

CORRECTIVE ACTION PLAN PROGRESS REPORT FOR CALENDAR YEAR 2004

## FOR THE



**FINAL** 

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

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## 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

#### REGULATORY AUTHORITY Resource Conservation and Recovery Act Title II, Subtitle C, Section 3004; 42 U.S.C. 6901 et seq.; 40 CFR 264

Prepared for U.S. Army Corps of Engineers Savannah District Under Contract DACA21-02-D-0004 Delivery Order Number 0047

Prepared by Science Applications International Corporation 151 Lafayette Drive P.O. Box 2501 Oak Ridge, TN 37831

April 2005

### 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 2004 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.

22851 ESSIONA Patricia A. Stoll, P.E. **Technical Manager** 

Science Applications International Corporation

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TABI FIGU ACRO	LES RES ONYM		ii ii x
1.0	INTR 1.1	ODUCTION	1 1
	1.2	RECOVERY ACT FACILITY INVESTIGATIONS	1
	1.3	CORRECTIVE ACTION PLAN FOR SWMU 27F	5
	1.4	CALENDAR YEAR 2002 SAMPLING EVENT	9
	1.5	REPORT ORGANIZATION	0
2.0	GRO	UNDWATER SAMPLING AND EVALUATION 1	1
	2.1	GROUNDWATER SURFACE ELEVATIONS AND DIRECTION	1
	2.2	FREE PRODUCT MEASUREMENTS1	2
	2.3	GROUNDWATER ANALYTICAL RESULTS 1	2
	2.4	GROUNDWATER ANALYSIS	9
3.0	UPDA	ATE OF THE FATE AND TRANSPORT MODEL2	3
4.0	CON	CLUSIONS AND RECOMMENDATIONS	7
	4.1	CONCLUSIONS	7
		4.1.1 Groundwater Results for Calendar Year 2004	7
		4.1.2 Update of the Fate and Transport Model	1
	4.2	RECOMMENDATIONS	1
5.0	REFE	RENCES	2
APPE	ENDIC	ES	

A	PROTOCOL FOR ESTABLISHING REMEDIAL LEVELS A	-1
В	ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMSB	-1

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## **FIGURES**

1	Location Map for SWMU 27F, Northwest of Building 1340	3
2	Site Features and Phase II RFI Sampling Locations at SWMU 27F, Northwest of Building 1340	4
3	Supplemental Sampling Locations for SWMU 27F, Northwest of Building 1340	6
4	Estimated Areas of Potential Soil and Groundwater Contamination, SWMU 27F,	
	Northwest of Building 1340	8
5	Summary of Groundwater Analytical Results for August 2004, SWMU 27F,	
	Northwest of Building 1340	13
6	Groundwater Potentiometric Surface Map for Shallow Wells for CY 2004, SWMU 27F,	
	Northwest of Building 1340	14
7	Groundwater Potentiometric Surface Map for Deep Wells for CY 2004, SWMU 27F,	
	Northwest of Building 1340	15
8	Predicted Concentration of Benzene in Groundwater Below the Source Using AT123D	
	Modeling, SWMU 27F, Northwest of Building 1340	
9	Estimated Area of Benzene Groundwater Contamination for CY 2004, SWMU 27F,	
	Northwest of Building 1340	30
	-	

## **TABLES**

1	Remedial Levels for Surface Soil, SWMU 27F, Northwest of Building 1340	7
2	Remedial Levels for Groundwater, SWMU 27F, Northwest of Building 1340	7
3	Field Parameter Measurements During Groundwater Sampling (August 2004),	
	SWMU 27F, Northwest of Building 1340	11
4	Water-Level Data for Monitoring Wells (August 2004), SWMU 27F, Northwest of	
	Building 1340	
5	Summary of Analytes Detected in Groundwater (August 2004), SWMU 27F,	
	Northwest of Building 1340	
6	Evaluation of Site-Related Constituents in Groundwater, SWMU 27F, Northwest of	
	Building 1340	
7	Summary of Input Parameter Used for AT123D Modeling, SWMU 27F, Northwest of	
	Building 1340	
8	Dilution and Attenuation Factors, SWMU 27F, Northwest of Building 1340	
9	Summary of Results from Previous and Updated Modeling, SWMU 27F, Northwest of	
	Building 1340	
10	Concentrations of Benzene, Carbazole, 2-Methylnaphthalene, and Naphthalene	
	Since 1999 at SWMU 27F, Northwest of Building 1340	
	-	

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## ACRONYMS

AT123D	Analytical Transient 1-, 2-, 3-Dimensional
BGS	below ground surface
BHHRA	baseline human health risk assessment
CAP	Corrective Action Plan
COC	constituent of concern
COPC	constituent of potential concern
CY	calendar year
DPT	direct-push technology
GA EPD	Georgia Environmental Protection Division
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
RBC	risk-based concentration
RCRA	Resource Conservation and Recovery Act
RFI	RCRA facility investigation
RL	remedial level
SAIC	Science Applications International Corporation
SRC	site-related constituent
SVOC	semivolatile organic compound
SWMU	solid waste management unit
USACE	U. S. Army Corps of Engineers
VOC	volatile organic compound

