	U		9.71	1
	4-Methylphenol	9.71	UG/L	U	U		9.71	1
	4-Nitroaniline	9.71	UG/L	U	U		9.71	1
	4-Nitrophenol	9.71	UG/L	U	U		9.71	1
	Acenaphthene	0.971	UG/L	U	U		0.971	1
	Acenaphthylene	0.971	UG/L	U	U		0.971	1
	Anthracene	0.971	UG/L	U	U		0.971	1
	Benz(a)anthracene	0.971	UG/L	U	U		0.971	1
	Benzenemethanol	9.71	UG/L	U	U		9.71	1
	Benzo(a)pyrene	0.971	UG/L	U	U		0.971	1
	Benzo(b)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzo(ghi)perylene	0.971	UG/L	U	U		0.971	1
	Benzo(k)fluoranthene	0.971	UG/L	U	U		0.971	1
	Benzoic acid	19.4	UG/L	U	U		19.4	1
	Bis(2-chloroethoxy)methane	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroethyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-chloroisopropyl) ether	9.71	UG/L	U	U		9.71	1
	Bis(2-ethylhexyl)phthalate	9.71	UG/L	U	U		9.71	1
	Butyl benzyl phthalate	9.71	UG/L	U	U		9.71	1
	Carbazole	0.971	UG/L	U	U		0.971	1
	Chrysene	0.971	UG/L	U	U		0.971	1
	Di-n-butyl phthalate	9.71	UG/L	U	U		9.71	1
	Di-n-octylphthalate	9.71	UG/L	U	U		9.71	1
	Dibenz(a,h)anthracene	0.971	UG/L	U	U		0.971	1
	Dibenzofuran	9.71	UG/L	U	U		9.71	1
	Diethyl phthalate	9.71	UG/L	U	U		9.71	1
	Dimethyl phthalate	9.71	UG/L	U	U		9.71	1
	Diphenylamine	9.71	UG/L	U	U		9.71	1
	Fluoranthene	0.971	UG/L	U	U		0.971	1
	Fluorene	0.971	UG/L	U	U		0.971	1
	Hexachlorobenzene	9.71	UG/L	U	U		9.71	1
	Hexachlorobutadiene	9.71	UG/L	U	U		9.71	1
	Hexachlorocyclopentadiene	9.71	UG/L	U	U		9.71	1
	Hexachloroethane	9.71	UG/L	U	U		9.71	1
	Indeno(1,2,3-cd)pyrene	0.971	UG/L	U	U		0.971	1
	Isophorone	9.71	UG/L	U	U		9.71	1
	N-Nitroso-di-n-propylamine	9.71	UG/L	U	U		9.71	1
	Naphthalene	0.971	UG/L	U	U		0.971	1
	Nitrobenzene	9.71	UG/L	U	U		9.71	1
	Pentachlorophenol	9.71	UG/L	U	U		9.71	1
	Phenanthrene	0.971	UG/L	U	U		0.971	1
	Phenol	9.71	UG/L	U	U		9.71	1
	Pyrene	0.971	UG/L	U	U		0.971	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1

Station: 7J-MW-16
Sample ID: 7J4G75 Media: Groundwater
Date Collected: 04/30/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: 7J-MW-17
Sample ID: 7J4H75 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.192	MG/L		=		0.033	1
	Nitrite	0.0487	MG/L	J	J		0.033	1
	Sulfate	3.39	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	157	MG/L		=		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	321	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	20.5	UG/L	J	J		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,2-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,3-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	1,4-Dichlorobenzene	9.52	UG/L	U	U		9.52	1
	2,4,5-Trichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4,6-Trichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4-Dichlorophenol	9.52	UG/L	U	U		9.52	1
	2,4-Dimethylphenol	9.52	UG/L	U	U		9.52	1
	2,4-Dinitrophenol	19	UG/L	U	U		19	1
	2,4-Dinitrotoluene	9.52	UG/L	U	U		9.52	1

Station: 7J-MW-17
Sample ID: 7J4H75 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Validation Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	2,6-Dinitrotoluene	9.52	UG/L	U	U		9.52	1
	2-Chloronaphthalene	0.952	UG/L	U	U		0.952	1
	2-Chlorophenol	9.52	UG/L	U	U		9.52	1
	2-Methyl-4,6-dinitrophenol	9.52	UG/L	U	U		9.52	1
	2-Methylnaphthalene	0.952	UG/L	U	U		0.952	1
	2-Methylphenol	9.52	UG/L	U	U		9.52	1
	2-Nitroaniline	9.52	UG/L	U	U		9.52	1
	2-Nitrophenol	9.52	UG/L	U	U		9.52	1
	3,3'-Dichlorobenzidine	9.52	UG/L	U	U		9.52	1
	3-Nitroaniline	9.52	UG/L	U	U		9.52	1
	4-Bromophenyl phenyl ether	9.52	UG/L	U	U		9.52	1
	4-Chloro-3-methylphenol	9.52	UG/L	U	U		9.52	1
	4-Chloroaniline	9.52	UG/L	U	U		9.52	1
	4-Chlorophenyl phenyl ether	9.52	UG/L	U	U		9.52	1
	4-Methylphenol	9.52	UG/L	U	U		9.52	1
	4-Nitroaniline	9.52	UG/L	U	U		9.52	1
	4-Nitrophenol	9.52	UG/L	U	U		9.52	1
	Acenaphthene	0.952	UG/L	U	U		0.952	1
	Acenaphthylene	0.952	UG/L	U	U		0.952	1
	Anthracene	0.952	UG/L	U	U		0.952	1
	Benz(a)anthracene	0.952	UG/L	U	U		0.952	1
	Benzenemethanol	9.52	UG/L	U	U		9.52	1
	Benzo(a)pyrene	0.952	UG/L	U	U		0.952	1
	Benzo(b)fluoranthene	0.952	UG/L	U	U		0.952	1
	Benzo(ghi)perylene	0.952	UG/L	U	U		0.952	1
	Benzo(k)fluoranthene	0.952	UG/L	U	U		0.952	1
	Benzoic acid	19	UG/L	U	U		19	1
	Bis(2-chloroethoxy)methane	9.52	UG/L	U	U		9.52	1
	Bis(2-chloroethyl) ether	9.52	UG/L	U	U		9.52	1
	Bis(2-chloroisopropyl) ether	9.52	UG/L	U	U		9.52	1
	Bis(2-ethylhexyl)phthalate	9.52	UG/L	U	U		9.52	1
	Butyl benzyl phthalate	9.52	UG/L	U	U		9.52	1
	Carbazole	0.952	UG/L	U	U		0.952	1
	Chrysene	0.952	UG/L	U	U		0.952	1
	Di-n-butyl phthalate	9.52	UG/L	U	U		9.52	1
	Di-n-octylphthalate	9.52	UG/L	U	U		9.52	1
	Dibenz(a,h)anthracene	0.952	UG/L	U	U		0.952	1
	Dibenzofuran	9.52	UG/L	U	U		9.52	1
	Diethyl phthalate	9.52	UG/L	U	U		9.52	1
	Dimethyl phthalate	9.52	UG/L	U	U		9.52	1
	Diphenylamine	9.52	UG/L	U	U		9.52	1
	Fluoranthene	0.952	UG/L	U	U		0.952	1
	Fluorene	0.952	UG/L	U	U		0.952	1
	Hexachlorobenzene	9.52	UG/L	U	U		9.52	1
	Hexachlorobutadiene	9.52	UG/L	U	U		9.52	1
	Hexachlorocyclopentadiene	9.52	UG/L	U	U		9.52	1
	Hexachloroethane	9.52	UG/L	U	U		9.52	1
	Indeno(1,2,3-cd)pyrene	0.952	UG/L	U	U		0.952	1
	Isophorone	9.52	UG/L	U	U		9.52	1
	N-Nitroso-di-n-propylamine	9.52	UG/L	U	U		9.52	1
	Naphthalene	0.952	UG/L	U	U		0.952	1
	Nitrobenzene	9.52	UG/L	U	U		9.52	1
	Pentachlorophenol	9.52	UG/L	U	U		9.52	1
	Phenanthrene	0.952	UG/L	U	U		0.952	1
	Phenol	9.52	UG/L	U	U		9.52	1
	Pyrene	0.952	UG/L	U	U		0.952	1

Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: 7J-MW-18
Sample ID: 7J4J25 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.615	MG/L		=		0.033	1
	Nitrite	0.0463	MG/L	J	J		0.033	1
	Sulfate	3.99	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	262	MG/L		=		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	4790	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 3810	Methane	306	UG/L		=		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U		9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U		9.8	1

Station: 7J-MW-18
Sample ID: 7J4J25 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	2,4,6-Trichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dichlorophenol	9.8	UG/L	U	U		9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U		9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U		19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U		9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U		0.98	1
	2-Chlorophenol	9.8	UG/L	U	U		9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U		9.8	1
	2-Methylnaphthalene	6.7	UG/L		=		0.98	1
	2-Methylphenol	9.8	UG/L	U	U		9.8	1
	2-Nitroaniline	9.8	UG/L	U	U		9.8	1
	2-Nitrophenol	9.8	UG/L	U	U		9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U		9.8	1
	3-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U		9.8	1
	4-Chloroaniline	9.8	UG/L	U	U		9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U		9.8	1
	4-Methylphenol	9.8	UG/L	U	U		9.8	1
	4-Nitroaniline	9.8	UG/L	U	U		9.8	1
	4-Nitrophenol	9.8	UG/L	U	U		9.8	1
	Acenaphthene	0.98	UG/L	U	U		0.98	1
	Acenaphthylene	0.98	UG/L	U	U		0.98	1
	Anthracene	0.98	UG/L	U	U		0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U		0.98	1
	Benzenemethanol	9.8	UG/L	U	U		9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U		0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U		0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U		0.98	1
	Benzoic acid	19.6	UG/L	U	U		19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U		9.8	1
	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U		9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U		9.8	1
	Carbazole	0.98	UG/L	U	U		0.98	1
	Chrysene	0.98	UG/L	U	U		0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U		9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U		9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U		0.98	1
	Dibenzofuran	9.8	UG/L	U	U		9.8	1
	Diethyl phthalate	9.8	UG/L	U	U		9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U		9.8	1
	Diphenylamine	9.8	UG/L	U	U		9.8	1
	Fluoranthene	0.98	UG/L	U	U		0.98	1
	Fluorene	0.648	UG/L	J	J		0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U		9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U		9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U		9.8	1
	Hexachloroethane	9.8	UG/L	U	U		9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U		0.98	1
	Isophorone	9.8	UG/L	U	U		9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U		9.8	1
	Naphthalene	4.48	UG/L		=		0.98	1

Station: 7J-MW-18
Sample ID: 7J4J25 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Nitrobenzene	9.8	UG/L	U	U		9.8	1
	Pentachlorophenol	9.8	UG/L	U	U		9.8	1
	Phenanthrene	0.831	UG/L	J	J		0.98	1
	Phenol	9.8	UG/L	U	U		9.8	1
	Pyrene	0.98	UG/L	U	U		0.98	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	0.256	UG/L	J	J		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: 7J-MW-18
Sample ID: 7J4J75 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory						SDG No:	207776
EPA 300.0	Nitrate	0.641	MG/L		=		0.033	1
	Nitrite	0.0482	MG/L	J	J		0.033	1
	Sulfate	4	MG/L		=		0.1	1
General Chemistry	General Engineering Laboratory						SDG No:	207776
SM4500-CO2	Carbon Dioxide	285	MG/L		=		0.725	1
EPA 376.2	Sulfide	0.03	MG/L	U	U		0.03	1
Inorganics	General Engineering Laboratory						SDG No:	207776

Station: 7J-MW-18
Sample ID: 7J4J75 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Organic Gases	General Engineering Laboratory						SDG No:	207776
SW846 6010B	Iron	4820	UG/L		=		20	1
Organic Gases	General Engineering Laboratory						SDG No:	207776
	Methane	255	UG/L		=		25	1
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	1,2,4-Trichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,2-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,3-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	1,4-Dichlorobenzene	9.62	UG/L	U	U		9.62	1
	2,4,5-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4,6-Trichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dichlorophenol	9.62	UG/L	U	U		9.62	1
	2,4-Dimethylphenol	9.62	UG/L	U	U		9.62	1
	2,4-Dinitrophenol	19.2	UG/L	U	U		19.2	1
	2,4-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2,6-Dinitrotoluene	9.62	UG/L	U	U		9.62	1
	2-Chloronaphthalene	0.962	UG/L	U	U		0.962	1
	2-Chlorophenol	9.62	UG/L	U	U		9.62	1
	2-Methyl-4,6-dinitrophenol	9.62	UG/L	U	U		9.62	1
	2-Methylnaphthalene	7.18	UG/L		=		0.962	1
	2-Methylphenol	9.62	UG/L	U	U		9.62	1
	2-Nitroaniline	9.62	UG/L	U	U		9.62	1
	2-Nitrophenol	9.62	UG/L	U	U		9.62	1
	3,3'-Dichlorobenzidine	9.62	UG/L	U	U		9.62	1
	3-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Bromophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Chloro-3-methylphenol	9.62	UG/L	U	U		9.62	1
	4-Chloroaniline	9.62	UG/L	U	U		9.62	1
	4-Chlorophenyl phenyl ether	9.62	UG/L	U	U		9.62	1
	4-Methylphenol	9.62	UG/L	U	U		9.62	1
	4-Nitroaniline	9.62	UG/L	U	U		9.62	1
	4-Nitrophenol	9.62	UG/L	U	U		9.62	1
	Acenaphthene	0.962	UG/L	U	U		0.962	1
	Acenaphthylene	0.962	UG/L	U	U		0.962	1
	Anthracene	0.962	UG/L	U	U		0.962	1
	Benz(a)anthracene	0.962	UG/L	U	U		0.962	1
	Benzenemethanol	9.62	UG/L	U	U		9.62	1
	Benzo(a)pyrene	0.962	UG/L	U	U		0.962	1
	Benzo(b)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzo(ghi)perylene	0.962	UG/L	U	U		0.962	1
	Benzo(k)fluoranthene	0.962	UG/L	U	U		0.962	1
	Benzoic acid	19.2	UG/L	U	U		19.2	1
	Bis(2-chloroethoxy)methane	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroethyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-chloroisopropyl) ether	9.62	UG/L	U	U		9.62	1
	Bis(2-ethylhexyl)phthalate	9.62	UG/L	U	U		9.62	1
	Butyl benzyl phthalate	9.62	UG/L	U	U		9.62	1
	Carbazole	0.962	UG/L	U	U		0.962	1
	Chrysene	0.962	UG/L	U	U		0.962	1
	Di-n-butyl phthalate	9.62	UG/L	U	U		9.62	1
	Di-n-octylphthalate	9.62	UG/L	U	U		9.62	1
	Dibenz(a,h)anthracene	0.962	UG/L	U	U		0.962	1
	Dibenzofuran	9.62	UG/L	U	U		9.62	1
	Diethyl phthalate	9.62	UG/L	U	U		9.62	1
	Dimethyl phthalate	9.62	UG/L	U	U		9.62	1
	Diphenylamine	9.62	UG/L	U	U		9.62	1

Station: 7J-MW-18
Sample ID: 7J4J75 Media: Groundwater
Date Collected: 05/01/2008 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8270C	Fluoranthene	0.962	UG/L	U	U		0.962	1
	Fluorene	0.592	UG/L	J	J		0.962	1
	Hexachlorobenzene	9.62	UG/L	U	U		9.62	1
	Hexachlorobutadiene	9.62	UG/L	U	U		9.62	1
	Hexachlorocyclopentadiene	9.62	UG/L	U	U		9.62	1
	Hexachloroethane	9.62	UG/L	U	U		9.62	1
	Indeno(1,2,3-cd)pyrene	0.962	UG/L	U	U		0.962	1
	Isophorone	9.62	UG/L	U	U		9.62	1
	N-Nitroso-di-n-propylamine	9.62	UG/L	U	U		9.62	1
	Naphthalene	5	UG/L		=		0.962	1
	Nitrobenzene	9.62	UG/L	U	U		9.62	1
	Pentachlorophenol	9.62	UG/L	U	U		9.62	1
	Phenanthrene	0.842	UG/L	J	J		0.962	1
	Phenol	9.62	UG/L	U	U		9.62	1
	Pyrene	0.962	UG/L	U	U		0.962	1
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	0.269	UG/L	J	J		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

Station: QC
Sample ID: TB0608 Media: Quality Control
Date Collected: 04/29/2008 Field Sample Type: Trip Blank

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						SDG No:	207776
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	U		1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1
	1,1,2-Trichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethane	1	UG/L	U	U		1	1
	1,1-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dibromoethane	1	UG/L	U	U		1	1
	1,2-Dichloroethane	1	UG/L	U	U		1	1
	1,2-Dichloroethene	1	UG/L	U	U		1	1
	1,2-Dichloropropane	1	UG/L	U	U		1	1
	2-Butanone	5	UG/L	U	U		5	1
	2-Hexanone	5	UG/L	U	U		5	1
	4-Methyl-2-pentanone	5	UG/L	U	U		5	1
	Acetone	5	UG/L	U	U		5	1
	Benzene	1	UG/L	U	U		1	1
	Bromochloromethane	1	UG/L	U	U		1	1
	Bromodichloromethane	1	UG/L	U	U		1	1
	Bromoform	1	UG/L	U	U		1	1
	Bromomethane	1	UG/L	U	U		1	1
	Carbon disulfide	5	UG/L	U	U		5	1
	Carbon tetrachloride	1	UG/L	U	U		1	1
	Chlorobenzene	1	UG/L	U	U		1	1
	Chloroethane	1	UG/L	U	U		1	1
	Chloroform	1	UG/L	U	U		1	1
	Chloromethane	1	UG/L	U	U		1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Dibromochloromethane	1	UG/L	U	U		1	1
	Ethylbenzene	1	UG/L	U	U		1	1
	Methylene chloride	5	UG/L	U	U		5	1
	Styrene	1	UG/L	U	U		1	1
	Tetrachloroethene	1	UG/L	U	U		1	1
	Toluene	1	UG/L	U	U		1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1
	Trichloroethene	1	UG/L	U	U		1	1
	Vinyl chloride	1	UG/L	U	U		1	1
	Xylenes, Total	1	UG/L	U	U		1	1

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COC NO.: 27F027

CHAIN OF CUSTODY RECORD

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): Wayne H. Parker (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC	Methane	Carbon Dioxide	Nitrate, Nitrite, Sulfate	Sulfide	Total Iron	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
TB0608 1	04/29/08	0730	WATER	2							2		
7J4975 2	04/29/08	1215	WATER	2	2	2	1	1	1	1	10		
7J4175 3	04/29/08	1645	WATER	2	2	2	1	1	1	1	10		
7J4D75 4	04/30/08	1125	WATER	2	2	2	1	1	1	1	10		
7J4A75 5	04/30/08	1635	WATER	2	2	2	1	1	1	1	10		
7J4575 6	04/29/08	1200	WATER	2	2	2	1	1	1	1	10		
7J4675 7	04/29/08	1630	WATER	2	2	2	1	1	1	1	10		
7J4375 8	04/30/08	1130	WATER	2	2	2	1	1	1	1	10		
7J4F45 9	04/30/08	~~1000~~ 0800	WATER	2	2	2	1	1	1	1	10		
7J4F75 10	04/30/08	1100	WATER	2	2	2	1	1	1	1	10		
7J4E75 11	04/30/08	1500	WATER	2	2	2	1	1	1	1	10		
7J4775 12	04/30/08	1530	WATER	2	2	2	1	1	1	1	10		
7J4H75 13	05/01/08	1100	WATER	2	2	2	1	1	1	1	10		

WHP 05/01/08

C-177

RELINQUISHED BY:	Date/Time 05/02/08 1030	RECEIVED BY:	Date/Time 05/02/08 1351	TOTAL NUMBER OF CONTAINERS:	Cooler Temperature:
COMPANY NAME: SAIC		COMPANY NAME: GEL		Cooler ID:	FEDEX NUMBER:
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Ben Wattkins	Date/Time 05/02/08 1351	RECEIVED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			

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151 Layfayette Drive, Oak Ridge, Tennessee 37831/865/481-4600

207Ft 1. Page 2 of 2

CHAIN OF CUSTODY RECORD

COC NO.: 27F027

PROJECT NAME: SWMU-27F

PROJECT NUMBER: 01-1055-04-9744-300

PROJECT MANAGER: Jeff Longaker

Sampler (Signature): [signature] (Printed Name): WAYNE H. PARKER

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC	Methane	Carbon Dioxide	Nitrate, Nitrite, Sulfate	Sulfide	Total Iron	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS.
7J4J75 14	05/01/08	1130	WATER	2	2	2	1	1	1	1	10		
7J4J25 15	05/01/08	1130	WATER	2	2	2	1	1	1	1	10		
7J4476 16	05/01/08	1500	WATER	2	2	2	1	1	1	1	10		
7J4425 17	05/01/08	1500	WATER	2	2	2	1	1	1	1	10		
7J4475 18	05/01/08	1530	WATER	2	2	2	1	1	1	1	10		
7J7311	05/01/08	1415	SOIL		1						1		
7J7411	05/01/08	1430	SOIL		1						1		

WHO 05/02/08

REQUESTED PARAMETERS

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
[signature]	05/02/08	[signature]	5/2/08
COMPANY NAME: SAIC	10:30	COMPANY NAME: GEL	1351
RECEIVED BY: [signature]	Date/Time 05/02/08	RELINQUISHED BY:	Date/Time
COMPANY NAME: GEL	10:30	COMPANY NAME:	
RELINQUISHED BY: Ben Watts	Date/Time 05/02/08	RECEIVED BY:	Date/Time
COMPANY NAME: GEL	1351	COMPANY NAME:	

TOTAL NUMBER OF CONTAINERS: 174

Cooler ID:

Cooler Temperature:

FEDEX NUMBER:

APPENDIX D

CHEMICAL OXIDATION BENCH-SCALE TESTS

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IN-SITU CHEMICAL OXIDATION BENCH-SCALE TESTS FOR SWMU 27F, FORT STEWART, GEORGIA

Science Applications International Corporation
(SAIC Canada)
Environmental Technologies Program

Draft report presented to:
Science Applications International Corporation (SAIC)
Oak Ridge, Tennessee

September, 2007

SAIC Canada Project Number: 9944.B.25
CM Number: 002069

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ABSTRACT

Science Applications International Corporation (SAIC), Oak Ridge, Tennessee requested that SAIC Canada's Environmental Technologies Program in Ottawa, Ontario conduct in-situ chemical oxidation (ISCO) bench-scale tests (BST) to determine the soil oxidant demand (SOD) and the total oxidant demand (TOD) of the soil and the contaminants from SWMU 27F at Fort Stewart, Georgia. The BST was conducted using site soils impacted with petroleum hydrocarbons. The oxidant for the BST was sodium persulphate which was activated using three different methods: ferrous ethylenediaminetetraacedic acid (Fe-EDTA); hydrogen peroxide; and alkalinity.