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### **1.0 INTRODUCTION**

This report presents results from the groundwater monitoring for calendar year (CY) 2004 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 addendum for SWMU 27F to the revised final Phase II Resource Conservation and Recovery Act (RCRA) facility investigation (RFI) report for 16 SWMUs (SAIC 2001) and the final Corrective Action Plan (CAP) for the site (SAIC 2004). The revised final Phase II RFI for 16 SWMUs 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 0047. The groundwater sampling was conducted in accordance with the Sampling and Analysis Plan for 16 SWMUs (SAIC 1997), 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 one of two oil/water separators (OWSs) that support the vehicle maintenance activities of the 3d Engineer Brigade and one 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 200 ft northwest of Building 1340 (Figure 2). The OWS was closed in 2001. The closure consisted of placing plywood over the metal grates covering the OWS and plugging the drains located at the adjacent, covered maintenance pad from which the OWS received wastewater. Maintenance activities for military vehicles are performed at the maintenance pad. Floor drains from the maintenance pad are piped to the OWS; however, as part of the closure activities, these drains were plugged. The effluent from the OWS discharged to the Industrial Wastewater Treatment Plant, and the oil was pumped out of the holding unit and burned at the Central Energy Plant. No surface water or sediment pathways exist at this site.

# **1.2 SUMMARY OF PHASE I AND II RESOURCE CONSERVATION AND RECOVERY ACT FACILITY INVESTIGATIONS**

A Phase I 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 (upgradient 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 2).

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



Figure 2. Site Features and Phase II RFI Sampling Locations at SWMU 27F, Northwest of Building 1340

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-ethylhexyl)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 CAP. The six new wells were installed in December 2000 (Figure 3). 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 3). The groundwater samples 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 underground storage tank. 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  $\mu$ g/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 investigation 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, 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 estimated areal extents of soil and groundwater contamination at SWMU 27F are presented in Figure 4.

### 1.3 CORRECTIVE ACTION PLAN FOR SWMU 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



Figure 3. Supplemental Sampling Locations for SWMU 27F, Northwest of Building 1340

		Maximum Detected	Risk- Remedi IL	Surface Soil Background		
COC	Units	Concentration	$1 \times 10^{-6}$	$1 \times 10^{-5}$	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	

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

COC = Constituent of concern.

ILCR = Incremental lifetime cancer risk.

SWMU = Solid waste management unit.

**Bold** indicates values are recommended remedial levels.

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Table 2.	Remedial I	evels for (	roundwater.	SWMU 27F.	Northwest	of Building 1340
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	Maximum		Risk- Remedia	Based al Levels	Maximum	Quantification Limits	
COC	Detected Concentration	Units	$1 \times 10^{-6}$	$1 \times 10^{-5}$	Contaminant Level		
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.

NA = Not applicable; remedial level for groundwater defaults to the maximum contaminant level.

ND = No data; this constituent does not have a maximum contaminant level.

SWMU = Solid waste management unit.

Bold indicates values are recommended remedial levels.

in soil [benzo(a)pyrene] and groundwater (benzene) to the RLs presented in the revised final addendum (SAIC 2001) to the revised final Phase II RFI report (SAIC 2000). 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 were

- 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.



Figure 4. Estimated Areas of Potential Soil and Groundwater Contamination, SWMU 27F, Northwest of Building 1340

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 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.
- 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 the benzene concentrations are declining, that concentrations of other potential SRCs not detected to date do not present a risk to human health and are not increasing with time, and that 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.

#### 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 CAP Progress Report for CY 2002 for SWMU 27F dated January 2003 (SAIC 2003).

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 revised final 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; 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. A 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. A 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 Phase II RFI addendum 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 a 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 Phase II RFI addendum 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 REPORT ORGANIZATION**

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

- Chapter 1.0: site background, operational history, and summary of Phase I and II RFIs; supplemental sampling for CYs 1998, 1999, and 2001; the CAP and performance soil and groundwater monitoring for CY 2002;
- Chapter 2.0: CY 2004 groundwater sampling and evaluation;
- Chapter 3.0: update of the fate and transport 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 chain-of-custody forms and the analytical results for the CY 2004 groundwater monitoring at SWMU 27F.

## 2.0 GROUNDWATER SAMPLING AND EVALUATION

Thirteen shallow monitoring wells (MW1, MW3, MW4, MW5, MW6, MW7, MW9, MW10, MW14, MW15, MW16, MW17, and MW18) at SWMU 27F were low-flow sampled between August 19 and 20, 2004. Figure 5 shows the locations of these monitoring wells. 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 risk-based concentrations (RBCs); EPA 2002] and because they are characteristic of the material or waste oil disposed of at the 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. In addition, ferrous iron was analyzed during groundwater sampling collection using a Hach Kit. Table 3 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 4. Free product was measured in MW12 and MW4 using a free product level meter.