The methodology used for the BST was based on the American Society for Testing and Materials work item "*WK9154 New Standard Test Method for Determining the Permanganate Soil Oxidant Demand (Screening Phase, PSOD-1)"*. Four types of test jars were setup with either 0, 10, 50, or 100 mL of 1.5% sodium persulphate dosing solution. Each SOD and TOD test was completed in duplicate, and along with one set of control test jars containing no persulphate dosing solution, resulted in a total of forty test jars. Each test jar received approximately 50 g of soil and 200 mL of solution consisting of 80 to 170 mL of groundwater with the balance being the sodium persulphate dosing solution and activation solutions.

The BST showed that the oxidant demand for sodium persulphate using Fe-EDTA and hydrogen peroxide activation was dependant on the initial sodium persulphate concentration and reaction time. As expected, the oxidant demand in the TOD tests was greater than in the SOD tests due to the presence of the petroleum hydrocarbons. The Fe-EDTA and hydrogen peroxide activation tests were generally effective in removing benzene, toluene, ethylbenzene, and xylenes (BTEX), but less effective in removing gasoline range organics (GRO) and diesel range organics (DRO). Multiple injections of sodium persulphate may be required to completely oxidize the GRO and DRO. The alkalinity activation method was largely ineffective in causing the sodium persulphate to oxidize the natural organic materials in the soil and in removing the BTEX, GRO, and DRO.

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1 INTRODUCTION

Science Applications International Corporation (SAIC), Oak Ridge, Tennessee requested that SAIC Canada's Environmental Technologies Program in Ottawa, Ontario conduct in-situ chemical oxidation (ISCO) bench-scale tests (BST) to determine the soil oxidant demand (SOD) and the total oxidant demand (TOD) of the soil and the contaminants from SWMU 27F at Fort Stewart, Georgia. The BST was conducted using site soils impacted with petroleum hydrocarbons. The oxidant for the BST was persulphate which was activated using three different methods: ferrous ethylenediaminetetraacedic acid (Fe-EDTA); hydrogen peroxide; and alkaline conditions.

2 MATERIALS AND METHOD

The methodology used for the BST was based on the American Society for Testing and Materials (ASTM) work item "*WK9154 New Standard Test Method for Determining the Permanganate Soil Oxidant Demand (Screening Phase, PSOD-1)"*. The PSOD-1 method consists of a four jar test, where each jar receives a known amount of site soil, site groundwater, and potassium permanganate (oxidant). Three jars receive either a low, medium, or high dose of permanganate, and the fourth jar does not receive any permanganate. After 2 days, the permanganate remaining in each jar is measured and the oxidant demand calculated.

Although activated persulphate is a stronger oxidant than permanganate, the oxidation reaction is slower, and thus the PSOD-1 method needs to be modified when using activated persulphate. The modifications for this BST included allowing the test to continue for 7 days and measuring the amount of benzene, toluene, ethylbenzene, and xylenes (BTEX), gasoline range organics (GRO), and diesel range organics (DRO) remaining in the soil at the end of the test period.

Prior to conducting the test, the site soil was quickly homogenized to the extent possible so that each test jar received similar soil and petroleum hydrocarbons. A soil sample was taken at this time to determine moisture content and initial concentrations of BTEX, GRO, and DRO. Soil to be used for the TOD tests was sealed in 1 L mason jars with minimum headspace and placed in a refrigerator at 4 °C until required for testing. For the SOD tests, an excess amount of soil required for the tests was spread into a thin layer in an aluminium pan and heated to 60 °C for 2 days to volatilize the petroleum hydrocarbons. The soil was occasionally manually mixed to aid in the volatilization of petroleum hydrocarbons from the soil.

As with the PSOD-1 method, four types of test jars were setup with either 0, 10, 50, or 100 mL of 1.5% sodium persulphate dosing solution. Each SOD and TOD test was completed using the three activation methods (Fe-EDTA, hydrogen peroxide, and alkaline conditions) and each test was completed in duplicate. As only one set of control jars containing no persulphate dosing solution were required for all three activation tests, the BST consisted of a total of forty test jars. The test jars were labelled using 'S' or 'T' to indicate SOD or TOD test, respectively; 'F', 'P', or 'A' to indicate Fe-EDTA, peroxide, or alkaline activation, respectively; 0, 10, 50, or 100 to indicate the volume of persulphate dosing solution; and 'A' or 'B' to indicate the duplicate samples. Thus, for example, test jar SP50B was the second

duplicate of the hydrogen peroxide activated SOD test with 50 mL of persulphate dosing solution.

Tables 1, 2, and 3 present the setup of the forty test jars. Each SOD and TOD test jar received approximately 50 g of site soil and between 80 to 200 mL of site groundwater. The total solution volume of each test jar was brought up to a final volume of 200 mL by adding 1.5% presulphate dosing solution and activation solution.

Table 1: Fe-EDTA Activated Persulphate Oxidant Demand Test Setup

Test ID	Soil (g)	Groundwater (mL)	1.5% Persulphate Dosing Solution (mL)	13.2 g/L Fe-EDTA Activation Solution (mL)	Target Oxidant Dose (g oxidant per kg soil)
SF10A	50.0	170	10	20	3
SF10B	50.0	170	10	20	3
SF50A	50.0	130	50	20	15
SF50B	50.1	130	50	20	15
SF100A	50.0	80	100	20	30
SF100B	50.0	80	100	20	30
TF10A	50.9	170	10	20	3
TF10B	50.3	170	10	20	3
TF50A	50.2	130	50	20	15
TF50B	50.0	130	50	20	15
TF100A	50.1	80	100	20	30
TF100B	50.3	80	100	20	30

Table 2: Hydrogen Peroxide Activated Persulphate Oxidant Demand Test Setup

Test ID	Soil (g)	Groundwater (mL)	1.5% Persulphate Dosing and Peroxide Activation Solution (mL)	Target Oxidant Dose (g oxidant per kg soil)
SP10A	50.2	190	10	3
SP10B	50.0	190	10	3
SP50A	50.1	150	50	15
SP50B	50.1	150	50	15
SP100A	50.0	100	100	30
SP100B	50.2	100	100	30
TP10A	50.1	190	10	3
TP10B	50.2	190	10	3
TP50A	50.1	150	50	15
TP50B	50.3	150	50	15
TP100A	50.4	100	100	30

Test ID	Soil (g)	Groundwater (mL)	1.5% Persulphate Dosing and Peroxide Activation Solution (mL)	Target Oxidant Dose (g oxidant per kg soil)
TP100B	50.2	100	100	30

Table 3: Alkalinity Activated Persulphate Oxidant Demand Test Setup

Test ID	Soil (g)	Groundwater (mL)	1.5% Persulphate Dosing Solution (mL)	1 M NaOH Activation Solution (mL)	Target Oxidant Dose (g oxidant per kg soil)
SA0A	50.0	200	0	0	0
SA0B	50.0	200	0	0	0
SA10A	50.0	170	10	20	3
SA10B	50.2	170	10	20	3
SA50A	50.1	130	50	20	15
SA50B	50.1	130	50	20	15
SA100A	50.1	80	100	20	30
SA100B	50.1	80	100	20	30
TA0A	50.3	200	0	0	0
TA0B	50.7	200	0	0	0
TA10A	50.1	170	10	20	3
TA10B	50.8	170	10	20	3
TA50A	50.0	130	50	20	15
TA50B	50.3	130	50	20	15
TA100A	50.0	80	100	20	30
TA100B	50.1	80	100	20	30

Dosing solutions of 1.5% sodium persulphate were prepared immediately prior to initiating each activation test. For the hydrogen peroxide activated test, 30% hydrogen peroxide was added to the dosing solution prior to adding the solution to the test jars. For the Fe-EDTA and alkaline condition tests, activation was done by adding the activators directly into the test jars. The Fe-EDTA activated samples received 20 mL of 13 g/L Fe-EDTA that resulted in 200 mg/L of iron in the final solution and the alkalinity activated samples received 20 mL of 1 molar (M) sodium hydroxide (NaOH) to bring the pH of the system to about 12.

After addition of all of the constituents, each test jar was sealed tightly and given an initial shake to mix the contents. The jars were manually shaken twice per day throughout the test period. The persulphate remaining in each test jar was measured in-house after 2 and 7 days of reaction time using the method described in Section 2.1. On day 2 the pH of the alkaline test jars were measured and if below 10, the pH was adjusted to about 12 with additional 1M NaOH. After 7 days, the oxidation reaction was terminated and soil samples were sent to Accutest Laboratories Ltd. in Ottawa, Ontario for BTEX, GRO, and DRO analysis.

2.1 Sodium Persulphate Analysis

The amount of sodium persulphate in each test jar was determined by a titration method modified in-house from a published method. Depending on the concentration of sodium persulphate, a 1 or 10 mL aqueous sample from the test jar was allowed to react with ferrous ammonium sulphate under acidic conditions. At the end of the reaction time, Ferrion indicator was added and the sample was titrated with 0.05 N ceric sulphate until the first colour change. The amount of ceric sulphate solution required for the sample was subtracted from a blank sample containing no oxidant to calculate the sodium persulphate concentration.

3 RESULTS AND DISCUSSION

The following sections discuss the results of the oxidant demand testing for the three activation methods tested (Fe-EDTA, hydrogen peroxide, and alkaline conditions) and the results of the soils analysis for BTEX, GRO, and DRO.

3.1 Oxidant Demand

The moisture content of the initial site soil based on weight difference before and after drying was 15.3%. Soil and groundwater quantities used in the oxidant demand tests were adjusted to account for the moisture content of the soil.

The following graphs show the decline in total sodium persulphate in the oxidant demand tests over the 7 day test period. Figure 1 shows the amount of sodium persulphate in the Fe-EDTA activated test, Figure 2 shows the amount of sodium persulphate in the hydrogen peroxide activated test, and Figure 3 shows the amount of sodium persulphate in the alkalinity activated test. As all of the tests were completed in duplicate, the results provided below are the average of the duplicates.

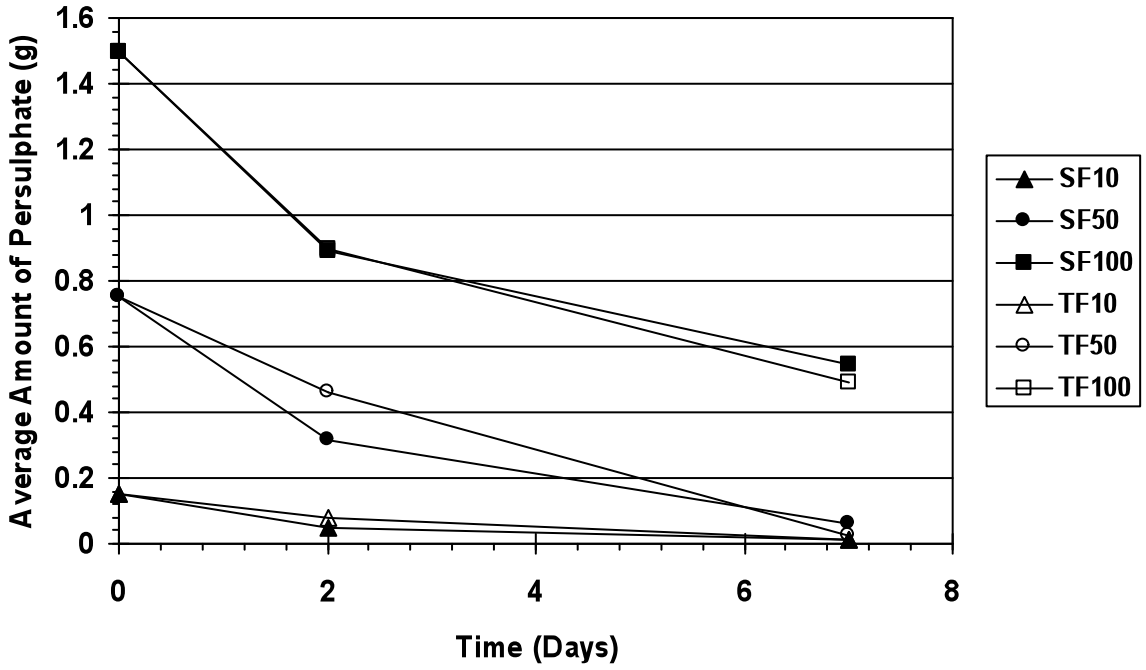

Figure 1: Average Amount of Sodium Persulphate in the Fe-EDTA Activation Test

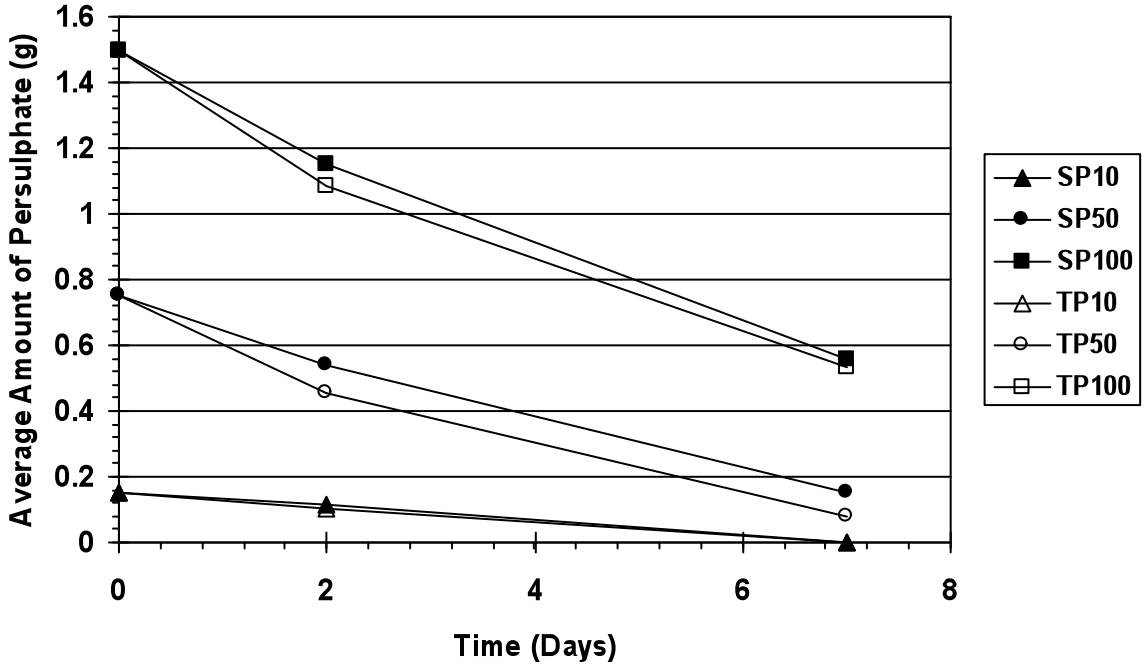

Figure 2: Average Amount of Sodium Persulphate in the Hydrogen Peroxide Activation Test

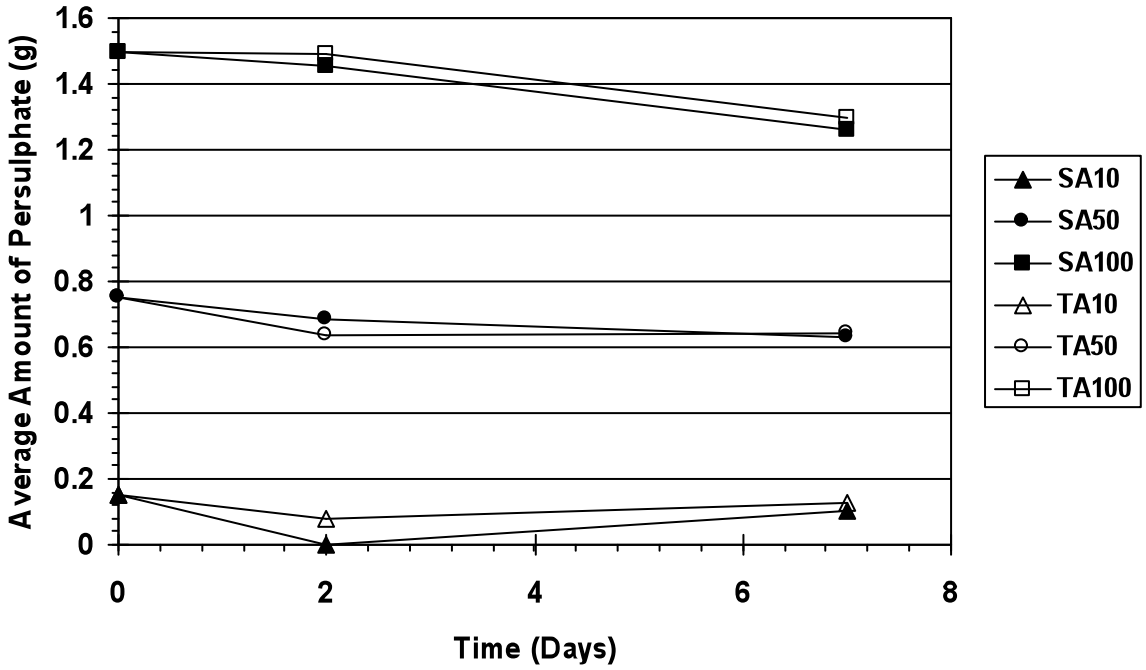

Figure 3: Average Amount of Sodium Persulphate in the Alkalinity Activation Test

As can be seen from the graphs, the sodium persulphate in the low concentration tests (i.e. 10 mL of persulphate dosing solution) was consumed within the Fe-EDTA and peroxide activation tests. In the high sodium persulphate concentration tests, sodium persulphate was still present even after 7 days in the Fe-EDTA and peroxide activation tests. Since sodium persulphate remained in some of the Fe-EDTA and peroxide activated tests, oxidation reactions are expected to occur beyond 7 days. Only a relatively small amount of sodium persulphate appeared to be consumed in all three sodium persulphate concentration tests using alkalinity activation. Thus it appears that oxidation was not occurring in these tests.

The oxidant demand for the Fe-EDTA, hydrogen peroxide, and alkalinity activated tests are presented in Figure 4, Figure 5, and Figure 6, respectively. The oxidant demand is expressed as a ratio of the amount of sodium persulphate per dry weight of soil. The results show that the oxidant demand is time dependant and dependant on initial sodium persulphate dose. Thus, a single oxidant demand for each condition can not be calculated as is done for permanganate in the PSOD-1 method. The dependency of oxidant demand on time and concentration should be taken into account when performing ISCO. The results also show, as expected, that the oxidant demand in the TOD tests is generally greater than in the SOD tests.