Field Readings at Monitoring Wells										
Location	Date	рН (s.u.)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTUs)	DO (mg/L)	Redox (mV)	Ferrous Iron (mg/L)		
27F-MW1	08/18/04	4.07	0.055	27.59	9.2	0.75	257	1.5		
27F-MW3	08/18/04	4.40	0.029	30.08	9.7	1.44	246	0.5		
27F-MW4	08/20/04	5.01	0.087	27.59	8.9	0.57	139	3.5		
27F-MW5	08/19/04	4.02	0.052	29.19	9.6	2.81	62	1.0		
27F-MW6	08/19/04	4.06	0.065	25.68	9.0	1.06	79	0.6		
27F-MW7	08/20/04	4.61	0.061	27.53	9.8	0.58	142	4.5		
27F-MW9	08/19/04	4.15	0.046	28.50	8.3	1.57	253	0.5		
27F-MW10	08/19/04	4.30	0.060	27.28	9.9	0.87	232	2.5		
27F-MW14	08/20/04	4.04	0.059	29.92	9.5	0.46	27	2.8		
27F-MW15	08/20/04	4.07	0.052	28.78	7.9	0.43	16	0.6		
27F-MW16	08/19/04	5.47	0.123	29.71	7.9	3.01	50	0.4		
27F-MW17	08/20/04	4.68	0.082	28.30	9.5	0.48	40	0.2		
27F-MW18	08/19/04	4.30	0.067	29.27	9.8	0.67	28	6.4		

Table 3. Field Parameter Measurements During Groundwater Sampling (August 2004),SWMU 27F, Northwest of Building 1340

DO = Dissolved oxygen.

NTU = Nephelometric turbidity unit.

Redox = Oxidation-reduction potential.

s.u. = Standard unit.

SWMU = Solid waste management unit.

#### 2.1 GROUNDWATER SURFACE ELEVATIONS AND DIRECTION

The water level measurements (see Table 4) from the monitoring wells were used to develop shallow and deep groundwater potentiometric maps for SWMU 27F. Figures 6 and 7 present the groundwater elevations and the potentiometric map 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 0.00124 and 0.00162 ft/ft, respectively.

Well	Data	Screened Interval (ft BCS)	Depth to Water	Elevation of Measuring Point (ft AMSL)	Elevation of Potentiometric Surface (ft AMSL)
				(IT AMSL)	(IT AMBL)
27F-MW1	08/19/04	9.30 to 19.30	/.56	69.16	61.60
27F-MW2	08/19/04	28.80 to 38.80	7.65	69.27	61.62
27F-MW3	08/19/04	10.40 to 20.40	6.95	68.45	61.50
27F-MW4	08/19/04	5.90 to 15.90	6.38	68.02	61.64
27F-MW5	08/19/04	8.80 to 18.80	6.55	67.99	61.44
27F-MW6	08/19/04	8.70 to 18.70	6.50	67.88	61.38
27F-MW7	08/19/04	10.00 to 20.00	6.70	68.14	61.44
27F-MW8	08/19/04	30.90 to 40.90	6.87	68.34	61.47
27F-MW9	08/19/04	10.30 to 20.30	7.01	68.46	61.45
27F-MW10	08/19/04	11.00 to 21.00	7.17	68.70	61.53
27F-MW11	08/19/04	29.40 to 39.40	7.13	68.66	61.53
27F-MW12	08/19/04	5.00 to 9.70	6.61	68.74	62.13
27F-MW13	08/19/04	4.10 to 14.10	NA	67.26	NA
27F-MW14	08/19/04	2.90 to 12.90	6.35	67.76	61.41
27F-MW15	08/19/04	3.80 to 13.80	6.58	68.03	61.45
27F-MW16	08/19/04	5.0 to 15.0	4.98	67.64	62.66
27F-MW17	08/19/04	4.90 to 14.90	6.70	69.08	62.38
27F-MW18	08/19/04	4.90 to 14.90	6.07	67.49	61.42

Table 4. Water-Level Data for Monitoring Wells (August 2004),SWMU 27F, Northwest of Building 1340

AMSL = Above mean sea level.

BGS = Below ground surface.

MP = Measuring point (top of casing).

NA = Not available.

SWMU = Solid waste management unit.

#### 2.2 FREE PRODUCT MEASUREMENTS

Free product was measured in two wells: MW4 and MW12. 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 underground storage tank. Small quantities of heavy petroleum products are trapped within the soil matrix and are slowly migrating to groundwater with time. Free product was measured at 0.14 in. in MW4 and at 0.05 in. in MW12. Absorbent socks were in both MW12 and MW4.

#### 2.3 GROUNDWATER ANALYTICAL RESULTS

The results from the chemical analysis of groundwater are presented in Table 5 and Figure 5. The complete analytical results and chain-of-custody forms are presented in Appendix B. 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).



Figure 5. Summary of Groundwater Analytical Results for August 2004, SWMU 27F, Northwest of Building 1340



Figure 6. Groundwater Potentiometric Surface Map for Shallow Wells for CY 2004, SWMU 27F, Northwest of Building 1340



Figure 7. Groundwater Potentiometric Surface Map for Deep Wells for CY 2004, SWMU 27F, Northwest of Building 1340