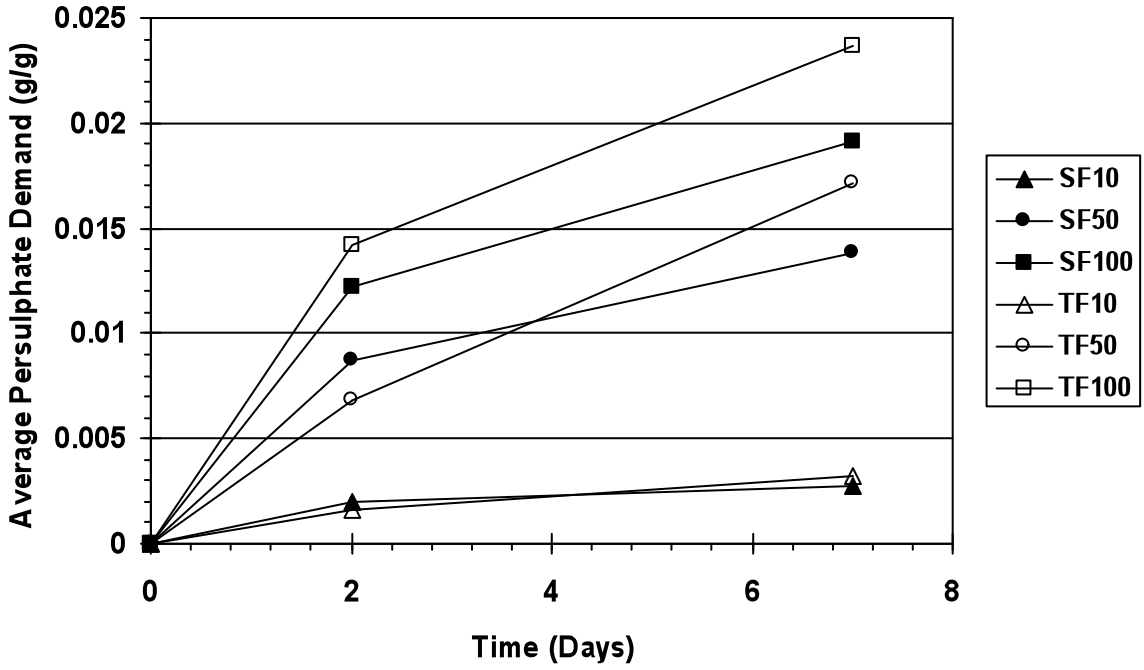

Figure 4: Average Sodium Persulphate Demand in the Fe-EDTA Activation Test

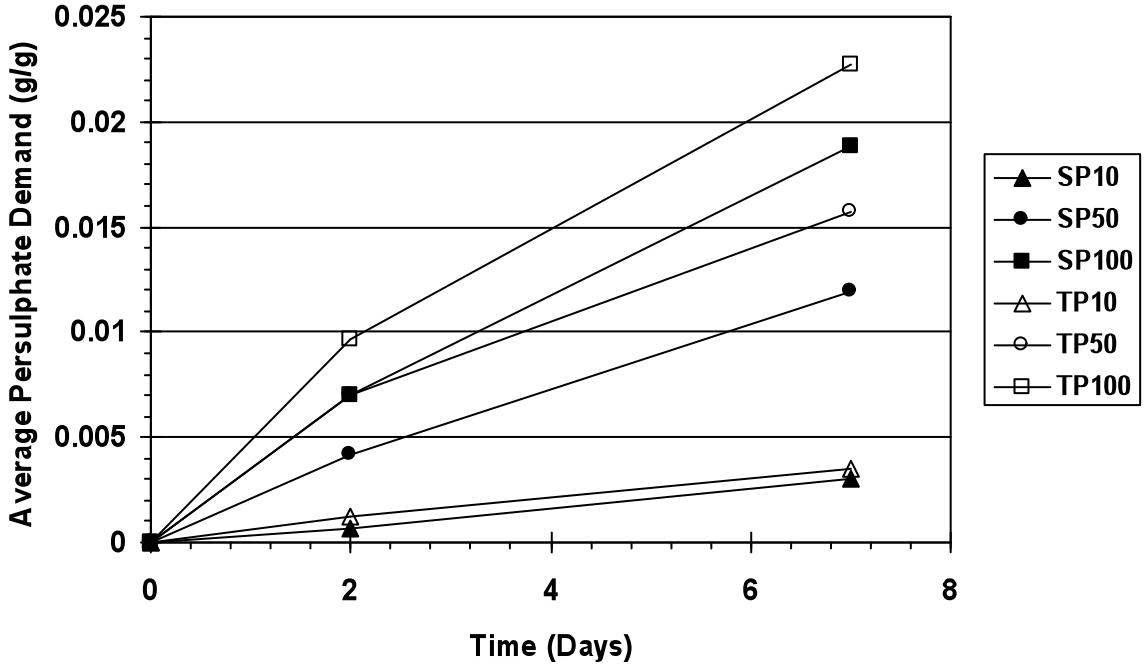

Figure 5: Average Sodium Persulphate Demand in the Hydrogen Peroxide Activation Test

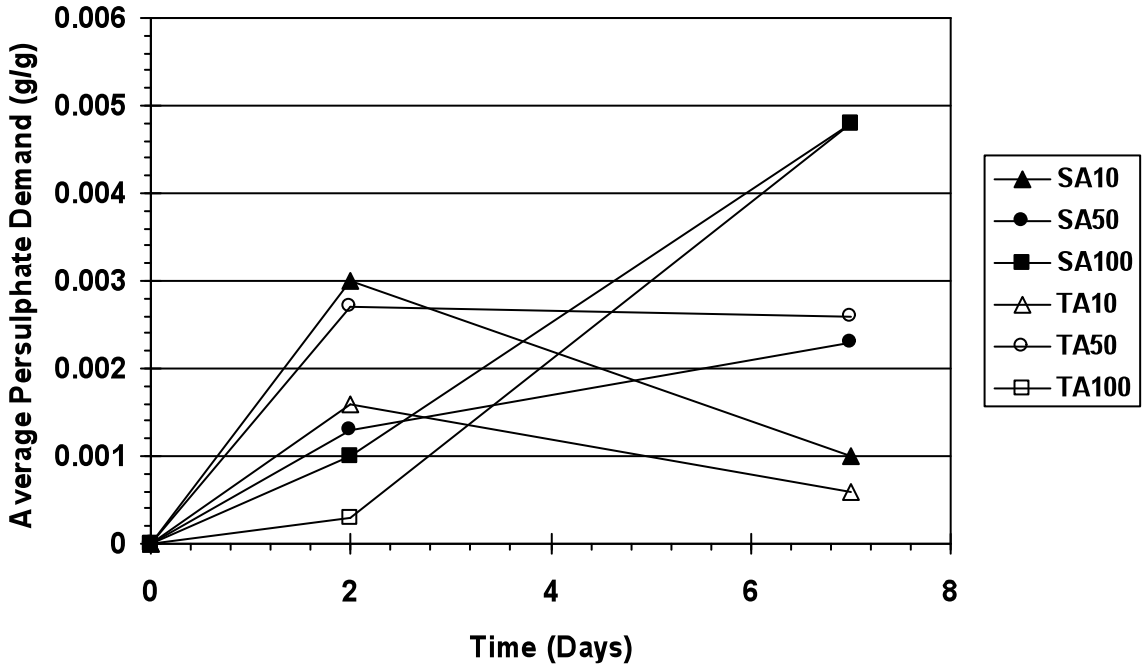

Figure 6: Average Sodium Persulphate Demand in the Alkalinity Activation Test

3.2 Hydrocarbon Analysis

The following three graphs show the results of the BTEX, GRO, and DRO analysis of the soil after day 7. Figure 7 shows the results for the Fe-EDTA activation test, Figure 8 shows the results of the hydrogen peroxide activation test, and Figure 9 shows the results of alkaline activation test. The data is presented as an average of duplicate tests. The graphs are plotted on a semi-log scale so that all of the parameters can be viewed on a single graph. The control samples had no sodium persulphate or activation solutions added.

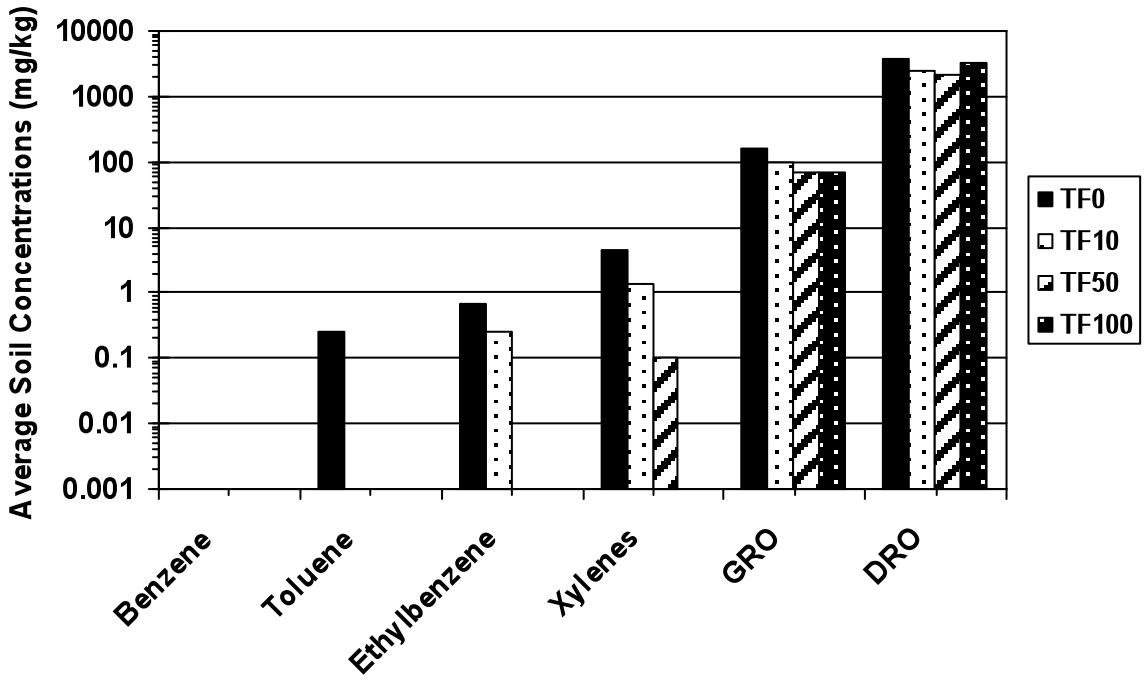

Figure 7: Average Petroleum Hydrocarbon Concentrations in the Soil in the Fe-EDTA Activation Test

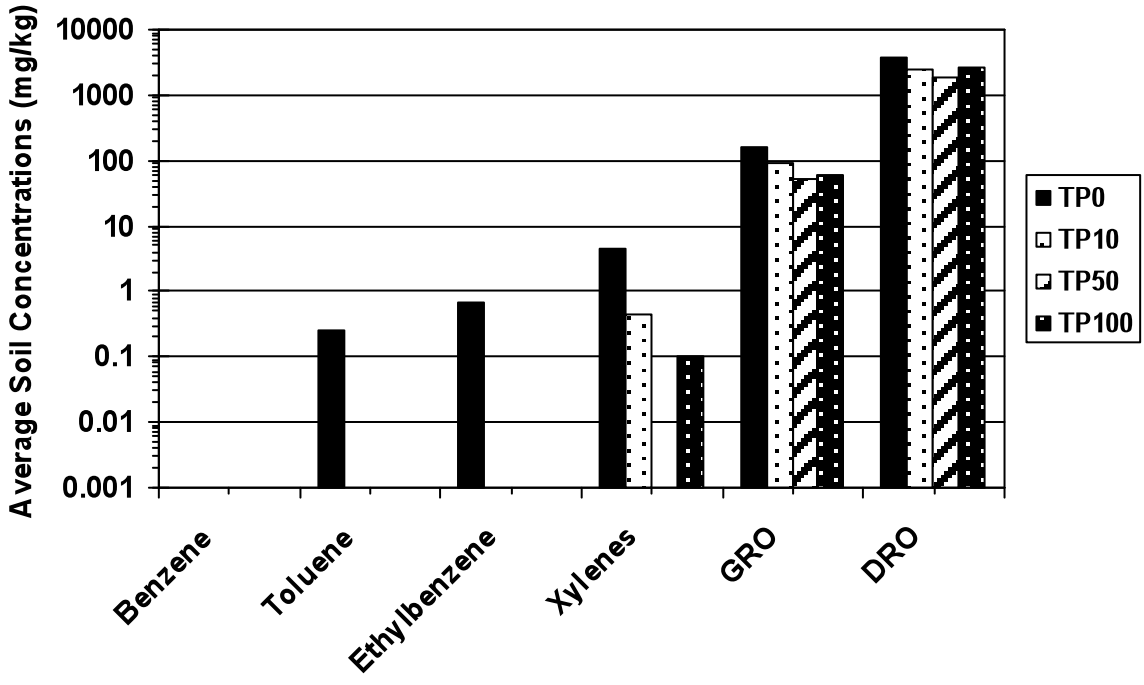

Figure 8: Average Petroleum Hydrocarbon Concentrations in the Soil in the Hydrogen Peroxide Activation Test

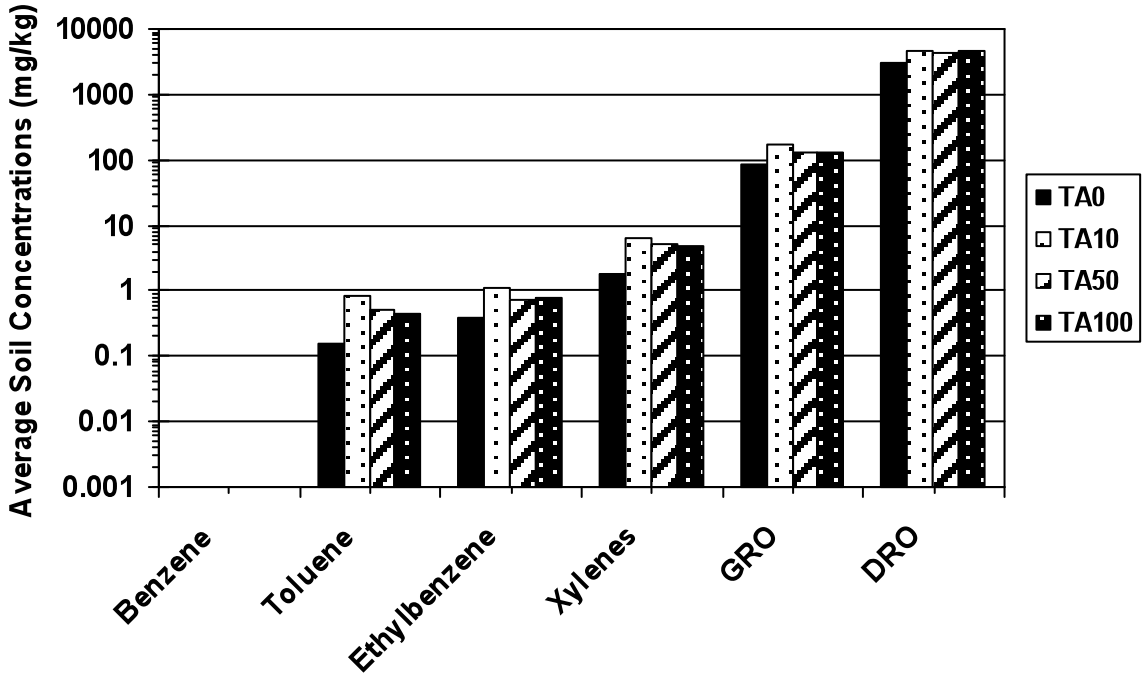

Figure 9: Average Petroleum Hydrocarbon Concentrations in the Soil in the Alkalinity Activation Test

As expected from the persulphate analysis, the alkalinity activated persulphate did not significantly degrade the petroleum hydrocarbons. However, the medium and high concentrations of persulphate activated with Fe-EDTA and peroxide were generally effective in oxidizing the BTEX, but was less effective in oxidizing the GRO and DRO. Since sodium persulphate was still present in the high concentration tests, additional oxidation of GRO and DRO might occur beyond 7 days. However, repeated injections of activated persulphate may be required to completely oxidize all of the petroleum hydrocarbons.

4 CONCLUSIONS

The BST showed that the oxidant demand for sodium persulphate using Fe-EDTA and hydrogen peroxide activation was dependant on the initial sodium persulphate concentration and reaction time. As expected, the oxidant demand in the TOD tests was greater than in the SOD tests due to the presence of the petroleum hydrocarbons. The Fe-EDTA and hydrogen peroxide activation tests were generally effective in removing BTEX, but less effective in removing GRO and DRO. Multiple injections of sodium persulphate may be required to completely oxidize the GRO and DRO. The alkalinity activation method was largely ineffective in causing the sodium persulphate to oxidize the natural organic materials in the soil and in removing the BTEX, GRO, and DRO.

APPENDIX A – Certificates of Analysis

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Client: SAIC Canada
335 River Rd. South
Ottawa, ON
K1V 1C7
Attention: Mr. Rob Focht

Report Number: 2717822
Date: 2007-08-10
Date Submitted: 2007-08-09
Project:
P.O. Number:
Matrix: Soil

Chain of Custody Number: 63518

			LAB ID:	563564	563565	563566	563567	563568	GUIDELINE		
			Sample Date:	2007-08-09	2007-08-09	2007-08-09	2007-08-09	2007-08-09			
			Sample ID:	Initial FS	T0A	TA0A	TA0B	TA10A			
PARAMETER	UNITS	MRL							TYPE	LIMIT	UNITS
VOLATILE ORGANIC COMPOUNDS - VOCs											
Benzene	ug/g	0.05		<0.05	<0.05	<0.05	<0.05	<0.05			
Ethylbenzene	ug/g	0.1		1.0	0.5	0.4	0.4	1.3			
m/p-xylene	ug/g	0.2		4.1	3.7	1.1	0.4	5.3			
o-xylene	ug/g	0.1		2.0	1.7	1.1	0.9	2.5			
Toluene	ug/g	0.1		0.8	<0.1	0.2	0.1	1.0			
VOC SURROGATES											
Toluene-d8	%			101	101	100	101	100			
Total Petroleum Hydrocarbons											
GRO (<C10)	ug/g	20		109	132	87	78	198			
DRO (C10-C24)	ug/g	20		5370	4920	2970	2950	7040			
GRO + DRO	ug/g	20		5480	5050	3060	3030	7240			

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

APPROVAL: _____
Mina Nasirai
Organic Lab Supervisor

Client: **SAIC Canada**
335 River Rd. South
Ottawa, ON
K1V 1C7
Attention: **Mr. Rob Focht**

Report Number: 2717823
Date: 2007-08-10
Date Submitted: 2007-08-09
Project:
P.O. Number:
Chain of Custody Number: 63518
Matrix: Soil

	LAB ID:	563570	563571	563572	563573	563574	GUIDELINE		
	Sample Date:	2007-08-09	2007-08-09	2007-08-09	2007-08-09	2007-08-09			
	Sample ID:	T0B	TF10A	TF10B	TP10A	TP10B			
PARAMETER	UNITS	MRL					TYPE	LIMIT	UNITS
PERCENT MOISTURE									
Moisture	%	0.1	49.5	48.6	48.8	49.3	48.3			
BTEX									
Benzene	ug/g	0.05	<0.05	<0.05	<0.05	<0.05	<0.05			
Ethylbenzene	ug/g	0.1	0.9	0.2	0.3	<0.1	<0.1			
Toluene	ug/g	0.1	0.5	<0.1	<0.1	<0.1	<0.1			
m/p-xylene	ug/g	0.2	1.7	0.8	1.1	0.4	0.2			
o-xylene	ug/g	0.1	1.9	0.4	0.5	0.2	0.1			
BTEX SURROGATES									
Toluene-d8	%		99	101	101	103	102			
Total Petroleum Hydrocarbons									
GRO (<C10)	ug/g	20	191	100	100	96	93			
DRO (C10-C24)	ug/g	20	2670	2680	2260	2680	2330			
GRO + DRO	ug/g	20	2860	2780	2360	2780	2423			

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration
Comment:

APPROVAL: _____
Mina Nasirai
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Client: SAIC Canada
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Attention: Mr. Rob Focht

Report Number: 2717823
Date: 2007-08-10
Date Submitted: 2007-08-09

Project:

P.O. Number:

Chain of Custody Number: 63518

Matrix: Soil

			LAB ID:					GUIDELINE		
			Sample Date:							
			Sample ID:							
PARAMETER	UNITS	MRL						TYPE	LIMIT	UNITS
PERCENT MOISTURE										
Moisture	%	0.1	74.8							
BTEX										
Benzene	ug/g	0.05	<0.05							
Ethylbenzene	ug/g	0.1	0.9							
Toluene	ug/g	0.1	0.7							
m/p-xylene	ug/g	0.2	3.6							
o-xylene	ug/g	0.1	1.7							
BTEX SURROGATES										
Toluene-d8	%		98							
Total Petroleum Hydrocarbons										
GRO (<C10)	ug/g	20	147							
DRO (C10-C24)	ug/g	20	2230							
GRO + DRO	ug/g	20	2377							

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

APPROVAL: _____
Mina Nasirai
Organic Lab Supervisor

Client: SAIC Canada
335 River Rd. South
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Report Number: 2718086
Date: 2007-08-16
Date Submitted: 2007-08-13
Project: 8702-1341
P.O. Number: 270393
Matrix: Soil

Chain of Custody Number: 63520

			LAB ID:	564292	564293	564294	564295	564296	GUIDELINE		
			Sample Date:	2007-08-08	2007-08-08	2007-08-08	2007-08-08	2007-08-08			
			Sample ID:	TF50A	TF50B	TF100A	TF100B	TP50A			
PARAMETER	UNITS	MRL							TYPE	LIMIT	UNITS
BTEX											
Benzene	ug/g	0.05		<0.05	<0.05	<0.05	<0.05	<0.05			
Ethylbenzene	ug/g	0.1		<0.1	<0.1	<0.1	<0.1	<0.1			
Toluene	ug/g	0.1		<0.1	<0.1	<0.1	<0.1	<0.1			
m/p-xylene	ug/g	0.2		<0.2	<0.2	<0.2	<0.2	<0.2			
o-xylene	ug/g	0.1		0.1	<0.1	<0.1	<0.1	<0.1			
BTEX SURROGATES											
Toluene-d8	%			100	101	100	100	99			
Total Petroleum Hydrocarbons											
GRO (<C10)	ug/g	20		70	65	73	63	67			
DRO (C10-C24)	ug/g	20		1610	2730	3900	2720	2170			
GRO + DRO	ug/g	20		1680	2800	3970	2780	2240			

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration
Comment:

APPROVAL: _____
Mina Nasirai
Organic Lab Supervisor

D-26

Client: **SAIC Canada**
335 River Rd. South
Ottawa, ON
K1V 1C7
Attention: **Mr. Rob Focht**

Report Number: 2718086
Date: 2007-08-16
Date Submitted: 2007-08-13

Project: 8702-1341

P.O. Number: 270393
Matrix: Soil

Chain of Custody Number: **63520**

			LAB ID:	564297	564298	564299	564300	564301	GUIDELINE		
			Sample Date:	2007-08-08	2007-08-08	2007-08-08	2007-08-08	2007-08-08			
			Sample ID:	TP50B	TP100A	TP100B	TA50A	TA50B			
PARAMETER	**UNITS**	**MRL**							**TYPE**	**LIMIT**	**UNITS**
BTEX											
Benzene	ug/g	0.05		<0.05	<0.05	<0.05	<0.05	<0.05			
Ethylbenzene	ug/g	0.1		<0.1	<0.1	<0.1	0.6	0.9			
Toluene	ug/g	0.1		<0.1	<0.1	<0.1	0.4	0.6			
m/p-xylene	ug/g	0.2		<0.2	<0.2	<0.2	2.4	3.6			
o-xylene	ug/g	0.1		<0.1	<0.1	0.1	1.2	1.8			
BTEX SURROGATES											
Toluene-d8	%			100	99	99	101	98			
Total Petroleum Hydrocarbons											
GRO (<C10)	ug/g	20		41	46	72	113	143			
DRO (C10-C24)	ug/g	20		1540	2710	2660	3930	4460			
GRO + DRO	ug/g	20		1580	2760	2730	4040	4600			

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration

Comment:

APPROVAL: _____
Mina Nasirai
Organic Lab Supervisor

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Matrix: Soil

Chain of Custody Number: **63520**

			LAB ID:	564302	564303				GUIDELINE	
			Sample Date:	2007-08-08	2007-08-08					
			Sample ID:	TA100A	TA100B					
PARAMETER	**UNITS**	**MRL**						**TYPE**	**LIMIT**	**UNITS**
BTEX										
Benzene	ug/g	0.05		<0.05	<0.05					
Ethylbenzene	ug/g	0.1		0.8	0.8					
Toluene	ug/g	0.1		0.4	0.5					
m/p-xylene	ug/g	0.2		3.2	3.5					
o-xylene	ug/g	0.1		1.5	1.7					
BTEX SURROGATES										
Toluene-d8	%			99	101					
Total Petroleum Hydrocarbons										
GRO (<C10)	ug/g	20		133	134					
DRO (C10-C24)	ug/g	20		3850	5440					
GRO + DRO	ug/g	20		3980	5570					

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MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration
Comment:

APPROVAL: _____
Mina Nasirai
Organic Lab Supervisor

APPENDIX E

EPA REGION 9 PRELIMINARY REMEDIATION GOALS

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Key: SFo,I = Cancer Slope Factor oral, inhalation; RfDo,I = Reference Dose oral, inhalation; I = IRIS; p = PPRTV; c = California EPA; n = NCEA; h = HEAST; x = Withdrawn; r = Route-extrapolation; ca = Cancer PRG; nc = Non-cancer PRG; ca* (where nc PRG <100X ca PRG)
ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
8.7E-03	i	4.0E-03	i	8.7E-03	r	4.0E-03	r	0.1	30560-19-1	Acephate	5.6E+01	ca**	2.0E+02	ca*	7.7E-01	ca*	7.7E+00	ca*		
				7.7E-03	i	2.6E-03	i	y	75-07-0	Acetaldehyde	1.1E+01	ca**	2.3E+01	ca**	8.7E-01	ca*	1.7E+00	ca		
		2.0E-02	i			2.0E-02	r	0.1	34256-82-1	Acetochlor	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		9.0E-01	i			9.0E-01	r	y	67-64-1	**Acetone**	1.4E+04	nc	5.4E+04	nc	3.3E+03	nc	5.5E+03	nc	1.6E+01	8.0E-01
		8.0E-04	h			8.0E-04	r	0.1	75-86-5	Acetone cyanohydrin	4.9E+01	nc	4.9E+02	nc	2.9E+00	nc	2.9E+01	nc		
		1.7E-02	r			1.7E-02	i	y	75-05-8	Acetonitrile	4.2E+02	nc	1.8E+03	nc	6.2E+01	nc	1.0E+02	nc		
		5.0E-04	i			5.7E-06	i	y	107-02-8	**Acrolein**	1.0E-01	nc	3.4E-01	nc	2.1E-02	nc	4.2E-02	nc		
4.5E+00	i	2.0E-04	i	4.5E+00	i	2.0E-04	r	0.1	79-06-1	Acrylamide	1.1E-01	ca	3.8E-01	ca	1.5E-03	ca	1.5E-02	ca		
		5.0E-01	i			2.9E-04	i	0.1	79-10-7	Acrylic acid	2.9E+04	nc	1.0E+05	max	1.0E+00	nc	1.8E+04	nc		
5.4E-01	i	1.0E-03	h	2.4E-01	i	5.7E-04	i	y	107-13-1	Acrylonitrile	2.1E-01	ca*	4.9E-01	ca*	2.8E-02	ca*	3.9E-02	ca*		
1.0E+00	r			1.0E+00	c			y		**"CAL-Modified PRG"**	5.5E-02	ca	1.2E-01	ca	6.7E-03	ca	1.1E-02	ca		
8.1E-02	h	1.0E-02	i	8.0E-02	r	1.0E-02	r	0.1	15972-60-8	Alachlor	6.0E+00	ca	2.1E+01	ca	8.4E-02	ca	8.4E-01	ca		
		1.5E-01	i			1.5E-01	r	0.1	1596-84-5	Alar	9.2E+03	nc	9.2E+04	nc	5.5E+02	nc	5.5E+03	nc		
		1.0E-03	i			1.0E-03	r	0.1	116-06-3	Aldicarb	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		1.0E-03	i			1.0E-03	r	0.1	1646-88-4	Aldicarb sulfone	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
1.7E+01	i	3.0E-05	i	1.7E+01	i	3.0E-05	r	0.1	309-00-2	Aldrin	2.9E-02	ca*	1.0E-01	ca	3.9E-04	ca	4.0E-03	ca	5.0E-01	2.0E-02
		2.5E-01	i			2.5E-01	r	0.1	74223-64-6	Ally	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		5.0E-03	i			5.0E-03	r	0.1	107-18-6	Allyl alcohol	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.9E-04	r			2.9E-04	i	0.1	107-05-1	**Allyl chloride**	1.7E+01	nc	1.8E+02	nc	1.0E+00	nc	1.0E+01	nc		
		1.0E+00	p			1.4E-03	p		7429-90-5	Aluminum	7.6E+04	nc	1.0E+05	max	5.1E+00	nc	3.6E+04	nc		
		4.0E-04	i						20859-73-8	Aluminum phosphide	3.1E+01	nc	4.1E+02	nc			1.5E+01	nc		
		3.0E-04	i			3.0E-04	r	0.1	67485-29-4	Amdro	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
		9.0E-03	i			9.0E-03	r	0.1	834-12-8	Ametryn	5.5E+02	nc	5.5E+03	nc	3.3E+01	nc	3.3E+02	nc		
		2.0E-04	n			2.0E-04	r	0.1	1321-12-6	**Aminodinitrotoluene**	1.2E+01	nc	1.2E+02	nc	7.3E-01	nc	7.3E+00	nc		
		7.0E-02	h			7.0E-02	r	0.1	591-27-5	m-Aminophenol	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
		2.0E-05	h			2.0E-05	r	0.1	504-24-5	4-Aminopyridine	1.2E+00	nc	1.2E+01	nc	7.3E-02	nc	7.3E-01	nc		
		2.5E-03	i			2.5E-03	r	0.1	33089-61-1	Amitraz	1.5E+02	nc	1.5E+03	nc	9.1E+00	nc	9.1E+01	nc		
						2.9E-02	i		7664-41-7	Ammonia					1.0E+02	nc				
		2.0E-01	i					0.1	7773-06-0	Ammonium sulfamate	1.2E+04	nc	1.0E+05	max			7.3E+03	nc		
5.7E-03	i	7.0E-03	p	5.7E-03	r	2.9E-04	i	0.1	62-53-3	Aniline	8.5E+01	ca**	3.0E+02	ca*	1.0E+00	nc	1.2E+01	ca*		
		4.0E-04	i						7440-36-0	Antimony and compounds	3.1E+01	nc	4.1E+02	nc			1.5E+01	nc	5.0E+00	3.0E-01
		1.3E-02	i			1.3E-02	r	0.1	74115-24-5	Apollo	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
2.5E-02	i	5.0E-02	h	2.5E-02	i	5.0E-02	r	0.1	140-57-8	Aramite	1.9E+01	ca	6.9E+01	ca	2.7E-01	ca	2.7E+00	ca		

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SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils / CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
1.5E+00	i	3.0E-04	i	1.5E+01	i			0.03 7440-38-2	Arsenic	3.9E-01	ca*	1.6E+00	ca	4.5E-04	ca	4.5E-02	ca	2.9E+01	1.0E+00
9.5E+00	c			1.2E+01	c			0.03	**"CAL-Modified PRG"**	6.2E-02	ca	2.5E-01	ca	5.6E-04	ca	7.1E-03	ca		
						1.4E-05	i	7784-42-1	Arsine (see arsenic for cancer endpoint)					5.2E-02	nc				
		9.0E-03	i			9.0E-03	r	0.1 76578-14-8	Assure	5.5E+02	nc	5.5E+03	nc	3.3E+01	nc	3.3E+02	nc		
		5.0E-02	i			5.0E-02	r	0.1 3337-71-1	Asulam	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
2.2E-01	h	3.5E-02	i	2.2E-01	r	3.5E-02	r	0.1 1912-24-9	Atrazine	2.2E+00	ca	7.8E+00	ca	3.1E-02	ca	3.0E-01	ca		
		4.0E-04	i			4.0E-04	r	0.1 71751-41-2	Avermectin B1	2.4E+01	nc	2.5E+02	nc	1.5E+00	nc	1.5E+01	nc		
1.1E-01	i			1.1E-01	i			0.1 103-33-3	Azobenzene	4.4E+00	ca	1.6E+01	ca	6.2E-02	ca	6.1E-01	ca		
		7.0E-02	i			1.4E-04	h	7440-39-3	Barium and compounds	5.4E+03	nc	6.7E+04	nc	5.2E-01	nc	2.6E+03	nc	1.6E+03	8.2E+01
		4.0E-03	i			4.0E-03	r	0.1 114-26-1	Baygon	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		3.0E-02	i			3.0E-02	r	0.1 43121-43-3	Bayleton	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		2.5E-02	i			2.5E-02	r	0.1 68359-37-5	Baythroid	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		3.0E-01	i			3.0E-01	r	0.1 1861-40-1	Benefin	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
		5.0E-02	i			5.0E-02	r	0.1 17804-35-2	Benomyl	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		3.0E-02	i			3.0E-02	r	0.1 25057-89-0	Bentazon	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		1.0E-01	i			1.0E-01	r	0.1 100-52-7	Benzaldehyde	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
5.5E-02	i	4.0E-03	i	2.7E-02	i	8.6E-03	i	y 71-43-2	**Benzene**	6.4E-01	ca*	1.4E+00	ca*	2.5E-01	ca	3.5E-01	ca	3.0E-02	2.0E-03
2.3E+02	i	3.0E-03	i	2.3E+02	i	3.0E-03	r	0.1 92-87-5	Benzidine	2.1E-03	ca	7.5E-03	ca	2.9E-05	ca	2.9E-04	ca		
		4.0E+00	i			4.0E+00	r	0.1 65-85-0	Benzoic acid	1.0E+05	max	1.0E+05	max	1.5E+04	nc	1.5E+05	nc	4.0E+02	2.0E+01
1.3E+01	i			1.3E+01	r			0.1 98-07-7	Benzotrichloride	3.7E-02	ca	1.3E-01	ca	5.2E-04	ca	5.2E-03	ca		
		3.0E-01	h			3.0E-01	r	0.1 100-51-6	Benzyl alcohol	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
1.7E-01	i	2.9E-03	r	1.7E-01	r	2.9E-03	n	y 100-44-7	Benzyl chloride	8.9E-01	ca*	2.2E+00	ca	4.0E-02	ca	6.6E-02	ca		
		2.0E-03	i	8.4E+00	i	5.7E-06	i	7440-41-7	Beryllium and compounds	1.5E+02	nc	1.9E+03	ca**	8.0E-04	ca*	7.3E+01	nc	6.3E+01	3.0E+00
		1.0E-04	i			1.0E-04	r	0.1 141-66-2	Bidrin	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		1.5E-02	i			1.5E-02	r	0.1 82657-04-3	Biphenthrin (Talstar)	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
		5.0E-02	i			5.0E-02	r	y 92-52-4	**1,1-Biphenyl**	3.0E+03	nc	2.3E+04	nc	1.8E+02	nc	3.0E+02	nc		
1.1E+00	i			1.1E+00	i			y 111-44-4	Bis(2-chloroethyl)ether	2.2E-01	ca	5.8E-01	ca	6.1E-03	ca	1.0E-02	ca	4.0E-04	2.0E-05
7.0E-02	x	4.0E-02	i	3.5E-02	x	4.0E-02	r	y 108-60-1	Bis(2-chloroisopropyl)ether	2.9E+00	ca	7.4E+00	ca	1.9E-01	ca	2.7E-01	ca		
2.2E+02	i			2.2E+02	i			y 542-88-1	Bis(chloromethyl)ether	1.9E-04	ca	4.3E-04	ca	3.1E-05	ca	5.2E-05	ca		
7.0E-02	x	4.0E-02	i	3.5E-02	x	4.0E-02	r	y 108-60-1	Bis(2-chloro-1-methylethyl)ether	2.9E+00	ca	7.4E+00	ca	1.9E-01	ca	2.7E-01	ca		
1.4E-02	i	2.0E-02	i	1.4E-02	r	2.0E-02	r	0.1 117-81-7	Bis(2-ethylhexyl)phthalate (DEHP)	3.5E+01	ca*	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
		5.0E-02	i			5.0E-02	r	0.1 80-05-7	Bisphenol A	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		2.00E-01	i			5.7E-03	h	7440-42-8	Boron	1.6E+04	nc	1.0E+05	max	2.1E+01	nc	7.3E+03	nc		
						2.0E-04	h	7637-07-2	Boron trifluoride					7.3E-01	nc				
7.0E-01	i	4.0E-03	i	7.0E-01	r	4.0E-03	r	0.1 15541-45-4	**Bromate**	6.9E-01	ca	2.5E+00	ca	9.6E-03	ca	9.6E-02	ca		
		2.0E-02	p			2.9E-03	p	y 108-86-1	Bromobenzene	2.8E+01	nc	9.2E+01	nc	1.0E+01	nc	2.0E+01	nc		

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6.2E-02	i	2.0E-02	i	6.2E-02	r	2.0E-02	r	y / 75-27-4	Bromodichloromethane	8.2E-01	ca	1.8E+00	ca	1.1E-01	ca	1.8E-01	ca	6.0E-01	3.0E-02
7.9E-03	i	2.0E-02	i	3.9E-03	i	2.0E-02	r	0.1 / 75-25-2	Bromoform (tribromomethane)	6.2E+01	ca*	2.2E+02	ca*	1.7E+00	ca*	8.5E+00	ca*	8.0E-01	4.0E-02
		1.4E-03	i			1.4E-03	i	y / 74-83-9	Bromomethane (Methyl bromide)	3.9E+00	nc	1.3E+01	nc	5.2E+00	nc	8.7E+00	nc	2.0E-01	1.0E-02
		5.0E-03	h			5.0E-03	r	0.1 / 2104-96-3	Bromophos	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.0E-02	i			2.0E-02	r	0.1 / 1689-84-5	Bromoxynil	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-02	i			2.0E-02	r	0.1 / 1689-99-2	Bromoxynil octanoate	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
1.1E-01	r	5.7E-04	r	1.1E-01	i	5.7E-04	i	y / 106-99-0	**1,3-Butadiene**	5.8E-02	ca*	1.2E-01	ca*	6.1E-02	ca*	1.0E-01	ca*		
6.0E-01	r	5.7E-03	r	6.0E-01	c	5.7E-03	c	y / 106-99-0	**"CAL-Modified PRG"**	1.1E-02	ca	2.3E-02	ca	1.1E-02	ca	1.9E-02	ca		
		1.0E-01	i			2.6E-03	n	0.1 / 71-36-3	1-Butanol	6.1E+03	nc	6.1E+04	nc	9.5E+00	nc	3.6E+03	nc	1.7E+01	9.0E-01
		5.0E-02	i			5.0E-02	r	0.1 / 2008-41-5	Butylate	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		4.0E-02	n			4.0E-02	r	y / 104-51-8	n-Butylbenzene	2.4E+02	sat	2.4E+02	sat	1.5E+02	nc	2.4E+02	nc		
		4.0E-02	n			4.0E-02	r	y / 135-9-88	sec-Butylbenzene	2.2E+02	sat	2.2E+02	sat	1.5E+02	nc	2.4E+02	nc		
		4.0E-02	n			4.0E-02	r	y / 98-06-6	tert-Butylbenzene	3.9E+02	sat	3.9E+02	sat	1.5E+02	nc	2.4E+02	nc		
		2.0E-01	i			2.0E-01	r	0.1 / 85-68-7	Butyl benzyl phthalate	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc	9.3E+02	8.1E+02
		1.0E+00	i			1.0E+00	r	0.1 / 85-70-1	Butylphthalyl butylglycolate	6.1E+04	nc	1.0E+05	max	3.7E+03	nc	3.6E+04	nc		
		5.0E-04	i	6.3E+00	i			0.001 / 7440-43-9	Cadmium and compounds	3.7E+01	nc	4.5E+02	nc	1.1E-03	ca	1.8E+01	nc	8.0E+00	4.0E-01
		5.0E-01	i			5.0E-01	r	0.1 / 105-60-2	Caprolactam	3.1E+04	nc	1.0E+05	max	1.8E+03	nc	1.8E+04	nc		
8.6E-03	h	2.0E-03	i	8.6E-03	r	2.0E-03	r	0.1 / 2425-06-1	Captafol	5.7E+01	ca**	2.0E+02	ca**	7.8E-01	ca**	7.8E+00	ca**		
3.5E-03	h	1.3E-01	i	3.5E-03	r	1.3E-01	r	0.1 / 133-06-2	Captan	1.4E+02	ca*	4.9E+02	ca	1.9E+00	ca	1.9E+01	ca		
		1.0E-01	i			1.1E-01	r	0.1 / 63-25-2	Carbaryl	6.1E+03	nc	6.2E+04	nc	4.0E+02	nc	3.6E+03	nc		
2.0E-02	h			2.0E-02	r			0.1 / 86-74-8	Carbazole	2.4E+01	ca	8.6E+01	ca	3.4E-01	ca	3.4E+00	ca	6.0E-01	3.0E-02
		5.0E-03	i			5.0E-03	r	0.1 / 1563-66-2	Carbofuran	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		1.0E-01	i			2.0E-01	i	y / 75-15-0	Carbon disulfide	3.6E+02	nc	7.2E+02	sat	7.3E+02	nc	1.0E+03	nc	3.2E+01	2.0E+00
1.3E-01	i	7.0E-04	i	5.3E-02	i	7.0E-04	r	y / 56-23-5	Carbon tetrachloride	2.5E-01	ca**	5.5E-01	ca*	1.3E-01	ca*	1.7E-01	ca*	7.0E-02	3.0E-03
		1.0E-02	i			1.0E-02	r	0.1 / 55285-14-8	Carbosulfan	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		1.0E-01	i			1.0E-01	r	0.1 / 5234-68-4	Carboxin	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		1.5E-02	i			1.5E-02	r	0.1 / 133-90-4	Chloramben	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
4.0E-01	h			4.0E-01	r			0.1 / 118-75-2	Chloranil	1.2E+00	ca	4.3E+00	ca	1.7E-02	ca	1.7E-01	ca		
3.5E-01	i	5.0E-04	i	3.5E-01	i	2.0E-04	i	0.04 / 12789-03-6	Chlordane (technical)	1.6E+00	ca*	6.5E+00	ca*	1.9E-02	ca*	1.9E-01	ca*	1.0E+01	5.0E-01
		2.0E-02	i			2.0E-02	r	0.1 / 90982-32-4	Chlorimuron-ethyl	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.0E-01	i			5.7E-05	n	/ 7782-50-5	Chlorine					2.1E-01	nc				
		3.0E-02	i			5.7E-05	i	/ 10049-04-4	Chlorine dioxide					2.1E-01	nc				
		2.0E-03	h			2.0E-03	r	0.1 / 79-11-8	Chloroacetic acid	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		8.6E-06	r			8.6E-06	i	y / 532-27-4	2-Chloroacetophenone	3.3E-02	nc	1.1E-01	nc	3.1E-02	nc	5.2E-02	nc		
		4.0E-03	i			4.0E-03	r	0.1 / 106-47-8	4-Chloroaniline	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc	7.0E-01	3.0E-02
		2.0E-02	i			1.7E-02	n	y / 108-90-7	Chlorobenzene	1.5E+02	nc	5.3E+02	nc	6.2E+01	nc	1.1E+02	nc	1.0E+00	7.0E-02