Station					N/XX71 <i>a</i>	MANO	MAXA	NAXVE	MW	NAX77	MANO
Station	Remedial	EPA Region 3	DDG			NI W S		IVI VV S			MW9
Sample ID		Tap Water RBC	RBC	Federal	/J41/4	734374	/J44/4	/J45/4	7J4674	/J4//4	/J49/4
Date	from RF1	(HQ = 0.1, 10E-6)	Туре	MCL	08/19/04	08/19/04	08/20/04	08/19/04	08/19/04	08/20/04	08/19/04
			Volat	tile Organio	c Compound	s (µg/L)					
1,2-Dichloroethene	None	5.48	Ν	70	<1 U	<1 U	0.49 J	<1 U	<1 U	<1 U	<1 U
Benzene	5	0.34	С	5	<1 U	<1 U	<1 U	<1 U	<1 U	12.2	16.4
Ethylbenzene	None <sup>b</sup>	134	N	700	<1 U	<1 U	<1 U	0.23 J	<1 U	1.4	0.86 J
Toluene	None <sup>b</sup>	74.7	Ν	1,000	0.64 J	0.45 J	<1 U	0.55 J	<1 U	<2.2 U	1
Xylenes, Total	None <sup>b</sup>	21.26	N	10,000	<1 U	<1 U	6.6	3.6	<1 U	4.5	1.8
Semivolatile Organic Compounds (µg/L)											
1,2-Dichlorobenzene	None <sup>b</sup>	26.82	Ν	600	<9.6 U	<10.8 U	<11.1 U	<10.5 U	<10.6 U	1.7 J	<9.6 U
2-Methylnaphthalene	None <sup>b</sup>	2.43	Ν		<0.96 U	<1.1 U	33.3	<1 U	<1.1 U	2.8	11.6
4-Methylphenol	None <sup>b</sup>	18.25	Ν		<9.6 U	<10.8 U	<11.1 U	<10.5 U	<10.6 U	2.1 J	<9.6 U
Acenaphthene	None <sup>b</sup>	36.5	Ν		<0.96 U	<1.1 U	2	<1 U	<1.1 U	<1.2 U	0.56 J
Benzoic Acid	None <sup>b</sup>	14,600	Ν		<19.2 U	<21.5 U	<22.2 U	<21 U	12.9 J	<24.1 U	<19.2 U
Bis(2-ethylhexyl)phthalate	None <sup>b</sup>	4.78	С	6	<9.6 U	<10.8 U	2.3 J	<10.5 U	2.8 J	1.8 J	<9.6 U
Carbazole	None <sup>b</sup>	3.35	С		<9.6 U	<10.8 U	<11.1 U	<10.5 U	<10.6 U	0.78 J	2.6 J
Dibenzofuran	None <sup>b</sup>	1.22	N		<9.6 U	<10.8 U	1.4 J	<10.5 U	<10.6 U	<12 U	0.64 J
Fluorene	None <sup>b</sup>	24.33	Ν		<0.96 U	<1.1 U	3.5	<1 U	<1.1 U	<1.2 U	1.1
Naphthalene	None <sup>b</sup>	0.65	Ν		<0.96 U	0.4 J	11.8	1.4	1.6	3.7	19.8
Phenanthrene	None <sup>b</sup>	18.25	Ν		<0.96 U	<1.1 U	6.1	<1 U	<1.1 U	<1.2 U	1.3
Pyrene	None <sup>b</sup>	18.25	Ν		<0.96 U	<1.1 U	0.71 J	<1 U	<1.1 U	<1.2 U	<0.96 U
				Miscella	neous (µg/L	)					
Iron	None <sup>b</sup>	1,095	N		1,980	632	9,310 J	583	211	8,930 J	386
Sulfate	None <sup>b</sup>				925 J	634	1,640	376 J	736	<400 U	3,440
Carbon Dioxide	None <sup>b</sup>				<1,000 U	52,700	189,000	<1,000 U	<1,000 U	181,000	<1,000 U
Methane	None <sup>b</sup>				18.3 J	28.6	65.1	20.4	42.3	207	231

Table 5. Summary of Analytes Detected in Groundwater (August 2004), SWMU 27F, Northwest of Building 1340

16

Station	Remedial	EPA Region 3			MW10	MW14	MW15	MW16	MW17	MW18
Sample ID	Level	Tap Water RBC	RBC	Federal	7J4A74	7J4E74	7J4F74	7J4G74	7J4H74	7J4J74
Date	from RFI	(HQ = 0.1, 10E-6)	Туре	MCL	08/20/04	08/20/04	08/20/04	08/19/04	08/20/04	08/19/04
Volatile Organic Compounds (µg/L)										
1,2-Dichloroethene	None <sup>b</sup>	5.48	N	70	<1 U	<1 U	<1 U	<1 U	<1 U	<1 U
Benzene	5	0.34	С	5	3.4	42.9	<1 U	<1 U	<1 U	<1 U
Ethylbenzene	None <sup>b</sup>	134	N	700	1.4	0.76 J	<1 U	<1 U	<1 U	0.66 J
Toluene	None <sup>b</sup>	74.7	Ν	1,000	<2.7 U	<1 U	<1 U	0.52 J	<1 U	<1 U
Xylenes, Total	None <sup>b</sup>	21.26	Ν	10,000	5.8	10.8	7.8	<1 U	<1 U	1
Semivolatile Organic Compounds (µg/L)										
1,2-Dichlorobenzene	None <sup>b</sup>	26.82	Ν	600	<11.1 U	<10.5 U	<10.5 U	<10.6 U	<10.5 U	<10.4 U
2-Methylnaphthalene	None <sup>b</sup>	2.43	N		6.4	25.5	1.2	<1.1 U	<1 U	10.6
4-Methylphenol	None <sup>b</sup>	18.25	N		<11.1 U	<10.5 U	<10.5 U	<10.6 U	<10.5 U	<10.4 U
Acenaphthene	None <sup>b</sup>	36.5	N		<1.1 U	1 J	<1 U	<1.1 U	<1 U	<1 U
Benzoic Acid	None <sup>b</sup>	14,600	N		<22.2 U	<21 U	<21 U	<21.3 U	<21 U	<20.8 U
Bis(2-ethylhexyl)phthalate	None <sup>b</sup>	4.78	С	6	<11.1 U	<10.5 U	<10.5 U	2 J	<10.5 U	<10.4 U
Carbazole	None <sup>b</sup>	3.35	С		1.1 J	3.1 J	<10.5 U	<10.6 U	<10.5 U	<10.4 U
Dibenzofuran	None <sup>b</sup>	1.22	Ν		<11.1 U	1.4 J	<10.5 U	<10.6 U	<10.5 U	0.46 J
Fluorene	None <sup>b</sup>	24.33	Ν		0.58 J	2.6	<1 U	<1.1 U	<1 U	0.93 J
Naphthalene	None <sup>b</sup>	0.65	Ν		4.6	43	4.1	<1.1 U	<1 U	9.7
Phenanthrene	None <sup>b</sup>	18.25	Ν		0.84 J	3.3	<1 U	<1.1 U	<1 U	1.3
Pyrene	None <sup>b</sup>	18.25	N		<1.1 U	<1 U	<1 U	<1.1 U	<1 U	<1 U
Miscellaneous (µg/L)										
Iron	None <sup>b</sup>	1,095	N		3,090 J	1,470 J	393 J	185	128 J	2,800
Sulfate	None <sup>b</sup>				<400 U	400	400 J	8,210	8,390	8,920
Carbon Dioxide	None <sup>b</sup>				<20,000 U	<20,000 U	<20,000 U	211,000	315,000	<1,000 U
Methane	None <sup>b</sup>				150	166	48.8	<20 U	49.7	293