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ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils / CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
2.7E-01	h	2.0E-02	i	2.7E-01	h	2.0E-02	r	0.1 510-15-6	Chlorobenzilate	1.8E+00	ca	6.4E+00	ca	2.5E-02	ca	2.5E-01	ca		
		2.0E-01	h			2.0E-01	r	0.1 74-11-3	p-Chlorobenzoic acid	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
		2.0E-02	h			2.0E-02	r	0.1 98-56-6	4-Chlorobenzotrifluoride	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-02	h			2.0E-03	h	y 126-99-8	2-Chloro-1,3-butadiene	3.6E+00	nc	1.2E+01	nc	7.3E+00	nc	1.4E+01	nc		
		4.0E-01	h			4.0E-01	r	y 109-69-3	1-Chlorobutane	4.8E+02	sat	4.8E+02	sat	1.5E+03	nc	2.4E+03	nc		
		1.4E+01	r			1.4E+01	i	y 75-68-3	1-Chloro-1,1-difluoroethane (HCFC-142b)	3.4E+02	sat	3.4E+02	sat	5.2E+04	nc	8.7E+04	nc		
		1.4E+01	r			1.4E+01	i	y 75-45-6	Chlorodifluoromethane	3.4E+02	sat	3.4E+02	sat	5.1E+04	nc	8.5E+04	nc		
2.9E-03	n	4.0E-01	n	2.9E-03	r	2.9E+00	i	y 75-00-3	Chloroethane	3.0E+00	ca	6.5E+00	ca	2.3E+00	ca	4.6E+00	ca		
		1.0E-02	i	8.1E-02	i	1.4E-02	n	y 67-66-3	**Chloroform**	2.2E-01	ca	4.7E-01	ca	8.3E-02	ca	1.7E-01	ca	6.0E-01	3.0E-02
3.1E-02	c			1.9E-02	c			y	"CAL-Modified PRG"	9.4E-01	ca	2.0E+00	ca	3.5E-01	ca	5.3E-01	ca		
		2.6E-02	r			2.6E-02	i	y 74-87-3	**Chloromethane (methyl chloride)**	4.7E+01	nc	1.6E+02	nc	9.5E+01	nc	1.6E+02	nc		
5.8E-01	h			5.8E-01	r			0.1 95-69-2	4-Chloro-2-methylaniline	8.4E-01	ca	3.0E+00	ca	1.2E-02	ca	1.2E-01	ca		
4.6E-01	h			4.6E-01	r			0.1 3165-93-3	4-Chloro-2-methylaniline hydrochloride	1.1E+00	ca	3.7E+00	ca	1.5E-02	ca	1.5E-01	ca		
		8.0E-02	i			8.0E-02	r	y 91-58-7	beta-Chloronaphthalene	4.9E+03	nc	2.3E+04	nc	2.9E+02	nc	4.9E+02	nc		
9.7E-03	p	1.0E-03	p	9.7E-03	r	2.0E-05	p	y 88-73-3	o-Chloronitrobenzene	1.4E+00	nc**	4.5E+00	nc**	7.3E-02	nc**	1.5E-01	nc**		
6.7E-03	p	1.0E-03	p	6.7E-03	r	1.7E-04	p	y 100-00-5	p-Chloronitrobenzene	1.0E+01	nc**	3.7E+01	nc**	6.2E-01	nc**	1.2E+00	nc**		
		5.0E-03	i			5.0E-03	r	y 95-57-8	2-Chlorophenol	6.3E+01	nc	2.4E+02	nc	1.8E+01	nc	3.0E+01	nc	4.0E+00	2.0E-01
		2.9E-02	r			2.9E-02	h	y 75-29-6	2-Chloropropane	1.7E+02	nc	5.9E+02	nc	1.0E+02	nc	1.7E+02	nc		
1.1E-02	h	1.5E-02	i	1.1E-02	r	1.5E-02	r	0.1 1897-45-6	Chlorothalonil	4.4E+01	ca*	1.6E+02	ca*	6.1E-01	ca*	6.1E+00	ca*		
		2.0E-02	i			2.0E-02	r	y 95-49-8	o-Chlorotoluene	1.6E+02	nc	5.6E+02	nc	7.3E+01	nc	1.2E+02	nc		
		2.0E-01	i			2.0E-01	r	0.1 101-21-3	Chlorpropham	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
		3.0E-03	i			3.0E-03	r	0.1 2921-88-2	Chlorpyrifos	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		1.0E-02	h			1.0E-02	r	0.1 5598-13-0	Chlorpyrifos-methyl	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		5.0E-02	i			5.0E-02	r	0.1 64902-72-3	Chlorsulfuron	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		8.0E-04	h			8.0E-04	r	0.1 60238-56-4	Chlorthiophos	4.9E+01	nc	4.9E+02	nc	2.9E+00	nc	2.9E+01	nc		
				4.2E+01	i				Total Chromium (1:6 ratio Cr VI:Cr III)+++	2.1E+02	ca	4.5E+02	ca	1.6E-04	ca			3.8E+01	2.0E+00
		1.5E+00	i					16065-83-1	Chromium III	1.0E+05	max	1.0E+05	max			5.5E+04	nc		
		3.0E-03	i	2.9E+02	i	2.2E-06	i	18540-29-9	Chromium VI+++	3.0E+01	ca**	6.4E+01	ca	2.3E-05	ca	1.1E+02	nc	3.8E+01	2.0E+00
		2.0E-02	p	9.8E+00	p	5.7E-06	p	7440-48-4	Cobalt	9.0E+02	ca**	1.9E+03	ca*	6.9E-04	ca*	7.3E+02	nc		
				2.2E+00	i			8007-45-2	Coke Oven Emissions					3.1E-03	ca				
		4.0E-02	h					7440-50-8	Copper and compounds	3.1E+03	nc	4.1E+04	nc			1.5E+03	nc		
1.9E+00	h			1.9E+00	r			y 123-73-9	Crotonaldehyde	5.3E-03	ca	1.1E-02	ca	3.5E-03	ca	5.9E-03	ca		
		1.0E-01	i			1.1E-01	i	y 98-82-8	Cumene (isopropylbenzene)	5.7E+02	nc	2.0E+03	nc	4.0E+02	nc	6.6E+02	nc		
8.4E-01	h	2.0E-03	h	8.4E-01	r	2.0E-03	r	0.1 21725-46-2	Cyanazine	5.8E-01	ca	2.1E+00	ca	8.0E-03	ca	8.0E-02	ca		
		2.0E-02	i					0.1 57-12-5	Cyanide (free)	1.2E+03	nc	1.2E+04	nc			7.3E+02	nc		
		2.0E-02	i			8.6E-04	i	y 74-90-8	Cyanide (hydrogen)	1.1E+01	nc	3.5E+01	nc	3.1E+00	nc	6.2E+00	nc		

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		4.0E-02	i			4.0E-02	r	y	460-19-5	Cyanogen	1.3E+02	nc	4.3E+02	nc	1.5E+02	nc	2.4E+02	nc		
		9.0E-02	i			9.0E-02	r	y	506-68-3	Cyanogen bromide	2.9E+02	nc	9.7E+02	nc	3.3E+02	nc	5.5E+02	nc		
		5.0E-02	i			5.0E-02	r	y	506-77-4	Cyanogen chloride	1.6E+02	nc	5.4E+02	nc	1.8E+02	nc	3.0E+02	nc		
		1.7E+00	r			1.7E+00	i	y	110-82-7	**Cyclohexane**	1.4E+02	sat	1.4E+02	sat	6.2E+03	nc	1.0E+04	nc		
		5.0E+00	i			5.0E+00	r	0.1	108-94-1	Cyclohexanone	1.0E+05	max	1.0E+05	max	1.8E+04	nc	1.8E+05	nc		
		2.0E-01	i			2.0E-01	r	0.1	108-91-8	Cyclohexylamine	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
		5.0E-03	i			5.0E-03	r	0.1	68085-85-8	Cyhalothrin/Karate	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		1.0E-02	i			1.0E-02	r	0.1	52315-07-8	Cypermethrin	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		7.5E-03	i			7.5E-03	r	0.1	66215-27-8	Cyromazine	4.6E+02	nc	4.6E+03	nc	2.7E+01	nc	2.7E+02	nc		
		1.0E-02	i			1.0E-02	r	0.1	1861-32-1	Dacthal	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		3.0E-02	i			3.0E-02	r	0.1	75-99-0	Dalapon	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		2.5E-02	i			2.5E-02	r	0.1	39515-41-8	Danitol	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
2.4E-01	i			2.4E-01	r			0.03	72-54-8	DDD	2.4E+00	ca	1.0E+01	ca	2.8E-02	ca	2.8E-01	ca	1.6E+01	8.0E-01
3.4E-01	i			3.4E-01	r			0.03	72-55-9	DDE	1.7E+00	ca	7.0E+00	ca	2.0E-02	ca	2.0E-01	ca	5.4E+01	3.0E+00
3.4E-01	i	5.0E-04	i	3.4E-01	i	5.0E-04	r	0.03	50-29-3	DDT	1.7E+00	ca*	7.0E+00	ca*	2.0E-02	ca*	2.0E-01	ca*	3.2E+01	2.0E+00
		1.0E-02	i			1.0E-02	r	0.1	1163-19-5	Decabromodiphenyl ether	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		4.0E-05	i			4.0E-05	r	0.1	8065-48-3	Demeton	2.4E+00	nc	2.5E+01	nc	1.5E-01	nc	1.5E+00	nc		
6.1E-02	h			6.1E-02	r			0.1	2303-16-4	Diallate	8.0E+00	ca	2.8E+01	ca	1.1E-01	ca	1.1E+00	ca		
		9.0E-04	h			9.0E-04	r	0.1	333-41-5	Diazinon	5.5E+01	nc	5.5E+02	nc	3.3E+00	nc	3.3E+01	nc		
		2.0E-03	n			2.0E-03	r	y	132-64-9	**Dibenzofuran**	1.5E+02	nc	1.6E+03	nc	7.3E+00	nc	1.2E+01	nc		
		1.0E-02	i			1.0E-02	r	0.1	106-37-6	1,4-Dibromobenzene	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
8.4E-02	i	2.0E-02	i	8.4E-02	r	2.0E-02	r	y	124-48-1	Dibromochloromethane	1.1E+00	ca	2.6E+00	ca	8.0E-02	ca	1.3E-01	ca	4.0E-01	2.0E-02
1.4E+00	h	5.7E-05	r	2.4E-03	x	5.7E-05	i	y	96-12-8	**1,2-Dibromo-3-chloropropane (DBCP)**	4.6E-01	ca**	2.0E+00	ca**	2.1E-01	nc	4.8E-02	ca**		
7.0E+00	c			7.0E+00	c			y	96-12-8	**"CAL-Modified PRG"**	3.0E-02	ca	7.6E-02	ca	9.6E-04	ca	1.6E-03	ca		
2.0E+00	i	9.0E-03	i	2.0E+00	i	2.6E-03	i	y	106-93-4	**1,2-Dibromoethane (EDB)**	3.2E-02	ca	7.3E-02	ca	3.4E-03	ca	5.6E-03	ca		
		1.0E-01	i			1.0E-01	r	0.1	84-74-2	Dibutyl phthalate	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc	2.3E+03	2.7E+02
		3.0E-02	i			3.0E-02	r	0.1	1918-00-9	Dicamba	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		9.0E-02	i			5.7E-02	h	y	95-50-1	**1,2-Dichlorobenzene**	6.0E+02	sat	6.0E+02	sat	2.1E+02	nc	3.7E+02	nc	1.7E+01	9.0E-01
		3.0E-02	n			3.0E-02	r	y	541-73-1	**1,3-Dichlorobenzene**	5.3E+02	nc	6.0E+02	sat	1.1E+02	nc	1.8E+02	nc		
2.4E-02	h	3.0E-02	n	2.2E-02	n	2.3E-01	i	y	106-46-7	1,4-Dichlorobenzene	3.4E+00	ca	7.9E+00	ca	3.1E-01	ca	5.0E-01	ca	2.0E+00	1.0E-01
4.5E-01	i			4.5E-01	r			0.1	91-94-1	3,3-Dichlorobenzidine	1.1E+00	ca	3.8E+00	ca	1.5E-02	ca	1.5E-01	ca	7.0E-03	3.0E-04
		3.0E-02	n			3.0E-02	r	0.1	90-98-2	4,4'-Dichlorobenzophenone	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
9.3E+00	r			9.3E+00	h			y	764-41-0	1,4-Dichloro-2-butene	7.9E-03	ca	1.8E-02	ca	7.2E-04	ca	1.2E-03	ca		
		2.0E-01	i			5.7E-02	h	y	75-71-8	Dichlorodifluoromethane	9.4E+01	nc	3.1E+02	nc	2.1E+02	nc	3.9E+02	nc		
		1.0E-01	h			1.4E-01	h	y	75-34-3	1,1-Dichloroethane	5.1E+02	nc	1.7E+03	nc	5.2E+02	nc	8.1E+02	nc	2.3E+01	1.0E+00
5.7E-03	c			5.7E-03	c			y		"CAL-Modified PRG"	2.8E+00	ca	6.0E+00	ca	1.2E+00	ca	2.0E+00	ca		

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils / CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
9.1E-02	i	2.0E-02	n	9.1E-02	i	1.4E-03	n	y 107-06-2	1,2-Dichloroethane (EDC)	2.8E-01	ca*	6.0E-01	ca*	7.4E-02	ca*	1.2E-01	ca*	2.0E-02	1.0E-03
		5.0E-02	i			5.7E-02	i	y 75-35-4	1,1-Dichloroethylene	1.2E+02	nc	4.1E+02	nc	2.1E+02	nc	3.4E+02	nc	6.0E-02	3.0E-03
		1.0E-02	p			1.0E-02	r	y 156-59-2	1,2-Dichloroethylene (cis)	4.3E+01	nc	1.5E+02	nc	3.7E+01	nc	6.1E+01	nc	4.0E-01	2.0E-02
		2.0E-02	i			2.0E-02	r	y 156-60-5	1,2-Dichloroethylene (trans)	6.9E+01	nc	2.3E+02	nc	7.3E+01	nc	1.2E+02	nc	7.0E-01	3.0E-02
		3.0E-03	i			3.0E-03	r	0.1 120-83-2	2,4-Dichlorophenol	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc	1.0E+00	5.0E-02
		8.0E-03	i			8.0E-03	r	0.1 94-82-6	4-(2,4-Dichlorophenoxy)butyric Acid (2,4-DB)	4.9E+02	nc	4.9E+03	nc	2.9E+01	nc	2.9E+02	nc		
		1.0E-02	i			1.0E-02	r	0.05 94-75-7	2,4-Dichlorophenoxyacetic Acid (2,4-D)	6.9E+02	nc	7.7E+03	nc	3.7E+01	nc	3.6E+02	nc		
6.8E-02	h	1.1E-03	r	6.8E-02	r	1.1E-03	i	y 78-87-5	1,2-Dichloropropane	3.4E-01	ca*	7.4E-01	ca*	9.9E-02	ca*	1.6E-01	ca*	3.0E-02	1.0E-03
		2.0E-02	p			2.0E-02	r	y 142-28-9	**1,3-Dichloropropane**	1.0E+02	nc	3.6E+02	nc	7.3E+01	nc	1.2E+02	nc		
1.0E-01	i	3.0E-02	i	1.4E-02	i	5.7E-03	i	y 542-75-6	1,3-Dichloropropene	7.8E-01	ca	1.8E+00	ca	4.8E-01	ca	4.0E-01	ca	4.0E-03	2.0E-04
		3.0E-03	i			3.0E-03	r	0.1 616-23-9	2,3-Dichloropropanol	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
2.9E-01	i	5.0E-04	i	2.9E-01	r	1.4E-04	i	0.1 62-73-7	Dichlorvos	1.7E+00	ca*	5.9E+00	ca*	2.3E-02	ca*	2.3E-01	ca*		
4.4E-01	x			4.4E-01	r			0.1 115-32-2	Dicofol	1.1E+00	ca	3.9E+00	ca	1.5E-02	ca	1.5E-01	ca		
		3.0E-02	h			5.7E-05	x	y 77-73-6	Dicyclopentadiene	5.4E-01	nc	1.8E+00	nc	2.1E-01	nc	4.2E-01	nc		
1.6E+01	i	5.0E-05	i	1.6E+01	i	5.0E-05	r	0.1 60-57-1	Dieldrin	3.0E-02	ca	1.1E-01	ca	4.2E-04	ca	4.2E-03	ca	4.0E-03	2.0E-04
		1.0E-02	p			5.7E-03	p	0.1 112-34-5	Diethylene glycol, monobutyl ether	6.1E+02	nc	6.2E+03	nc	2.1E+01	nc	3.6E+02	nc		
		6.0E-02	p			8.6E-04	p	0.1 111-90-0	Diethylene glycol, monoethyl ether	3.7E+03	nc	3.7E+04	nc	3.1E+00	nc	2.2E+03	nc		
		4.0E-04	p			4.0E-04	r	0.1 617-84-5	Diethylformamide	2.4E+01	nc	2.5E+02	nc	1.5E+00	nc	1.5E+01	nc		
1.2E-03	i	6.0E-01	i	1.2E-03	r	6.0E-01	r	0.1 103-23-1	Di(2-ethylhexyl)adipate	4.1E+02	ca	1.4E+03	ca	5.6E+00	ca	5.6E+01	ca		
		8.0E-01	i			8.0E-01	r	0.1 84-66-2	Diethyl phthalate	4.9E+04	nc	1.0E+05	max	2.9E+03	nc	2.9E+04	nc		
4.7E+03	h			4.7E+03	r			0.1 56-53-1	Diethylstilbestrol	1.0E-04	ca	3.7E-04	ca	1.4E-06	ca	1.4E-05	ca		
		8.0E-02	i			8.0E-02	r	0.1 43222-48-6	Difenzoquat (Avenge)	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		2.0E-02	i			2.0E-02	r	0.1 35367-38-5	Diflubenzuron	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.1E+01	r			1.1E+01	i	y 75-37-6	1,1-Difluoroethane					4.2E+04	nc	6.9E+04	nc		
		2.0E-02	n			2.0E-02	r	0.1 28553-12-0	Diisononyl phthalate	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
						1.1E-01	p	108-20-3	**Diisopropyl ether**					4.0E+02	nc				
		8.0E-02	i			8.0E-02	r	0.1 1445-75-6	Diisopropyl methylphosphonate	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		2.0E-02	i			2.0E-02	r	0.1 55290-64-7	Dimethipin	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-04	i			2.0E-04	r	0.1 60-51-5	Dimethoate	1.2E+01	nc	1.2E+02	nc	7.3E-01	nc	7.3E+00	nc		
1.4E-02	h			1.4E-02	r			0.1 119-90-4	3,3'-Dimethoxybenzidine	3.5E+01	ca	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
		5.7E-06	r			5.7E-06	x	y 124-40-3	Dimethylamine	6.7E-02	nc	2.5E-01	nc	2.1E-02	nc	3.5E-02	nc		
		2.0E-03	i			2.0E-03	r	0.1 121-69-7	N-N-Dimethylaniline	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
7.5E-01	h			7.5E-01	r			0.1 95-68-1	2,4-Dimethylaniline	6.5E-01	ca	2.3E+00	ca	9.0E-03	ca	9.0E-02	ca		
5.8E-01	h			5.8E-01	r			0.1 21436-96-4	2,4-Dimethylaniline hydrochloride	8.4E-01	ca	3.0E+00	ca	1.2E-02	ca	1.2E-01	ca		
2.3E+00	p			2.3E+00	r			0.1 119-93-7	**3,3'-Dimethylbenzidine**	2.1E-01	ca	7.5E-01	ca	2.9E-03	ca	2.9E-02	ca		
2.6E+00	x			3.5E+00	x			0.1 57-14-7	1,1-Dimethylhydrazine	1.9E-01	ca	6.6E-01	ca	1.9E-03	ca	2.6E-02	ca		

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
3.7E+01	x			3.7E+01	x			0.1	540-73-8	1,2-Dimethylhydrazine	1.3E-02	ca	4.7E-02	ca	1.8E-04	ca	1.8E-03	ca		
		1.0E-01	h			8.6E-03	i	0.1	68-12-2	N,N-Dimethylformamide	6.1E+03	nc	6.2E+04	nc	3.1E+01	nc	3.6E+03	nc		
		1.0E-03	n			1.0E-03	r	0.1	122-09-8	Dimethylphenethylamine	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		2.0E-02	i			2.0E-02	r	0.1	105-67-9	2,4-Dimethylphenol	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc	9.0E+00	4.0E-01
		6.0E-04	i			6.0E-04	r	0.1	576-26-1	2,6-Dimethylphenol	3.7E+01	nc	3.7E+02	nc	2.2E+00	nc	2.2E+01	nc		
		1.0E-03	i			1.0E-03	r	0.1	95-65-8	3,4-Dimethylphenol	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		1.0E+01	h			1.0E+01	r	0.1	131-11-3	Dimethyl phthalate	1.0E+05	max	1.0E+05	max	3.7E+04	nc	3.6E+05	nc		
		1.0E-01	i			1.0E-01	r	0.1	120-61-6	Dimethyl terephthalate	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		1.0E-04	p			1.0E-04	r	0.1	534-52-1	**4,6-Dinitro-o-cresol**	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		2.0E-03	i			2.0E-03	r	0.1	131-89-5	4,6-Dinitro-o-cyclohexyl phenol	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		1.0E-04	p			1.0E-04	r	0.1	528-29-0	1,2-Dinitrobenzene	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		1.0E-04	i			1.0E-04	r	0.1	99-65-0	1,3-Dinitrobenzene	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		1.0E-04	p			1.0E-04	r	0.1	100-25-4	1,4-Dinitrobenzene	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		2.0E-03	i			2.0E-03	r	0.1	51-28-5	2,4-Dinitrophenol	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc	3.0E-01	1.0E-02
6.8E-01	i			6.8E-01	r			0.1	25321-14-6	Dinitrotoluene mixture	7.2E-01	ca	2.5E+00	ca	9.9E-03	ca	9.9E-02	ca	8.0E-04	4.0E-05
		2.0E-03	i			2.0E-03	r	0.1	121-14-2	2,4-Dinitrotoluene (also see Dinitrotoluene mixture)	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc	8.0E-04	4.0E-05
		1.0E-03	h			1.0E-03	r	0.1	606-20-2	2,6-Dinitrotoluene (also see Dinitrotoluene mixture)	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc	7.0E-04	3.0E-05
		1.0E-03	i			1.0E-03	r	0.1	88-85-7	Dinoseb	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		4.0E-02	p			4.0E-02	r	0.1	117-84-0	di-n-Octyl phthalate	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc	1.0E+04	1.0E+04
1.1E-02	i			1.1E-02	r			0.1	123-91-1	1,4-Dioxane	4.4E+01	ca	1.6E+02	ca	6.1E-01	ca	6.1E+00	ca		
1.5E+05	h			1.5E+05	h			0.03	1746-01-6	Dioxin (2,3,7,8-TCDD)+++	3.9E-06	ca	1.6E-05	ca	4.5E-08	ca	4.5E-07	ca		
		3.0E-02	i			3.0E-02	r	0.1	957-51-7	Diphenamid	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		2.5E-02	i			2.5E-02	r	0.1	122-39-4	Diphenylamine	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		3.0E-04	p			3.0E-04	r	0.1	74-31-7	N,N-Diphenyl-1,4 benzenediamine (DPPD)	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
8.0E-01	i			8.0E-01	i			0.1	122-66-7	1,2-Diphenylhydrazine	6.1E-01	ca	2.2E+00	ca	8.4E-03	ca	8.4E-02	ca		
		3.0E-03	p			3.0E-03	r	0.1	127-63-9	Diphenyl sulfone	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		2.2E-03	i			2.2E-03	r	0.1	85-00-7	Diquat	1.3E+02	nc	1.4E+03	nc	8.0E+00	nc	8.0E+01	nc		
8.6E+00	h			8.6E+00	r			0.1	1937-37-7	Direct black 38	5.7E-02	ca	2.0E-01	ca	7.8E-04	ca	7.8E-03	ca		
8.1E+00	h			8.1E+00	r			0.1	2602-46-2	Direct blue 6	6.0E-02	ca	2.1E-01	ca	8.3E-04	ca	8.3E-03	ca		
9.3E+00	h			9.3E+00	r			0.1	16071-86-6	Direct brown 95	5.2E-02	ca	1.9E-01	ca	7.2E-04	ca	7.2E-03	ca		
		4.0E-05	i			4.0E-05	r	0.1	298-04-4	Disulfoton	2.4E+00	nc	2.5E+01	nc	1.5E-01	nc	1.5E+00	nc		
		1.0E-02	i			1.0E-02	r	0.1	505-29-3	1,4-Dithiane	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		2.0E-03	i			2.0E-03	r	0.1	330-54-1	Diuron	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		4.0E-03	i			4.0E-03	r	0.1	2439-10-3	Dodine	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		1.0E-01	n						7429-91-6	Dysprosium	7.8E+03	nc	1.0E+05	max			3.6E+03	nc		
		6.0E-03	i			6.0E-03	r	0.1	115-29-7	Endosulfan	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc	1.8E+01	9.0E-01

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SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		2.0E-02	i			2.0E-02	r	0.1	145-73-3	Endothall	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		3.0E-04	i			3.0E-04	r	0.1	72-20-8	Endrin	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc	1.0E+00	5.0E-02
9.9E-03	i	2.0E-03	h	4.2E-03	h	2.9E-04	i	y	106-89-8	Epichlorohydrin	7.6E+00	nc	2.6E+01	nc	1.0E+00	nc	2.0E+00	nc		
8.00E-02	r			8.00E-02	c			y		**"CAL-Modified PRG"**	1.3E+00	nc	2.9E+00	nc	8.4E-02	nc	1.4E-01	nc		
		5.7E-03	r			5.7E-03	i	0.1	106-88-7	1,2-Epoxybutane	3.5E+02	nc	3.5E+03	nc	2.1E+01	nc	2.1E+02	nc		
		2.5E-02	i			2.5E-02	r	0.1	759-94-4	EPTC (S-Ethyl dipropylthiocarbamate)	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		5.0E-03	i			5.0E-03	r	0.1	16672-87-0	Ethephon (2-chloroethyl phosphonic acid)	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		5.0E-04	i			5.0E-04	r	0.1	563-12-2	Ethion	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
		4.0E-01	h			5.7E-02	i	0.1	110-80-5	2-Ethoxyethanol	2.4E+04	nc	1.0E+05	max	2.1E+02	nc	1.5E+04	nc		
		3.0E-01	h			3.0E-01	r	0.1	111-15-9	2-Ethoxyethanol acetate	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
		9.0E-01	i			9.0E-01	r	y	141-78-6	Ethyl acetate	1.9E+04	nc	3.7E+04	sat	3.3E+03	nc	5.5E+03	nc		
4.8E-02	h			4.8E-02	r			y	140-88-5	Ethyl acrylate	2.1E-01	ca	4.5E-01	ca	1.4E-01	ca	2.3E-01	ca		
		1.0E-01	i			2.9E-01	i	y	100-41-4	**Ethylbenzene**	4.0E+02	sat	4.0E+02	sat	1.1E+03	nc	1.3E+03	nc	1.3E+01	7.0E-01
2.9E-03	n	4.0E-01	n	2.9E-03	r	2.9E+00	i	y	75-00-3	Ethyl chloride	3.0E+00	ca	6.5E+00	ca	2.3E+00	ca	4.6E+00	ca		
		3.0E-01	h			3.0E-01	r	0.1	109-78-4	Ethylene cyanohydrin	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc		
		9.0E-02	p			9.0E-02	r	0.1	107-15-3	**Ethylene diamine**	5.5E+03	nc	5.5E+04	nc	3.3E+02	nc	3.3E+03	nc		
		2.0E+00	i			2.0E+00	r	0.1	107-21-1	Ethylene glycol	1.0E+05	max	1.0E+05	max	7.3E+03	nc	7.3E+04	nc		
		5.0E-01	i			3.7E+00	i	0.1	111-76-2	Ethylene glycol, monobutyl ether	3.1E+04	nc	1.0E+05	max	1.4E+04	nc	1.8E+04	nc		
1.0E+00	h			3.5E-01	h			y	75-21-8	Ethylene oxide	1.4E-01	ca	3.4E-01	ca	1.9E-02	ca	2.4E-02	ca		
1.1E-01	h	8.0E-05	i	1.1E-01	r	8.0E-05	r	0.1	96-45-7	Ethylene thiourea (ETU)	4.4E+00	ca**	1.6E+01	ca**	6.1E-02	ca**	6.1E-01	ca**		
		2.0E-01	i			2.0E-01	r	y	60-29-7	Ethyl ether	1.8E+03	sat	1.8E+03	sat	7.3E+02	nc	1.2E+03	nc		
		9.0E-02	h			9.0E-02	r	y	97-63-2	Ethyl methacrylate	1.4E+02	sat	1.4E+02	sat	3.3E+02	nc	5.5E+02	nc		
		1.0E-05	i			1.0E-05	r	0.1	2104-64-5	Ethyl p-nitrophenyl phenylphosphorothioate	6.1E-01	nc	6.2E+00	nc	3.7E-02	nc	3.6E-01	nc		
		3.0E+00	i			3.0E+00	r	0.1	84-72-0	Ethylphthalyl ethyl glycolate	1.0E+05	max	1.0E+05	max	1.1E+04	nc	1.1E+05	nc		
		8.0E-03	i			8.0E-03	r	0.1	101200-48-0	Express	4.9E+02	nc	4.9E+03	nc	2.9E+01	nc	2.9E+02	nc		
		2.5E-04	i			2.5E-04	r	0.1	22224-92-6	Fenamiphos	1.5E+01	nc	1.5E+02	nc	9.1E-01	nc	9.1E+00	nc		
		1.3E-02	i			1.3E-02	r	0.1	2164-17-2	Fluometuron	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		6.0E-02	i					0.1	16984-48-8	Flourine (soluble flouride)	3.7E+03	nc	3.7E+04	nc			2.2E+03	nc		
		8.0E-02	i			8.0E-02	r	0.1	59756-60-4	Fluoridone	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		2.0E-02	i			2.0E-02	r	0.1	56425-91-3	Flurprimidol	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		6.0E-02	i			6.0E-02	r	0.1	66332-96-5	Flutolanil	3.7E+03	nc	3.7E+04	nc	2.2E+02	nc	2.2E+03	nc		
		1.0E-02	i			1.0E-02	r	0.1	69409-94-5	Fluvalinate	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
3.5E-03	i	1.0E-01	i	3.5E-03	r	1.0E-01	r	0.1	133-07-3	Folpet	1.4E+02	ca*	4.9E+02	ca	1.9E+00	ca	1.9E+01	ca		
1.9E-01	i			1.9E-01	r			0.1	72178-02-0	Fomesafen	2.6E+00	ca	9.1E+00	ca	3.5E-02	ca	3.5E-01	ca		
		2.0E-03	i			2.0E-03	r	0.1	944-22-9	Fonofos	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		1.5E-01	i	4.6E-02	i			0.1	50-00-0	Formaldehyde	9.2E+03	nc	1.0E+05	nc	1.5E-01	ca	5.5E+03	nc		

Key: SFo,I = Cancer Slope Factor oral, inhalation; RfDo,I = Reference Dose oral, inhalation; I = IRIS; p = PPRTV; c = California EPA; n = NCEA; h = HEAST; x = Withdrawn; r = Route-extrapolation; ca = Cancer PRG; nc = Non-cancer PRG; ca* (where nc PRG <100X ca PRG)
ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		2.0E+00	h			8.6E-04	p	0.1	64-18-6	**Formic Acid**	1.0E+05	max	1.0E+05	max	3.1E+00	nc	7.3E+04	nc		
		3.0E+00	i			3.0E+00	r	0.1	39148-24-8	Fosetyl-al	1.0E+05	max	1.0E+05	max	1.1E+04	nc	1.1E+05	nc		
		3.0E+01	i			8.6E+00	h	y	76-13-1	Freon 113	5.6E+03	sat	5.6E+03	sat	3.1E+04	nc	5.9E+04	nc		
		1.0E-03	i			1.0E-03	r	y	110-00-9	Furan	2.5E+00	nc	8.5E+00	nc	3.7E+00	nc	6.1E+00	nc		
3.8E+00	h			3.8E+00	r			0.1	67-45-8	Furazolidone	1.3E-01	ca	4.5E-01	ca	1.8E-03	ca	1.8E-02	ca		
		3.0E-03	i			1.4E-02	h	0.1	98-01-1	Furfural	1.8E+02	nc	1.8E+03	nc	5.2E+01	nc	1.1E+02	nc		
5.0E+01	h			5.0E+01	r			0.1	531-82-8	Furium	9.7E-03	ca	3.4E-02	ca	1.3E-04	ca	1.3E-03	ca		
3.0E-02	i			3.0E-02	r			0.1	60568-05-0	Furmecyclox	1.6E+01	ca	5.7E+01	ca	2.2E-01	ca	2.2E+00	ca		
		4.0E-04	i			4.0E-04	r	0.1	77182-82-2	Glufosinate-ammonium	2.4E+01	nc	2.5E+02	nc	1.5E+00	nc	1.5E+01	nc		
		4.0E-04	i			2.9E-04	h	0.1	765-34-4	Glycidaldehyde	2.4E+01	nc	2.5E+02	nc	1.0E+00	nc	1.5E+01	nc		
		1.0E-01	i			1.0E-01	r	0.1	1071-83-6	Glyphosate	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		5.0E-05	i			5.0E-05	r	0.1	69806-40-2	Haloxyfop-methyl	3.1E+00	nc	3.1E+01	nc	1.8E-01	nc	1.8E+00	nc		
		1.3E-02	i			1.3E-02	r	0.1	79277-27-3	Harmony	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
4.5E+00	i	5.0E-04	i	4.6E+00	i	5.0E-04	r	0.1	76-44-8	Heptachlor	1.1E-01	ca	3.8E-01	ca	1.5E-03	ca	1.5E-02	ca	2.3E+01	1.0E+00
9.1E+00	i	1.3E-05	i	9.1E+00	i	1.3E-05	r	0.1	1024-57-3	Heptachlor epoxide	5.3E-02	ca*	1.9E-01	ca*	7.4E-04	ca*	7.4E-03	ca*	7.0E-01	3.0E-02
		2.0E-03	i			2.0E-03	r	0.1	87-82-1	Hexabromobenzene	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
1.6E+00	i	8.0E-04	i	1.6E+00	i	8.0E-04	r	0.1	118-74-1	Hexachlorobenzene	3.0E-01	ca	1.1E+00	ca	4.2E-03	ca	4.2E-02	ca	2.0E+00	1.0E-01
7.8E-02	i	3.0E-04	n	7.8E-02	i	3.0E-04	r	0.1	87-68-3	Hexachlorobutadiene	6.2E+00	ca**	2.2E+01	ca**	8.6E-02	ca*	8.6E-01	ca*	2.0E+00	1.0E-01
6.3E+00	i	5.0E-04	n	6.3E+00	i	5.0E-04	r	0.04	319-84-6	HCH (alpha)	9.0E-02	ca	3.6E-01	ca	1.1E-03	ca	1.1E-02	ca	5.0E-04	3.0E-05
1.8E+00	i	2.0E-04	n	1.8E+00	i	2.0E-04	r	0.04	319-85-7	HCH (beta)	3.2E-01	ca	1.3E+00	ca	3.7E-03	ca	3.7E-02	ca	3.0E-03	1.0E-04
1.3E+00	h	3.0E-04	i	1.3E+00	r	3.0E-04	r	0.04	58-89-9	HCH (gamma) Lindane	4.4E-01	ca*	1.7E+00	ca	5.2E-03	ca	5.2E-02	ca	9.0E-03	5.0E-04
1.8E+00	i			1.8E+00	i			0.04	608-73-1	HCH-technical	3.2E-01	ca	1.3E+00	ca	3.8E-03	ca	3.7E-02	ca	3.0E-03	1.0E-04
		6.0E-03	i			5.7E-05	i	0.1	77-47-4	Hexachlorocyclopentadiene	3.7E+02	nc	3.7E+03	nc	2.1E-01	nc	2.2E+02	nc	4.0E+02	2.0E+01
1.4E-02	i	1.0E-03	i	1.4E-02	i	1.0E-03	r	0.1	67-72-1	Hexachloroethane	3.5E+01	ca**	1.2E+02	ca**	4.8E-01	ca**	4.8E+00	ca**	5.0E-01	2.0E-02
		3.0E-04	i			3.0E-04	r	0.1	70-30-4	Hexachlorophene	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
1.1E-01	i	3.0E-03	i	1.1E-01	r	3.0E-03	r	0.1	121-82-4	Hexahydro-1,3,5-trinitro-1,3,5-triazine	4.4E+00	ca*	1.6E+01	ca	6.1E-02	ca	6.1E-01	ca		
		2.9E-06	r			2.9E-06	i	0.1	822-06-0	1,6-Hexamethylene diisocyanate	1.7E-01	nc	1.8E+00	nc	1.0E-02	nc	1.0E-01	nc		
		1.1E+01	p			5.7E-02	i	y	110-54-3	**n-Hexane**	1.1E+02	sat	1.1E+02	sat	2.1E+02	nc	4.2E+02	nc		
		3.3E-02	i			3.3E-02	r	0.1	51235-04-2	Hexazinone	2.0E+03	nc	2.0E+04	nc	1.2E+02	nc	1.2E+03	nc		
		5.0E-02	i			5.0E-02	r	0.1	2691-41-0	HMX	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
3.0E+00	i			1.7E+01	i			0.1	302-01-2	Hydrazine, hydrazine sulfate	1.6E-01	ca	5.7E-01	ca	3.9E-04	ca	2.2E-02	ca		
3.0E+00	n			1.7E+01	n			0.1	60-34-4	Hydrazine, monomethyl	1.6E-01	ca	5.7E-01	ca	4.0E-04	ca	2.2E-02	ca		
3.0E+00	n			1.7E+01	n			0.1	57-14-7	Hydrazine, dimethyl	1.6E-01	ca	5.7E-01	ca	4.0E-04	ca	2.2E-02	ca		
						5.7E-03	i		7647-01-0	Hydrogen chloride					2.1E+01	nc				
		2.0E-02	i			8.6E-04	i	y	74-90-8	Hydrogen cyanide	1.1E+01	nc	3.5E+01	nc	3.1E+00	nc	6.2E+00	nc		
		3.0E-03	i			2.9E-04	i		7783-06-4	Hydrogen sulfide					1.0E+00	nc	1.1E+02	nc		

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)	V O C	skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
5.6E-02	p	4.0E-02	p	5.6E-02	r	4.0E-02	r	0.1	123-31-9	**p-Hydroquinone**	8.7E+00	ca	3.1E+01	ca	1.2E-01	ca	1.2E+00	ca		
		1.3E-02	i			1.3E-02	r	0.1	35554-44-0	Imazalil	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		2.5E-01	i			2.5E-01	r	0.1	81335-37-7	Imazaquin	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		4.0E-02	i			4.0E-02	r	0.1	36734-19-7	Iprodione	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc		
		3.0E-01	n						7439-89-6	Iron	2.3E+04	nc	1.0E+05	max			1.1E+04	nc		
		3.0E-01	i			3.0E-01	r	y	78-83-1	Isobutanol	1.3E+04	nc	4.0E+04	sat	1.1E+03	nc	1.8E+03	nc		
9.5E-04	i	2.0E-01	i	9.5E-04	r	2.0E-01	r	0.1	78-59-1	Isophorone	5.1E+02	ca*	5.1E+02	ca*	7.1E+00	ca	7.1E+01	ca	5.0E-01	3.0E-02
		1.5E-02	i			1.5E-02	r	0.1	33820-53-0	Isopropalin	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
		1.0E-01	i			1.1E-01	r	0.1	1832-54-8	Isopropyl methyl phosphonic acid	6.1E+03	nc	6.2E+04	nc	4.0E+02	nc	3.6E+03	nc		
		5.0E-02	i			5.0E-02	r	0.1	82558-50-7	Isoxaben	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
8.0E+00	p	2.0E-04	p	8.0E+00	r	2.0E-04	r	0.1	143-50-0	Kepone	6.1E-02	ca	2.2E-01	ca	8.4E-04	ca	8.4E-03	ca		
		2.0E-03	i			2.0E-03	r	0.1	77501-63-4	Lactofen	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
www.epa.gov/superfund/programs/lead/ieubk.htm									7439-92-1	**Lead+++**	4.0E+02	nc	8.0E+02	nc						
www.dtsc.ca.gov/ScienceTechnology/ledspred.html										"CAL-Modified PRG"+++	1.5E+02	nc								
		1.0E-07	i					0.1	78-00-2	Lead (tetraethyl)	6.1E-03	nc	6.2E-02	nc			3.6E-03	nc		
		2.0E-03	i			2.0E-03	r	0.1	330-55-2	Linuron	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		2.0E-02	x						7439-93-2	Lithium	1.6E+03	nc	2.0E+04	nc			7.3E+02	nc		
		2.0E-01	i			2.0E-01	r	0.1	83055-99-6	Londax	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
		2.0E-02	i			2.0E-02	r	0.1	121-75-5	Malathion	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.0E-01	i			1.0E-01	r	0.1	108-31-6	Maleic anhydride	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		5.0E-01	i			5.0E-01	r	y	123-33-1	Maleic hydrazide	1.7E+03	nc	2.4E+03	sat	1.8E+03	nc	3.0E+03	nc		
		1.0E-04	p			1.0E-04	r	0.1	109-77-3	**Malononitrile**	6.1E+00	nc	6.2E+01	nc	3.7E-01	nc	3.6E+00	nc		
		3.0E-02	h			3.0E-02	r	0.1	8018-01-7	Mancozeb	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
6.0E-02	o	5.0E-03	i	6.0E-02	r	5.0E-03	r	0.1	12427-38-2	Maneb	8.1E+00	ca*	2.9E+01	ca	1.1E-01	ca	1.1E+00	ca		
		2.4E-02	i			1.4E-05	i		7439-96-5	Manganese and compounds+++	1.8E+03	nc	1.9E+04	nc	5.1E-02	nc	8.8E+02	nc		
		9.0E-05	h			9.0E-05	r	0.1	950-10-7	Mephosfolan	5.5E+00	nc	5.5E+01	nc	3.3E-01	nc	3.3E+00	nc		
		3.0E-02	i			3.0E-02	r	0.1	24307-26-4	Mepiquat chloride	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
2.9E-02	n	1.0E-01	n	2.9E-02	r	1.0E-01	r	0.1	149-30-4	2-Mercaptobenzothiazole	1.7E+01	ca	5.9E+01	ca	2.3E-01	ca	2.3E+00	ca		
		3.0E-04	i						7487-94-7	Mercury and compounds	2.3E+01	nc	3.1E+02	nc			1.1E+01	nc		
						8.6E-05	i		7439-97-6	Mercury (elemental)					3.1E-01	nc				
		1.0E-04	i					0.1	22967-92-6	Mercury (methyl)	6.1E+00	nc	6.2E+01	nc			3.6E+00	nc		
		3.0E-05	i			3.0E-05	r	0.1	150-50-5	Merphos	1.8E+00	nc	1.8E+01	nc	1.1E-01	nc	1.1E+00	nc		
		3.0E-05	i			3.0E-05	r	0.1	78-48-8	Merphos oxide	1.8E+00	nc	1.8E+01	nc	1.1E-01	nc	1.1E+00	nc		
		6.0E-02	i			6.0E-02	r	0.1	57837-19-1	Metalaxyl	3.7E+03	nc	3.7E+04	nc	2.2E+02	nc	2.2E+03	nc		
		1.0E-04	i			2.0E-04	h	y	126-98-7	Methacrylonitrile	2.1E+00	nc	8.4E+00	nc	7.3E-01	nc	1.0E+00	nc		
		5.0E-05	i			5.0E-05	r	0.1	10265-92-6	Methamidophos	3.1E+00	nc	3.1E+01	nc	1.8E-01	nc	1.8E+00	nc		

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ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		5.0E-01	i			5.0E-01	r	0.1	67-56-1	Methanol	3.1E+04	nc	1.0E+05	max	1.8E+03	nc	1.8E+04	nc		
		1.0E-03	i			1.0E-03	r	0.1	950-37-8	Methidathion	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		2.5E-02	i			2.5E-02	r y		16752-77-5	Methomyl	4.4E+01	nc	1.5E+02	nc	9.1E+01	nc	1.5E+02	nc		
		5.0E-03	i			5.0E-03	r	0.1	72-43-5	Methoxychlor	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc	1.6E+02	8.0E+00
		1.0E-03	h			5.7E-03	i	0.1	109-86-4	2-Methoxyethanol	6.1E+01	nc	6.2E+02	nc	2.1E+01	nc	3.6E+01	nc		
		2.0E-03	h			2.0E-03	r	0.1	110-49-6	2-Methoxyethanol acetate	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
4.6E-02	h			4.6E-02	r			0.1	99-59-2	2-Methoxy-5-nitroaniline	1.1E+01	ca	3.7E+01	ca	1.5E-01	ca	1.5E+00	ca		
		1.0E+00	h			1.0E+00	r y		79-20-9	Methyl acetate	2.2E+04	nc	9.2E+04	nc	3.7E+03	nc	6.1E+03	nc		
		3.0E-02	h			3.0E-02	r y		96-33-3	Methyl acrylate	7.0E+01	nc	2.3E+02	nc	1.1E+02	nc	1.8E+02	nc		
2.4E-01	h			2.4E-01	r			0.1	95-53-4	2-Methylaniline (o-toluidine)	2.0E+00	ca	7.2E+00	ca	2.8E-02	ca	2.8E-01	ca		
1.8E-01	h			1.8E-01	r			0.1	636-21-5	2-Methylaniline hydrochloride	2.7E+00	ca	9.6E+00	ca	3.7E-02	ca	3.7E-01	ca		
		5.0E-04	i			5.0E-04	r	0.1	94-74-6	2-Methyl-4-chlorophenoxyacetic acid	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
		1.0E-02	i			1.0E-02	r	0.1	94-81-5	4-(2-Methyl-4-chlorophenoxy) butyric acid	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		1.0E-03	i			1.0E-03	r	0.1	93-65-2	2-(2-Methyl-4-chlorophenoxy) propionic acid	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		1.0E-03	i			1.0E-03	r	0.1	16484-77-8	2-(2-Methyl-1,4-chlorophenoxy) propionic acid	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		8.6E-01	r			8.6E-01	h y		108-87-2	Methylcyclohexane	2.6E+03	nc	8.7E+03	nc	3.1E+03	nc	5.2E+03	nc		
2.5E-01	h			2.5E-01	r			0.1	101-77-9	4,4'-Methylenebisbenzeneamine	1.9E+00	ca	6.9E+00	ca	2.7E-02	ca	2.7E-01	ca		
1.3E-01	h	7.0E-04	h	1.3E-01	h	7.0E-04	r	0.1	101-14-4	4,4'-Methylene bis(2-chloroaniline)	3.7E+00	ca*	1.3E+01	ca*	5.2E-02	ca*	5.2E-01	ca*		
4.6E-02	i			4.6E-02	r			0.1	101-61-1	4,4'-Methylene bis(N,N'-dimethyl)aniline	1.1E+01	ca	3.7E+01	ca	1.5E-01	ca	1.5E+00	ca		
		1.0E-02	h			1.0E-02	r y		74-95-3	Methylene bromide	6.7E+01	nc	2.3E+02	nc	3.7E+01	nc	6.1E+01	nc		
7.5E-03	i	6.0E-02	i	1.6E-03	i	8.6E-01	h y		75-09-2	Methylene chloride	9.1E+00	ca	2.1E+01	ca	4.1E+00	ca	4.3E+00	ca	2.0E-02	1.0E-03
		1.7E-04	r			1.7E-04	i	0.1	101-68-8	4,4'-Methylene diphenyl diisocyanate	1.0E+01	nc	1.0E+02	nc	6.2E-01	nc	6.2E+00	nc		
		6.0E-01	i			1.4E+00	i y		78-93-3	**Methyl ethyl ketone (2-Butanone)**	2.2E+04	nc	1.1E+05	nc	5.1E+03	nc	7.0E+03	nc		
		8.0E-02	h			8.6E-01	i y		108-10-1	**Methyl isobutyl ketone**	5.3E+03	nc	4.7E+04	nc	3.1E+03	nc	2.0E+03	nc		
		5.7E-04	r			5.7E-04	n	0.1	74-93-1	Methyl Mercaptan	3.5E+01	nc	3.5E+02	nc	2.1E+00	nc	2.1E+01	nc		
		1.4E+00	i			2.0E-01	i y		80-62-6	Methyl methacrylate	2.2E+03	nc	2.7E+03	sat	7.3E+02	nc	1.4E+03	nc		
3.3E-02	h			3.3E-02	r			0.1	99-55-8	2-Methyl-5-nitroaniline	1.5E+01	ca	5.2E+01	ca	2.0E-01	ca	2.0E+00	ca		
		2.5E-04	i			2.5E-04	r	0.1	298-00-0	Methyl parathion	1.5E+01	nc	1.5E+02	nc	9.1E-01	nc	9.1E+00	nc		
		5.0E-02	i			5.0E-02	r	0.1	95-48-7	2-Methylphenol	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc	1.5E+01	8.0E-01
		5.0E-02	i			5.0E-02	r	0.1	108-39-4	3-Methylphenol	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		5.0E-03	h			5.0E-03	r	0.1	106-44-5	4-Methylphenol	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.0E-02	p			2.0E-02	r	0.1	993-13-5	Methyl phosphonic acid	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		6.0E-03	h			1.1E-02	h y		25013-15-4	Methyl styrene (mixture)	1.3E+02	nc	5.4E+02	nc	4.2E+01	nc	6.0E+01	nc		
		7.0E-02	h			7.0E-02	r y		98-83-9	Methyl styrene (alpha)	6.8E+02	sat	6.8E+02	sat	2.6E+02	nc	4.3E+02	nc		
1.8E-03	c	8.6E-01	r	1.8E-03	c	8.6E-01	i y		1634-04-4	**Methyl tertbutyl ether (MTBE)**	1.7E+01	ca	3.6E+01	ca	3.7E+00	ca	6.2E+00	ca		
		1.5E-01	i			1.5E-01	r	0.1	51218-45-2	Metolaclor (Dual)	9.2E+03	nc	9.2E+04	nc	5.5E+02	nc	5.5E+03	nc		