#### Table 5. Summary of Analytes Detected in Groundwater (August 2004), SWMU 27F, Northwest of Building 1340 (continued)

<sup>*a*</sup>Site-specific background location. <sup>*b*</sup>No remedial level established in RFI because constituent not identified as COC. MCL = Maximum contaminant level.

C = Carcinogenic.

COC = Constituent of concern.

EPA = U.S. Environmental Protection Agency.

HQ = Hazard quotient. ID = Identifier.

J= Estimated value.

SWMU = Solid waste management unit. U = Undetected value.

N = Noncarcinogenic.

RBC = Risk-based concentration.

RFI = Resource Conservation and Recovery Act facility investigation.

Bold indicates concentrations above screening criteria.

**VOCs.** Five VOCs (1,2-dichloroethene; benzene; ethylbenzene; toluene; and total xylenes) were estimated or detected in downgradient groundwater at SWMU 27F during the CY 2004 sampling. Benzene, ethylbenzene, and/or total xylenes were detected in 11 wells (MW1, MW3, MW4, MW5, MW7, MW9, MW10, MW14, MW15, MW16, and MW18). 1,2-Dichloroethene was estimated in only MW4. No VOCs were detected in MW6 or MW17.

1,2-Dichloroethene was estimated in one downgradient groundwater sample at a concentration of  $0.49J \mu g/L$  at MW4.

Benzene was detected or estimated in 4 of 12 downgradient groundwater samples at concentrations ranging from 3.4  $\mu$ g/L at MW10 to 42.9  $\mu$ g/L at MW14. Benzene was detected above its MCL (5  $\mu$ g/L) at wells MW7, MW9, and MW14.

Ethylbenzene was detected or estimated in 6 of 12 downgradient groundwater samples. The concentrations of ethylbenzene in the shallow aquifer ranged from 0.23J  $\mu$ g/L at MW5 to 1.4  $\mu$ g/L at wells MW7 and MW10.

Toluene was estimated in 4 of 12 downgradient groundwater samples at concentrations ranging from 0.45J  $\mu$ g/L at MW3 to 1  $\mu$ g/L at MW9. Toluene was detected in the background well (MW1) at a concentration of 0.64J  $\mu$ g/L.

Total xylenes were detected in 8 of 12 downgradient groundwater samples at concentrations ranging from 1  $\mu$ g/L at MW18 to 10.8  $\mu$ g/L at MW14.

Benzene; ethylbenzene; total xylenes; 1,2-dichloroethene; and toluene are considered to be SRCs from the CY 2004 groundwater sampling.

**SVOCs.** Twelve SVOCs (1,2-dichlorobenzene; 2-methylnaphthalene; 4-methylphenol; acenaphthene; benzoic acid; bis(2-ethylhexyl)phthalate; carbazole; dibenzofuran; fluorene; naphthalene; phenanthrene; and pyrene) were detected or estimated in groundwater during the CY 2004 sampling. The following constituents were detected in only one groundwater sample: 1,2-dichlorobenzene (1.7J  $\mu$ g/L at MW7); 4-methylphenol (2.1J  $\mu$ g/L at MW7); benzoic acid (12.9J  $\mu$ g/L at MW6); and pyrene (0.71J  $\mu$ g/L at MW4).

2-Methylnaphthalene was detected in 7 of 12 downgradient groundwater samples at concentrations ranging from 1.2  $\mu$ g/L at MW15 to 33.3  $\mu$ g/L at MW4.

Acenaphthene was detected or estimated in 3 of 12 downgradient groundwater samples at concentrations of 0.56J  $\mu$ g/L at MW9, 1J  $\mu$ g/L at MW14, and 2  $\mu$ g/L at MW4.

Bis(2-ethylhexyl)phthalate was detected or estimated in 4 of 12 downgradient groundwater samples at concentrations ranging from  $1.8J \mu g/L$  at MW17 to  $2.8J \mu g/L$  at MW7.