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		2.5E-02	i			2.5E-02	r	0.1	21087-64-9	Metribuzin	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
1.8E+00	x	2.0E-04	i	1.8E+00	r	2.0E-04	r	0.1	2385-85-5	Mirex	2.7E-01	ca*	9.6E-01	ca	3.7E-03	ca	3.7E-02	ca		
		2.0E-03	i			2.0E-03	r	0.1	2212-67-1	Molinate	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		5.0E-03	i						7439-98-7	Molybdenum	3.9E+02	nc	5.1E+03	nc			1.8E+02	nc		
		1.0E-01	i			1.0E-01	r	0.1	10599-90-3	Monochloramine	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		2.0E-03	i			2.0E-03	r	0.1	300-76-5	Naled	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		1.0E-01	i			1.0E-01	r	0.1	15299-99-7	Napropamide	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
		2.0E-02	i						7440-02-0	Nickel (soluble salts)	1.6E+03	nc	2.0E+04	nc			7.3E+02	nc	1.3E+02	7.0E+00
				8.4E-01	i					Nickel refinery dust					8.0E-03	ca				
				1.7E+00	i				12035-72-2	Nickel subsulfide			1.1E+04	ca	4.0E-03	ca				
Tap Water PRG Based on Infant NOAEL (see IRIS)									14797-55-8	Nitrate+++							1.0E+04	nc		
Tap Water PRG Based on Infant NOAEL (see IRIS)									14797-65-0	Nitrite+++							1.0E+03	nc		
		3.0E-03	p			3.0E-05	p	0.1	88-74-4	**2-Nitroaniline**	1.8E+02	nc	1.8E+03	nc	1.1E-01	nc	1.1E+02	nc		
2.1E-02	p	3.0E-04	p	2.1E-02	r	3.0E-04	p	0.1	99-09-2	**3-Nitroaniline**	1.8E+01	nc	8.2E+01	ca**	3.2E-01	ca**	3.2E+00	ca**		
2.1E-02	p	3.0E-03	p	2.1E-02	r	1.0E-03	p	0.1	100-01-6	**4-Nitroaniline**	2.3E+01	ca**	8.2E+01	ca*	3.2E-01	ca*	3.2E+00	ca*		
		5.0E-04	i			5.7E-04	h	y	98-95-3	Nitrobenzene	2.0E+01	nc	1.0E+02	nc	2.1E+00	nc	3.4E+00	nc	1.0E-01	7.0E-03
		7.0E-02	h			7.0E-02	r	0.1	67-20-9	Nitrofurantoin	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
1.5E+00	h			1.5E+00	r			0.1	59-87-0	Nitrofurazone	3.2E-01	ca	1.1E+00	ca	4.5E-03	ca	4.5E-02	ca		
1.4E-02	n			1.4E-02	r			0.1	55-63-0	Nitroglycerin	3.5E+01	ca	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
		1.0E-01	i			1.0E-01	r	0.1	556-88-7	Nitroguanidine	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc		
9.4E+00	r	5.7E-03	r	9.4E+00	h	5.7E-03	i	y	79-46-9	2-Nitropropane					7.2E-04	ca	1.2E-03	ca		
5.4E+00	i			5.6E+00	i			y	924-16-3	N-Nitrosodi-n-butylamine	2.4E-02	ca	5.8E-02	ca	1.2E-03	ca	2.0E-03	ca		
2.8E+00	i			2.8E+00	r			0.1	1116-54-7	N-Nitrosodiethanolamine	1.7E-01	ca	6.2E-01	ca	2.4E-03	ca	2.4E-02	ca		
1.5E+02	i			1.5E+02	i			0.1	55-18-5	N-Nitrosodiethylamine	3.2E-03	ca	1.1E-02	ca	4.5E-05	ca	4.5E-04	ca		
5.1E+01	i	8.0E-06	p	4.9E+01	i	8.0E-06	r	0.1	62-75-9	**N-Nitrosodimethylamine**	9.5E-03	ca*	3.4E-02	ca	1.4E-04	ca	1.3E-03	ca		
4.9E-03	i	2.0E-02	p	4.9E-03	r	2.0E-02	r	0.1	86-30-6	**N-Nitrosodiphenylamine**	9.9E+01	ca*	3.5E+02	ca*	1.4E+00	ca*	1.4E+01	ca*	1.0E+00	6.0E-02
7.0E+00	i			7.0E+00	r			0.1	621-64-7	N-Nitroso di-n-propylamine	6.9E-02	ca	2.5E-01	ca	9.6E-04	ca	9.6E-03	ca	5.0E-05	2.0E-06
2.2E+01	i			2.2E+01	r			0.1	10595-95-6	N-Nitroso-N-methylethylamine	2.2E-02	ca	7.8E-02	ca	3.1E-04	ca	3.1E-03	ca		
2.1E+00	i			2.1E+00	i			0.1	930-55-2	N-Nitrosopyrrolidine	2.3E-01	ca	8.2E-01	ca	3.1E-03	ca	3.2E-02	ca		
		2.0E-02	p			2.0E-02	r	y	99-08-1	**m-Nitrotoluene**	7.3E+02	nc	1.0E+03	sat	7.3E+01	nc	1.2E+02	nc		
2.3E-01	p	1.0E-02	h	2.3E-01	r	1.0E-02	r	y	99-08-1	**o-Nitrotoluene**	8.8E-01	ca	2.2E+00	ca	2.9E-02	ca	4.9E-02	ca		
1.7E-02	p	1.0E-02	p	1.7E-02	r	1.0E-02	r	y	99-99-0	**p-Nitrotoluene**	1.2E+01	ca*	3.0E+01	ca*	4.0E-01	ca*	6.6E-01	ca*		
		4.0E-02	i			4.0E-02	r	0.1	27314-13-2	Norflurazon	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc		
		7.0E-04	i			7.0E-04	r	0.1	85509-19-9	NuStar	4.3E+01	nc	4.3E+02	nc	2.6E+00	nc	2.6E+01	nc		
		3.0E-03	i			3.0E-03	r	0.1	32536-52-0	Octabromodiphenyl ether	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		2.0E-03	h			2.0E-03	r	0.1	152-16-9	Octamethylpyrophosphoramide	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		

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TOXICITY VALUES								CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)	V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		5.0E-02	i			5.0E-02	r 0.1	19044-88-3	Oryzalin	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		5.0E-03	i			5.0E-03	r 0.1	19666-30-9	Oxadiazon	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.5E-02	i			2.5E-02	r 0.1	23135-22-0	Oxamyl	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		3.0E-03	i			3.0E-03	r 0.1	42874-03-3	Oxyfluorfen	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		1.3E-02	i			1.3E-02	r 0.1	76738-62-0	Paclobutrazol	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		4.5E-03	i			4.5E-03	r 0.1	4685-14-7	Paraquat	2.7E+02	nc	2.8E+03	nc	1.6E+01	nc	1.6E+02	nc		
		6.0E-03	h			6.0E-03	r 0.1	56-38-2	Parathion	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc		
		5.0E-02	h			5.0E-02	r 0.1	1114-71-2	Pebulate	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		4.0E-02	i			4.0E-02	r 0.1	40487-42-1	Pendimethalin	2.4E+03	nc	2.5E+04	nc	1.5E+02	nc	1.5E+03	nc		
2.3E-02	h			2.3E-02	r		0.1	87-84-3	Pentabromo-6-chloro cyclohexane	2.1E+01	ca	7.5E+01	ca	2.9E-01	ca	2.9E+00	ca		
		2.0E-03	i			2.0E-03	r 0.1	32534-81-9	Pentabromodiphenyl ether	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		8.0E-04	i			8.0E-04	r 0.1	608-93-5	Pentachlorobenzene	4.9E+01	nc	4.9E+02	nc	2.9E+00	nc	2.9E+01	nc		
2.6E-01	h	3.0E-03	i	2.6E-01	r	3.0E-03	r 0.1	82-68-8	Pentachloronitrobenzene	1.9E+00	ca*	6.6E+00	ca	2.6E-02	ca	2.6E-01	ca		
1.2E-01	i	3.0E-02	i	1.2E-01	r	3.0E-02	r 0.25	87-86-5	Pentachlorophenol	3.0E+00	ca	9.0E+00	ca	5.6E-02	ca	5.6E-01	ca	3.0E-02	1.0E-03
		1.0E-04	n					7601-90-3	Perchlorate	7.8E+00	ca/nc	1.0E+02	ca/nc			3.6E+00	ca/nc		
		5.0E-02	i			5.0E-02	r 0.1	52645-53-1	Permethrin	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		2.5E-01	i			2.5E-01	r 0.1	13684-63-4	Phenmedipham	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		3.0E-01	i			3.0E-01	r 0.1	108-95-2	**Phenol**	1.8E+04	nc	1.0E+05	max	1.1E+03	nc	1.1E+04	nc	1.0E+02	5.0E+00
		2.0E-03	n			2.0E-03	r 0.1	92-84-2	Phenothiazine	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		6.0E-03	i			6.0E-03	r 0.1	108-45-2	m-Phenylenediamine	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc		
4.7E-02	h			4.7E-02	r		0.1	95-54-5	**o-Phenylenediamine**	1.0E+01	ca	3.7E+01	ca	1.4E-01	ca	1.4E+00	ca		
		1.9E-01	h			1.9E-01	r 0.1	106-50-3	p-Phenylenediamine	1.2E+04	nc	1.0E+05	max	6.9E+02	nc	6.9E+03	nc		
		8.0E-05	i			8.0E-05	r 0.1	62-38-4	Phenylmercuric acetate	4.9E+00	nc	4.9E+01	nc	2.9E-01	nc	2.9E+00	nc		
1.9E-03	h			1.9E-03	r		0.1	90-43-7	2-Phenylphenol	2.5E+02	ca	8.9E+02	ca	3.5E+00	ca	3.5E+01	ca		
		2.0E-04	h			2.0E-04	r 0.1	298-02-2	Phorate	1.2E+01	nc	1.2E+02	nc	7.3E-01	nc	7.3E+00	nc		
		2.0E-02	i			2.0E-02	r 0.1	732-11-6	Phosmet	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		3.0E-04	i			8.6E-05	i 0.1	7803-51-2	Phosphine	1.8E+01	nc	1.8E+02	nc	3.1E-01	nc	1.1E+01	nc		
						2.9E-03	i	7664-38-2	Phosphoric acid					1.0E+01	nc				
		2.0E-05	i					7723-14-0	Phosphorus (white)	1.6E+00	nc	2.0E+01	nc			7.3E-01	nc		
		1.0E+00	h			1.0E+00	r 0.1	100-21-0	p-Phthalic acid	6.1E+04	nc	1.0E+05	max	3.7E+03	nc	3.6E+04	nc		
		2.0E+00	i			3.4E-02	h 0.1	85-44-9	Phthalic anhydride	1.0E+05	max	1.0E+05	max	1.2E+02	nc	7.3E+04	nc		
		7.0E-02	i			7.0E-02	r 0.1	1918-02-1	Picloram	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
		1.0E-02	i			1.0E-02	r 0.1	29232-93-7	Pirimiphos-methyl	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
8.9E+00	h	7.0E-06	h	8.9E+00	r	7.0E-06	r 0.1		Polybrominated biphenyls	5.5E-02	ca**	1.9E-01	ca*	7.6E-04	ca*	7.6E-03	ca*		
									Polychlorinated biphenyls (PCBs, see IRIS)										
7.0E-02	i	7.0E-05	i	7.0E-02	i	7.0E-05	r 0.14	12674-11-2	PCBs (unspeciated mixture, low risk, e.g. Aroclor 1016)	3.9E+00	nc	2.1E+01	ca**	9.6E-02	ca**	9.6E-01	ca**		

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
2.0E+00	i	2.0E-05	i	2.0E+00	i	2.0E-05	r	0.14	11097-69-1	PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254)	2.2E-01	ca**	7.4E-01	ca*	3.4E-03	ca*	3.4E-02	ca*		
4.5E+00	n			4.5E+00	r			0.1	61788-33-8	Polychlorinated terphenyls	1.1E-01	ca	3.8E-01	ca	1.5E-03	ca	1.5E-02	ca		
										Polynuclear aromatic hydrocarbons (PAHs)										
		6.0E-02	i			6.0E-02	r	y	83-32-9	Acenaphthene	3.7E+03	nc	2.9E+04	nc	2.2E+02	nc	3.7E+02	nc	5.7E+02	2.9E+01
		3.0E-01	i			3.0E-01	r	y	120-12-7	Anthracene	2.2E+04	nc	1.0E+05	max	1.1E+03	nc	1.8E+03	nc	1.2E+04	5.9E+02
7.3E-01	n			7.3E-01	r			0.13	56-55-3	Benz[a]anthracene	6.2E-01	ca	2.1E+00	ca	9.2E-03	ca	9.2E-02	ca	2.0E+00	8.0E-02
7.3E-01	n			7.3E-01	r			0.13	205-99-2	Benzo[b]fluoranthene	6.2E-01	ca	2.1E+00	ca	9.2E-03	ca	9.2E-02	ca	5.0E+00	2.0E-01
7.3E-02	n			7.3E-02	r			0.13	207-08-9	Benzo[k]fluoranthene	6.2E+00	ca	2.1E+01	ca	9.2E-02	ca	9.2E-01	ca	4.9E+01	2.0E+00
1.2E+00	c			3.9E-01	c			0.13	207-08-9	"CAL-Modified PRG"	3.8E-01	ca	1.3E+00	ca	1.7E-02	ca	5.6E-02	ca		
7.3E+00	i			7.3E+00	r			0.13	50-32-8	Benzo[a]pyrene	6.2E-02	ca	2.1E-01	ca	9.2E-04	ca	9.2E-03	ca	8.0E+00	4.0E-01
7.3E-03	n			7.3E-03	r			0.13	218-01-9	Chrysene	6.2E+01	ca	2.1E+02	ca	9.2E-01	ca	9.2E+00	ca	1.6E+02	8.0E+00
1.2E-01	c			3.9E-02	c			0.13		"CAL-Modified PRG"	3.8E+00	ca	1.3E+01	ca	1.7E-01	ca	5.6E-01	ca		
7.3E+00	n			7.3E+00	r			0.13	53-70-3	Dibenz[ah]anthracene	6.2E-02	ca	2.1E-01	ca	9.2E-04	ca	9.2E-03	ca	2.0E+00	8.0E-02
		4.0E-02	i			4.0E-02	r	0.13	206-44-0	Fluoranthene	2.3E+03	nc	2.2E+04	nc	1.5E+02	nc	1.5E+03	nc	4.3E+03	2.1E+02
		4.0E-02	i			4.0E-02	r	y	86-73-7	Fluorene	2.7E+03	nc	2.6E+04	nc	1.5E+02	nc	2.4E+02	nc	5.6E+02	2.8E+01
7.3E-01	n			7.3E-01	r			0.13	193-39-5	Indeno[1,2,3-cd]pyrene	6.2E-01	ca	2.1E+00	ca	9.2E-03	ca	9.2E-02	ca	1.4E+01	7.0E-01
		2.0E-02	i			8.6E-04	i	y	91-20-3	Naphthalene	5.6E+01	nc	1.9E+02	nc	3.1E+00	nc	6.2E+00	nc	8.4E+01	4.0E+00
1.2E-01	r			1.2E-01	c					**"CAL-Modified PRG"**	1.7E+00	ca	4.2E+00	ca	5.6E-02	ca	9.3E-02	ca		
		3.0E-02	i			3.0E-02	r	y	129-00-0	Pyrene	2.3E+03	nc	2.9E+04	nc	1.1E+02	nc	1.8E+02	nc	4.2E+03	2.1E+02
1.5E-01	i	9.0E-03	i	1.5E-01	r	9.0E-03	r	0.1	67747-09-5	Prochloraz	3.2E+00	ca	1.1E+01	ca	4.5E-02	ca	4.5E-01	ca		
		6.0E-03	h			6.0E-03	r	0.1	26399-36-0	Profluralin	3.7E+02	nc	3.7E+03	nc	2.2E+01	nc	2.2E+02	nc		
		1.5E-02	i			1.5E-02	r	0.1	1610-18-0	Prometon	9.2E+02	nc	9.2E+03	nc	5.5E+01	nc	5.5E+02	nc		
		4.0E-03	i			4.0E-03	r	0.1	7287-19-6	Prometryn	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		7.5E-02	i			7.5E-02	r	0.1	23950-58-5	Pronamide	4.6E+03	nc	4.6E+04	nc	2.7E+02	nc	2.7E+03	nc		
		1.3E-02	i			1.3E-02	r	0.1	1918-16-7	Propachlor	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		5.0E-03	i			5.0E-03	r	0.1	709-98-8	Propanil	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.0E-02	i			2.0E-02	r	0.1	2312-35-8	Propargite	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-03	i			2.0E-03	r	0.1	107-19-7	Propargyl alcohol	1.2E+02	nc	1.2E+03	nc	7.3E+00	nc	7.3E+01	nc		
		2.0E-02	i			2.0E-02	r	0.1	139-40-2	Propazine	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		2.0E-02	i			2.0E-02	r	0.1	122-42-9	Propham	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.3E-02	i			1.3E-02	r	0.1	60207-90-1	Propiconazole	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		1.0E-01	i			1.1E-01	i	y	98-82-8	Isopropylbenzene (Cumene)	1.6E+02	nc	5.2E+02	nc	4.0E+02	nc	6.6E+02	nc		
		4.0E-02	n			4.0E-02	r	y	103-65-1	n-Propylbenzene	2.4E+02	sat	2.4E+02	sat	1.5E+02	nc	2.4E+02	nc		
		5.0E-01	p			8.6E-04	p	0.1	57-55-6	Propylene glycol	3.0E+04	nc	1.0E+05	max	3.1E+00	nc	1.8E+04	nc		
		7.0E-01	h			7.0E-01	r	0.1	52125-53-8	Propylene glycol, monoethyl ether	4.3E+04	nc	1.0E+05	max	2.6E+03	nc	2.6E+04	nc		
		7.0E-01	h			5.7E-01	i	0.1	107-98-2	Propylene glycol, monomethyl ether	4.3E+04	nc	1.0E+05	max	2.1E+03	nc	2.6E+04	nc		

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
2.4E-01	i	8.6E-03	r	1.3E-02	i	8.6E-03	i	y	75-56-9	Propylene oxide	1.9E+00	ca*	6.6E+00	ca*	5.2E-01	ca*	2.2E-01	ca		
		2.5E-01	i			2.5E-01	r	0.1	81335-77-5	Pursuit	1.5E+04	nc	1.0E+05	max	9.1E+02	nc	9.1E+03	nc		
		2.5E-02	i			2.5E-02	r	0.1	51630-58-1	Pydrin	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		1.0E-03	i			1.0E-03	r	0.1	110-86-1	Pyridine	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		5.0E-04	i			5.0E-04	r	0.1	13593-03-8	Quinalphos	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
3.0E+00	i			3.0E+00	r			0.1	91-22-5	Quinoline	1.6E-01	ca	5.7E-01	ca	2.2E-03	ca	2.2E-02	ca		
1.1E-01	i	3.0E-03	i	1.1E-01	r	3.0E-03	r	0.1	121-82-4	RDX (Cyclonite)	4.4E+00	ca*	1.6E+01	ca	6.1E-02	ca	6.1E-01	ca		
		3.0E-02	i			3.0E-02	r	0.1	10453-86-8	Resmethrin	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		5.0E-02	h			5.0E-02	r	0.1	299-84-3	Ronnel	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		
		4.0E-03	i			4.0E-03	r	0.1	83-79-4	Rotenone	2.4E+02	nc	2.5E+03	nc	1.5E+01	nc	1.5E+02	nc		
		2.5E-02	i			2.5E-02	r	0.1	78587-05-0	Savey	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		5.0E-03	i					0.1	7783-00-8	Selenious Acid	3.1E+02	nc	3.1E+03	nc			1.8E+02	nc		
		5.0E-03	i						7782-49-2	Selenium	3.9E+02	nc	5.1E+03	nc			1.8E+02	nc	5.0E+00	3.0E-01
		5.0E-03	h					0.1	630-10-4	Selenourea	3.1E+02	nc	3.1E+03	nc			1.8E+02	nc		
		9.0E-02	i			9.0E-02	r	0.1	74051-80-2	Sethoxydim	5.5E+03	nc	5.5E+04	nc	3.3E+02	nc	3.3E+03	nc		
		5.0E-03	i						7440-22-4	Silver and compounds	3.9E+02	nc	5.1E+03	nc			1.8E+02	nc	3.4E+01	2.0E+00
1.2E-01	h	5.0E-03	i	1.2E-01	r	5.00E-03	r	0.1	122-34-9	Simazine	4.1E+00	ca*	1.4E+01	ca	5.6E-02	ca	5.6E-01	ca		
		4.0E-03	i						26628-22-8	Sodium azide										
2.7E-01	h	3.0E-02	i	2.7E-01	r	3.0E-02	r	0.1	148-18-5	Sodium diethyldithiocarbamate	1.8E+00	ca	6.4E+00	ca	2.5E-02	ca	2.5E-01	ca		
		2.0E-05	i			2.0E-05	r	0.1	62-74-8	Sodium fluoroacetate	1.2E+00	nc	1.2E+01	nc	7.3E-02	nc	7.3E-01	nc		
		1.0E-03	h			1.0E-03	r	0.1	13718-26-8	Sodium metavanadate	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		6.0E-01	i						7440-24-6	Strontium, stable	4.7E+04	nc	1.0E+05	max			2.2E+04	nc		
		3.0E-04	i			3.0E-04	r	0.1	57-24-9	Strychnine	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
		2.0E-01	i			2.9E-01	i	y	100-42-5	Styrene	1.7E+03	sat	1.7E+03	sat	1.1E+03	nc	1.6E+03	nc	4.0E+00	2.0E-01
		5.0E-03	p			5.0E-03	r		80-07-9	**1,1'-Sulfonylbis (4-chlorobenzene)**	3.9E+02	nc	5.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		2.5E-02	i			2.5E-02	r	0.1	88671-89-0	Systhane	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
1.5E+05	h			1.5E+05	h			0.03	1746-01-6	2,3,7,8-TCDD (dioxin)	3.9E-06	ca	1.6E-05	ca	4.5E-08	ca	4.5E-07	ca		
		7.0E-02	i			7.0E-02	r	0.1	34014-18-1	Tebuthiuron	4.3E+03	nc	4.3E+04	nc	2.6E+02	nc	2.6E+03	nc		
		2.0E-02	h			2.0E-02	r	0.1	3383-96-8	Temephos	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
		1.3E-02	i			1.3E-02	r	0.1	5902-51-2	Terbacil	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		2.5E-05	h			2.5E-05	r	0.1	13071-79-9	Terbufos	1.5E+00	nc	1.5E+01	nc	9.1E-02	nc	9.1E-01	nc		
		1.0E-03	i			1.0E-03	r	0.1	886-50-0	Terbutryn	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		3.0E-04	i			3.0E-04	r	0.1	95-94-3	1,2,4,5-Tetrachlorobenzene	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
2.6E-02	i	3.0E-02	i	2.6E-02	i	3.0E-02	r	y	630-20-6	1,1,1,2-Tetrachloroethane	3.2E+00	ca	7.3E+00	ca	2.6E-01	ca	4.3E-01	ca		
2.0E-01	i	6.0E-02	p	2.0E-01	i	6.0E-02	r	y	79-34-5	1,1,2,2-Tetrachloroethane	4.1E-01	ca	9.3E-01	ca	3.3E-02	ca	5.5E-02	ca	3.0E-03	2.0E-04
5.4E-01	c	1.0E-02	i	2.1E-02	c	1.0E-02	c	y	127-18-4	**Tetrachloroethylene (PCE)**	4.8E-01	ca*	1.3E+00	ca	3.2E-01	ca	1.0E-01	ca	6.0E-02	3.0E-03

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ca** (where nc PRG < 10X ca PRG) +++=Non-Standard Method Applied (See User's Guide) sat=Soil Saturation (See User's Guide) max=Ceiling limit (See User's Guide) DAF=Dilution Attenuation Factor (See User's Guide) CAS=Chemical Abstract Services

TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)		V O C / skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		3.0E-02	i			3.0E-02	r	0.1	58-90-2	2,3,4,6-Tetrachlorophenol	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
2.0E+01	h			2.0E+01	r			0.1	5216-25-1	p,a,a,a-Tetrachlorotoluene	2.4E-02	ca	8.6E-02	ca	3.4E-04	ca	3.4E-03	ca		
2.4E-02	h	3.0E-02	i	2.4E-02	r	3.0E-02	r	0.1	961-11-5	Tetrachlorovinphos	2.0E+01	ca*	7.2E+01	ca	2.8E-01	ca	2.8E+00	ca		
		5.0E-04	i			5.0E-04	r	0.1	3689-24-5	Tetraethyldithiopyrophosphate	3.1E+01	nc	3.1E+02	nc	1.8E+00	nc	1.8E+01	nc		
7.6E-03	n	2.1E-01	n	6.8E-03	n	8.6E-02	n	y	109-99-9	Tetrahydrofuran	9.4E+00	ca	2.1E+01	ca	9.9E-01	ca	1.6E+00	ca		
		6.6E-05	i						7440-28-0	Thallium and compounds+++	5.2E+00	nc	6.7E+01	nc			2.4E+00	nc		
		1.0E-02	i			1.0E-02	r	0.1	28249-77-6	Thiobencarb	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		5.0E-02	n			5.0E-02	r	0.1	N/A	Thiocyanate	3.1E+03	nc	1.0E+05	max	1.8E+02	nc	1.8E+03	nc		
		3.0E-04	h			3.0E-04	r	0.1	39196-18-4	Thiofanox	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
		8.0E-02	i			8.0E-02	r	0.1	23564-05-8	Thiophanate-methyl	4.9E+03	nc	4.9E+04	nc	2.9E+02	nc	2.9E+03	nc		
		5.0E-03	i			5.0E-03	r	0.1	137-26-8	Thiram	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
		6.0E-01	h						7440-31-5	Tin (inorganic, also see tributyltin oxide)	4.7E+04	nc	1.0E+05	max			2.2E+04	nc		
		4.0E+00	n			8.6E-03	n		7440-32-6	Titanium	1.0E+05	max	1.0E+05	max	3.1E+01	nc	1.5E+05	nc		
		2.0E-01	i			1.1E-01	i	y	108-88-3	Toluene	5.2E+02	sat	5.2E+02	sat	4.0E+02	nc	7.2E+02	nc	1.2E+01	6.0E-01
3.2E+00	h			3.2E+00	r			0.1	95-80-7	Toluene-2,4-diamine	1.5E-01	ca	5.4E-01	ca	2.1E-03	ca	2.1E-02	ca		
		6.0E-01	h			6.0E-01	r	0.1	95-70-5	Toluene-2,5-diamine	3.7E+04	nc	1.0E+05	max	2.2E+03	nc	2.2E+04	nc		
		2.0E-01	h			2.0E-01	r	0.1	823-40-5	Toluene-2,6-diamine	1.2E+04	nc	1.0E+05	max	7.3E+02	nc	7.3E+03	nc		
1.9E-01	i			1.9E-01	r			0.1	106-49-0	p-Toluidine	2.6E+00	ca	9.1E+00	ca	3.5E-02	ca	3.5E-01	ca		
1.1E+00	i			1.1E+00	i			0.1	8001-35-2	Toxaphene	4.4E-01	ca	1.6E+00	ca	6.0E-03	ca	6.1E-02	ca	3.1E+01	2.0E+00
		7.5E-03	i			7.5E-03	r	0.1	66841-25-6	Tralomethrin	4.6E+02	nc	4.6E+03	nc	2.7E+01	nc	2.7E+02	nc		
		1.3E-02	i			1.3E-02	r	0.1	2303-17-5	Triallate	7.9E+02	nc	8.0E+03	nc	4.7E+01	nc	4.7E+02	nc		
		1.0E-02	i			1.0E-02	r	0.1	82097-50-5	Triasulfuron	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		5.0E-03	i			5.0E-03	r	0.1	615-54-3	1,2,4-Tribromobenzene	3.1E+02	nc	3.1E+03	nc	1.8E+01	nc	1.8E+02	nc		
9.2E-03	p	2.0E-01	p	9.2E-03	r	2.0E-01	r	0.1	126-73-8	**Tributyl phosphate**	5.3E+01	ca	1.9E+02	ca	7.3E-01	ca	7.3E+00	ca		
		3.0E-04	i					0.1	56-35-9	Tributyltin oxide (TBTO)	1.8E+01	nc	1.8E+02	nc			1.1E+01	nc		
3.4E-02	h			3.4E-02	r			0.1	634-93-5	2,4,6-Trichloroaniline	1.4E+01	ca	5.1E+01	ca	2.0E-01	ca	2.0E+00	ca		
2.9E-02	h			2.9E-02	r			0.1	33663-50-2	2,4,6-Trichloroaniline hydrochloride	1.7E+01	ca	5.9E+01	ca	2.3E-01	ca	2.3E+00	ca		
		1.0E-02	i			1.0E-03	p	y	120-82-1	**1,2,4-Trichlorobenzene**	6.2E+01	nc	2.2E+02	nc	3.7E+00	nc	7.2E+00	nc	5.0E+00	3.0E-01
		2.8E-01	n			6.3E-01	p	y	71-55-6	1,1,1-Trichloroethane	1.2E+03	sat	1.2E+03	sat	2.3E+03	nc	3.2E+03	nc	2.0E+00	1.0E-01
5.7E-02	i	4.0E-03	i	5.6E-02	i	4.0E-03	r	y	79-00-5	1,1,2-Trichloroethane	7.3E-01	ca*	1.6E+00	ca*	1.2E-01	ca	2.0E-01	ca	2.0E-02	9.0E-04
4.0E-01	n	3.0E-04	n	4.0E-01	n	1.0E-02	n	y	79-01-6	Trichloroethylene (TCE)	5.3E-02	ca	1.1E-01	ca	1.7E-02	ca	2.8E-02	ca	6.0E-02	3.0E-03
1.3E-02	c			7.0E-03	c	1.7E-01	c	y	79-01-6	**"CAL-Modified PRG"**	2.9E+00	ca	6.5E+00	ca	9.6E-01	ca	1.4E+00	ca		
		3.0E-01	i			2.0E-01	h	y	75-69-4	Trichlorofluoromethane	3.9E+02	nc	2.0E+03	sat	7.3E+02	nc	1.3E+03	nc		
		1.0E-01	i			1.0E-01	r	0.1	95-95-4	2,4,5-Trichlorophenol	6.1E+03	nc	6.2E+04	nc	3.7E+02	nc	3.6E+03	nc	2.7E+02	1.4E+01
1.1E-02	i	1.0E-04	n	1.1E-02	i	1.0E-04	r	0.1	88-06-2	2,4,6-Trichlorophenol	6.1E+00	nc**	6.2E+01	nc**	3.7E-01	nc**	3.6E+00	nc**	2.0E-01	8.0E-03
7.0E-02	c			7.0E-02	c			0.1	88-06-2	"CAL-Modified PRG"	6.9E+00	ca	2.5E+01	ca	9.6E-02	ca	9.6E-01	ca		

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TOXICITY VALUES									CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs) "Direct Contact Exposure Pathways"								SOIL SCREENING LEVELS "Migration to Groundwater"	
SFo 1/(mg/kg-d)		RfDo (mg/kg-d)		SFi 1/(mg/kg-d)		RfDi (mg/kg-d)	V O C	skin abs. soils	CAS No.		Residential Soil (mg/kg)		Industrial Soil (mg/kg)		Ambient Air (ug/m^3)		Tap Water (ug/l)		DAF 20 (mg/kg)	DAF 1 (mg/kg)
		1.0E-02	i			1.0E-02	r	0.1	93-76-5	2,4,5-Trichlorophenoxyacetic Acid	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
		8.0E-03	i			8.0E-03	r	0.1	93-72-1	2-(2,4,5-Trichlorophenoxy) propionic acid	4.9E+02	nc	4.9E+03	nc	2.9E+01	nc	2.9E+02	nc		
		5.0E-03	i			5.0E-03	r	y	598-77-6	**1,1,2-Trichloropropane**	7.1E+01	nc	2.7E+02	nc	1.8E+01	nc	3.0E+01	nc		
2.0E+00	n	6.0E-03	i	2.0E+00	r	1.4E-03	n	y	96-18-4	**1,2,3-Trichloropropane**	3.4E-02	ca	7.6E-02	ca	3.4E-03	ca	5.6E-03	ca		
		1.0E-02	p			3.0E-04	p	y	96-19-5	**1,2,3-Trichloropropene**	5.2E+00	nc	1.7E+01	nc	1.1E+00	nc	2.2E+00	nc		
		3.0E-03	i			3.0E-03	r	0.1	58138-08-2	Tridiphane	1.8E+02	nc	1.8E+03	nc	1.1E+01	nc	1.1E+02	nc		
		2.0E-03	r			2.0E-03	i	y	121-44-8	Triethylamine	2.3E+01	nc	8.6E+01	nc	7.3E+00	nc	1.2E+01	nc		
7.7E-03	i	7.5E-03	i	7.7E-03	r	7.5E-03	r	0.1	1582-09-8	Trifluralin	6.3E+01	ca**	2.2E+02	ca*	8.7E-01	ca*	8.7E+00	ca*		
		1.4E-04	r			1.4E-04	n	0.1	552-30-7	Trimellitic Anhydride (TMAN)	8.6E+00	nc	8.6E+01	nc	5.1E-01	nc	5.1E+00			
		5.0E-02	p			1.7E-03	p	y	95-63-6	1,2,4-Trimethylbenzene	5.2E+01	nc	1.7E+02	nc	6.2E+00	nc	1.2E+01	nc		
		5.0E-02	p			1.7E-03	p	y	108-67-8	1,3,5-Trimethylbenzene	2.1E+01	nc	7.0E+01	nc	6.2E+00	nc	1.2E+01	nc		
3.7E-02	h			3.7E-02	r			0.1	512-56-1	Trimethyl phosphate	1.3E+01	ca	4.7E+01	ca	1.8E-01	ca	1.8E+00	ca		
		3.0E-02	i			3.0E-02	r	0.1	99-35-4	1,3,5-Trinitrobenzene	1.8E+03	nc	1.8E+04	nc	1.1E+02	nc	1.1E+03	nc		
		1.0E-02	h			1.0E-02	r	0.1	479-45-8	Trinitrophenylmethylnitramine	6.1E+02	nc	6.2E+03	nc	3.7E+01	nc	3.6E+02	nc		
3.0E-02	i	5.0E-04	i	3.0E-02	r	5.0E-04	r	0.1	118-96-7	2,4,6-Trinitrotoluene	1.6E+01	ca**	5.7E+01	ca**	2.2E-01	ca**	2.2E+00	ca**		
		2.0E-02	p			2.0E-02	r	0.1	791-28-6	**Triphenylphosphine oxide**	1.2E+03	nc	1.2E+04	nc	7.3E+01	nc	7.3E+02	nc		
1.4E-02	p	3.1E-01	p	1.4E-02	r	3.1E-01	r	0.1	115-96-8	**Tris(2-chloroethyl) phosphate**	3.5E+01	ca	1.2E+02	ca	4.8E-01	ca	4.8E+00	ca		
3.2E-03	p	1.0E-01	p	3.2E-03	r	1.0E-01	r	0.1	78-42-2	**Tris(2-ethylhexyl) phosphate**	1.5E+02	ca*	5.4E+02	ca	2.1E+00	ca	2.1E+01	ca		
		2.0E-04	n						7440-61-1	Uranium (chemical toxicity only)	1.6E+01	nc	2.0E+02	nc			7.3E+00	nc		
		1.0E-03	n						7440-62-2	Vanadium and compounds	7.8E+01	nc	1.0E+03	nc			3.6E+01	nc	6.0E+03	3.0E+02
		1.0E-03	i			1.0E-03	r	0.1	1929-77-7	Vernam	6.1E+01	nc	6.2E+02	nc	3.7E+00	nc	3.6E+01	nc		
		2.5E-02	i			2.5E-02	r	0.1	50471-44-8	Vinclozolin	1.5E+03	nc	1.5E+04	nc	9.1E+01	nc	9.1E+02	nc		
		1.0E+00	h			5.7E-02	i	y	108-05-4	Vinyl acetate	4.3E+02	nc	1.4E+03	nc	2.1E+02	nc	4.1E+02	nc	1.7E+02	8.0E+00
1.1E-01	r	8.6E-04	r	1.1E-01	h	8.6E-04	i	y	593-60-2	Vinyl bromide (bromoethene)	1.9E-01	ca*	4.2E-01	ca*	6.1E-02	ca*	1.0E-01	ca*		
1.5E+00	i	3.0E-03	i	3.1E-02	i	2.9E-02	i	y	75-01-4	Vinyl chloride (child/adult)+++	7.9E-02	ca			1.1E-01	ca	2.0E-02	ca	1.0E-02	7.0E-04
7.5E-01	i	3.0E-03	i	1.6E-02	i	2.9E-02	i	y	75-01-4	Vinyl chloride (adult)			7.5E-01	ca						
		3.0E-04	i			3.0E-04	r	0.1	81-81-2	Warfarin	1.8E+01	nc	1.8E+02	nc	1.1E+00	nc	1.1E+01	nc		
		2.0E-01	i			2.9E-02	i	y	0.1 1330-20-7	**Xylenes**	2.7E+02	nc	4.2E+02	sat	1.1E+02	nc	2.1E+02	nc	2.1E+02	1.0E+01
		3.0E-01	i						7440-66-6	Zinc	2.3E+04	nc	1.0E+05	max			1.1E+04	nc	1.2E+04	6.2E+02
		3.0E-04	i						1314-84-7	Zinc phosphide	2.3E+01	nc	3.1E+02	nc			1.1E+01	nc		
		5.0E-02	i			5.0E-02	r	0.1	12122-67-7	Zineb	3.1E+03	nc	3.1E+04	nc	1.8E+02	nc	1.8E+03	nc		

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TOXICITY VALUES						CONTAMINANT	PRELIMINARY REMEDIATION GOALS (PRGs)				SOIL SCREENING LEVELS	
				V skin			"Direct Contact Exposure Pathways"				"Migration to Groundwater"	
SFo	RfDo	SFi	RfDi	O abs.	CAS No.		Residential	Industrial	Ambient Air	Tap Water	DAF 20	DAF 1
1/(mg/kg-d)	(mg/kg-d)	1/(mg/kg-d)	(mg/kg-d)	C soils			Soil (mg/kg)	Soil (mg/kg)	(ug/m^3)	(ug/l)	(mg/kg)	(mg/kg)
						PRG TABLE						
						Version 9						
						October 2004						
						Stanford J. Smucker Ph.D., EPA Region IX						
						Technical Support Section (SFD-8-4)						
						75 Hawthorne Street, San Francisco, CA 94105-3901						
						EXPOSURE PARAMETERS						
						Target cancer risk	1E-06	TR				
						Target Hazard Quotient	1.0	THQ				
						Body weight, adult (kg)	70	BW_adult				
						Body wt, age 1-6 (kg)	15	BW-child				
						Default skin surface area for soil contact , adult resident (cı	5700	SA_adult				
						Default skin surface area for soil contact , child (cm^2/day)	2800	SA_child				
						Default skin surface area for soil contact, adult worker (cm'	3300	SA_work				
						Default adherence factor, adult resident (mg/cm^2)	0.07	AF_adult				
						Default adherence factor, child (mg/cm^2)	0.20	AF_child				
						Default adherence factor, adult worker (mg/cm^2)	0.20	AF_work				
						Dermal absorption in soil (non-volatile organics)	0.10	ABS_org				
						Averaging time (years of life):	70	AT				
						Air breathed (m3/d)	20	IRA_adult				
							10	IRA_child				
						Drinking water ingestion (L/d)	2	IRW_adult				
							1	IRW_child				
						Volatilization factor - water (L/m^3)	0.5	VF_W				
						Volatilization factor - soil (m^3/kg)		VF_S				
						Particulate emission factor (m^3/kg)	1.3E+09	PEF				
						Soil ingestion - adult resident (mg/d)	100	IRS_adult				
						Soil ingestion - child age 1-6 (mg/d)	200	IRS_child				
						Soil ingestion - adult worker (mg/d)	100	IRS_work				
						Exposure frequency (d/yr)	350	EF_R				
						Exposure duration, age 1-6 (yr)	6	ED_C				
						Exposure duration, adult (yr)	30	ED_A				
						Exposure duration, lifetime (yr)	70	ED_L				
						Residential Age-adjusted factors for carcinogens only						
						Ingestion factor for soils ([mg*yr]/[kg*d]) See text.	114	IFS_adj				
						Skin contact factor for soils ([mg*yr]/[kg*d]) See text.	361	SFS_adj				
						Inhalation factor ([m^3*yr]/[kg-d]) See text.	11	InhF_adj				
						Ingestion factor for water ([L*yr]/[kg-d]) See text	1.1	IFW_adj				
						Exposure frequency, adult worker (d/yr)	250	EF_work				
						Exposure duration, adult worker (yr)	25	ED_work				