Carbazole was estimated in 4 of 12 downgradient groundwater samples at concentrations ranging from 0.78J  $\mu$ g/L at MW7 to 3.1J  $\mu$ g/L at MW14.

Dibenzofuran was estimated in 4 of 12 downgradient groundwater samples at concentrations ranging from 0.46J  $\mu$ g/L at MW18 to 1.4J  $\mu$ g/L MW4 and MW14.

Fluorene was detected or estimated in 5 of 12 downgradient groundwater samples at concentrations ranging from  $0.58J \mu g/L$  at MW10 to  $3.5 \mu g/L$  at MW4.

Naphthalene was detected or estimated in 10 of 12 downgradient groundwater samples at concentrations ranging from 0.4J  $\mu$ g/L at MW3 to 43  $\mu$ g/L at MW14.

Phenanthrene was detected or estimated in 5 of 12 downgradient groundwater samples at concentrations ranging from 0.84J  $\mu$ g/L at MW10 to 6.1  $\mu$ g/L at MW4.

SVOCs were not detected in MW1 (site-specific background location) or MW17.

All 12 of the SVOCs detected in groundwater during the CY 2004 sampling [1,2-dichlorobenzene; 2-methylnaphthalene; 4-methylphenol; acenaphthene; benzoic acid; bis(2-ethylhexyl)phthalate; carbazole; dibenzofuran; fluorene; naphthalene; phenanthrene; and pyrene] are considered to be SRCs from the CY 2004 groundwater sampling.

**Natural Attenuation Parameters.** The groundwater samples were analyzed for the following natural attenuation parameters during CY 2004 sampling: iron, sulfate, sulfide, carbon dioxide, nitrate, nitrite, and methane.

Iron, the only metal analyzed, was detected in all 12 downgradient groundwater samples at concentrations ranging from 128J  $\mu$ g/L at MW17 to 9,310J  $\mu$ g/L at MW4. The concentrations at MW7 (8,930J  $\mu$ g/L) and MW4 (9,310J  $\mu$ g/L) exceed the U. S. Environmental Protection Agency Region III RBC of 4,378  $\mu$ g/L (Table 5). Iron was also detected in the site-specific background location (MW1) at a concentration of 1,980  $\mu$ g/L.

Sulfate was detected or estimated in 10 of 12 downgradient groundwater samples at concentrations ranging from 376J  $\mu$ g/L at MW5 to 8,920  $\mu$ g/L at MW18. Sulfate was also estimated in the site-specific background location (MW1) at a concentration of 925J  $\mu$ g/L.

Carbon dioxide was detected in 5 of 13 downgradient groundwater samples at concentrations ranging from 52,700  $\mu$ g/L at MW3 to 315,000  $\mu$ g/L at MW17.

Methane was detected in 11 of 12 downgradient groundwater samples at concentrations ranging from 20.4  $\mu$ g/L at MW5 to 293  $\mu$ g/L at MW18. Methane was also estimated in the site-specific background location (MW1) at a concentration of 18.3  $\mu$ g/L.

Nitrate, nitrite, and sulfide were all non-detected at a detection limit of  $<100 \mu g/L$ .

#### 2.4 GROUNDWATER ANALYSIS

The analysis of the 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). SRCs in groundwater from the CY 2004 sampling event included 5 VOCs and 12 SVOCs. The VOCs were 1,2-dichloroethene; 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. The results of the SRC evaluation are summarized in Table 6 and are discussed below.

Analyte	Maximum Detect from RFI	Maximum Detect 2004	Station at Maximum Detect 2004	EPA Region 3 Tap Water	Maximum Detect >RBC	Present Remedial Level	New COC?	Justification
Volatile Organic Compounds (µg/L)								
1,2-Dichloroethene	ND	0.49	MW4	5.48	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 3 RBC. Therefore, no further action required
Benzene	61	42.9	MW14	0.34	Yes	5	No	Remedial level exists. Continue remediation proposed in CAP
Ethylbenzene	7	1.4	MW7	134	No	None <sup>a</sup>	No	Concentration below previous maximum from RFI; therefore, no further evaluation is required
Toluene	ND	1	MW9	74.70	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 3 RBC. Therefore, no further action required
Xylenes, Total	38.5	10.8	MW14	21.26	No	None <sup>a</sup>	No	Concentration below previous maximum from RFI; therefore, no further evaluation is required
		-	Sem	ivolatile Org	ganic Compo	unds (µg/L)	-	
1,2-Dichlorobenzene	ND	1.7	MW7	26.82	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 3 RBC. Therefore, no further action required
2-Methylnaphthalene	31.9	33.3	MW4	2.43	Yes	None <sup>a</sup>	Yes	Concentration slightly above previous maximum and EPA Region 3 RBC. Groundwater will be monitored as part of corrective action
4-Methylphenol	21.3	2.1	MW7	18.25	No	None <sup>a</sup>	No	Concentration below previous maximum from RFI; therefore, no further evaluation is required
Acenaphthene	ND	2	MW4	36.50	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 3 RBC. Therefore, no further action required
Benzoic Acid	ND	12.9	MW6	14600	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 3 RBC. Therefore, no further action required
Bis(2-ethylhexyl)phthalate	ND	2.8	MW6	4.78	No	None	No	Concentration above previous maximum; however, concentration does not exceed EPA Region 3 RBC. Therefore, no further action required

#### Table 6. Evaluation of Site-Related Constituents in Groundwater, SWMU 27F, Northwest of Building 1340

#### Station at EPA Region 3 Maximum Maximum Maximum Maximum Present Detect Тар Detect Remedial New Detect Detect COC? from RFI 2004 2004 Water >RBC **Justification** Analyte Level Concentration below previous maximum and Carbazole 5.7 3.1 **MW14** 3.35 No 34.9 No remedial level established in the RFI. Therefore, no further action required Concentration above previous maximum and EPA Yes Dibenzofuran ND 1.4 MW4 1.22 None Yes Region 3 RBC. Groundwater will be monitored as part of corrective action Concentration above previous maximum; however, Fluorene 2.1 3.5 MW4 24.33 No None<sup>a</sup> No concentration does not exceed EPA Region 3 RBC. Therefore, no further action required Naphthalene 37.2 43 **MW14** 0.65 Yes None<sup>*a*</sup> Yes Concentration slightly above previous maximum and EPA Region 3 RBC. Groundwater will be monitored as part of corrective action 6.1 MW4 No No Phenanthrene ND 18.25 None Concentration above previous maximum; however, concentration does not exceed EPA Region 3 RBC. Therefore, no further action required 0.71 MW4 18.25 No Pyrene ND None No Concentration above previous maximum; however, concentration does not exceed EPA Region 3 RBC. Therefore, no further action required

#### Table 6. Evaluation of Site-Related Constituents in Groundwater, SWMU 27F, Northwest of Building 1340 (continued)

<sup>*a*</sup>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  $1 \times 10^{-6}$  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.

RBC = Risk-based concentration.

RFI = Resource Conservation and Recovery Act (RCRA) facility investigation.

SRC = Site-related constituent.

SWMU = Solid waste management unit.

**1,2-Dichloroethene.** 1,2-Dichloroethene was not previously detected in groundwater. 1,2-Dichloroethene was detected below its Region III RBC; therefore, no further evaluation is required.

**Benzene.** Benzene was identified as a groundwater COC in the revised final Phase II RFI addendum report (SAIC 2001) and the CAP (SAIC 2004). A RL of 5  $\mu$ g/L was established in the Phase II RFI. Benzene concentrations continue to exceed the RL and will continue to be remediated under the corrective action proposed in the CAP (SAIC 2004).

**Ethylbenzene.** Ethylbenzene was detected below the concentration of the maximum concentration detected in the Phase II RI; therefore, no further evaluation is required.

**Toluene.** Toluene was not previously detected in groundwater. Toluene was detected below its Region III RBC; therefore, no further evaluation is required.

**Total Xylenes.** Total xylenes were detected below the concentration of the maximum concentration detected in the Phase II RI; therefore, no further evaluation is required.

**1,2-Dichlorobenzene.** 1,2-Dichlorobezene was not previously detected in groundwater. 1,2-Dichlorobezene was detected below its Region III RBC; therefore, no further evaluation is required.

2-Methylnaphthalene. 2-Methylnaphthalene was not identified as a groundwater COC in the revised final Phase II RFI addendum report (SAIC 2001); however, 2-methylnaphthalene was identified as a constituent of potential concern (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 hazard index (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). 2-Methylnaphthalene does not represent a carcinogenic risk. During the CY 2004 sampling, the maximum detection of 2-methynaphthalene was 33.3 µg/L compared to 31.9 µg/L during the Phase II RFI (Table 6). There was no significant difference in the maximum detections of 2-methylnaphthalene between CY 2004 and the Phase II RFI. In accordance with the protocol for evaluating constituents in groundwater after approval of the RFI report or CAP (Appendix A), two consecutive detections of a constituent above previous maximum concentrations and the EPA Region III RBC for tap water would require the development of an RL and its potential designation as a COC. However, since there is no statistical difference between the measurements, the risk for the CY 2004 maximum concentration (33.3  $\mu$ g/L) is still below an HI of 0.1. Therefore, 2-methylnaphthalene does not represent a risk to human health. The concentration of 2-methylnaphthalene will continue to be monitored under the corrective action proposed in the CAP.

**4-Methylphenol.** 4-Methylphenol was detected below the concentration of the maximum concentration identified in the Phase II RI; therefore, no further evaluation is required.

Acenaphthene. Acenaphthene was not previously detected in groundwater. Acenaphthene was detected below its Region III RBC; therefore, no further evaluation is required.

**Benzoic Acid.** Benzoic acid was not previously detected in groundwater. Benzoic acid was detected below its Region III RBC; therefore, no further evaluation is required.

**Bis(2-ethylhexyl)phthalate.** Bis(2-ethylhexyl)phthalate was not previously detected in groundwater. Bis(2-ethylhexyl)phthalate was detected below its Region III RBC; therefore, no further evaluation is required.

**Carbazole.** Carbazole was identified as a groundwater COC in the revised final Phase II RFI addendum report (SAIC 2001) and in the CAP (SAIC 2002). A RL of 34.9  $\mu$ g/L was derived. The maximum estimated concentration of carbazole (3.1J  $\mu$ g/L) was below the established RL of 34.9  $\mu$ g/L and the maximum concentration detected in the RFI (5.7  $\mu$ g/L); therefore, the corrective action for carbazole has been achieved.

**Dibenzofuran.** Dibenzofuran was not previously detected in groundwater. Dibenzofuran was detected above its Region III RBC; therefore, no further evaluation is required. In accordance with the protocol established after the issuance of the RFI or CAP (Appendix A), the next groundwater-sampling event will confirm if dibenzofuran is a concern.

**Fluorene.** Fluorene was detected above the previous MDC during the Phase II RI. Fluorene was detected an order of magnitude below the EPA Region III RBC; therefore, no further evaluation is required.

**Naphthalene.** Naphthalene was not identified as a groundwater COC in the revised final Phase II RFI addendum 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  $\mu$ g/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 CY 2004 sampling, the maximum detection of naphthalene was 43  $\mu$ g/L compared to 37.2  $\mu$ g/L during the Phase II RFI. There is essentially no statistical difference between CY 2004 and Phase II RFI. In accordance with the protocol for evaluating constituents in groundwater after approval of the RFI report or CAP (Appendix A), two consecutive detections of a constituent above previous maximum concentration as a COC. However, since there is no statistical difference between the measurements, the risk for the CY 2004 maximum concentration (43  $\mu$ g/L) is still below an HI of 0.1. Therefore, naphthalene does not represent a risk to human health. 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 below its Region III RBC; therefore, no further evaluation is required.

**Pyrene.** Pyrene was not previously detected in groundwater. Pyrene was detected below its Region III RBC; therefore, no further evaluation is required.

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

### 3.0 UPDATE OF THE FATE AND TRANSPORT MODEL

Fate and transport modeling was used to evaluate MNA as the selected remedial alternative for soil and groundwater contamination for the CAP at SWMU 27F, and the results were presented in Section 2.15 and Appendix G of that report (SAIC 2004). At the time of the issuance of the CAP, the sampling data used in the fate and transport analysis were analytical data obtained up to January 2001. Since that time, groundwater results collected in CY 2002 (SAIC 2003) and this most recent data presented in this report (CY 2004) were used to validate and/or update the transport model, as necessary.

As discussed in Chapter 2, SRCs in groundwater from the CY 2004 sampling event included 5 VOCs and 12 SVOCs. The VOCs were 1,2-dichloroethene; 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. Of these, only benzene, 2-methylnaphthalene, and dibenzofuran were considered to be of potential concern. Benzene is a COC with an established RL of 5  $\mu$ g/L. Benzene has been the primary constituent modeled since it is the most mobile of the contaminants at SWMU 27F. 2-Methylnaphthalene has been detected slightly above concentrations detected in the RFI but at concentrations that are not statistically different than the maximum detect from the RFI. Dibenzofuran has only been detected once and at a concentration slightly above its Region III RBC for tap water. Therefore, the modeling was only updated for benzene, the primary COC in the groundwater and the most mobile. Table 7 presents a summary of the inputs for both the previous (CY 2002) and the current (CY 2004) modeling for benzene in groundwater. The groundwater results for benzene from CY 2004 were used to validate and/or update the transport model, as discussed below.

	Benzene				
Parameter	CY 2002 Modeling	CY 2004 Modeling			
Release rate (mg/hour)	Variable (1.7 to 4.9)	Variable (1.4 to 7.5)			
Plume size $(m \times m)$	10 × 6	17 × 6			
Bulk density (g/cc)	1.69	1.69			
Effective porosity (%)	20	20			
Hydraulic conductivity (m/hour)	0.055	0.055			
Hydraulic gradient (m/m)	0.0054	0.00184			
Kd (L/kg)	0.5589	0.5589			
Longitudinal dispersivity (m)	10	15			
Transverse dispersivity (m)	3	5			
Vertical dispersivity (m)	1	1.5			
Molecular diffusion (m <sup>2</sup> /hour)	3.53E-06	3.53E-06			
Biodegradation rate (hour <sup>-1</sup> )	4.01E-05	4.01E-05			

Table 7. Summary of Input Parameter Used for AT123D Modeling,SWMU 27F, Northwest of Building 1340

AT123D = Analytical Transient 1-, 2-, 3-Dimensional (model).

CY = Calendar year.

SWMU = Solid waste management unit.

The maximum groundwater concentration of benzene at this site was observed to be  $42.9 \ \mu g/L$  (MW14) from the August 2004 groundwater sampling. However, the concentration was predicted to be  $51 \ \mu g/L$  based the Analytical Transient 1-, 2-, 3-Dimensional (AT123D) model calibrated against the September 2002 sampling results. Therefore, the AT123D model was recalibrated to this new concentration with the revised horizontal hydraulic gradient observed during CY 2004 sampling. Although the concentration in MW14 decreased significantly as compared to the model prediction, concentrations in other wells (MW7, MW9, and MW10) almost doubled. To account for contamination in these wells, the source size had to be increased, thereby increasing the source loading. Therefore, the model was calibrated by adjusting the loading rates and the source size. As with the previous modeling results (SAIC 2003), the updated modeling indicates that benzene migration from SWMU 27F will not be of concern at the nearest receptor location (man-made drainage ditch, approximately 450 ft southwest of the site). Based on the updated fate and transport modeling, the benzene concentration is not expected to

ever exceed its RL (MCL) beyond 50 ft downgradient from MW 14 (Table 8). The updated modeling results also indicate that the groundwater concentration of benzene at this site will be reduced to below its MCL within 8 years (from September 2002) (Figure 8), which is a slightly longer timeframe than that predicted in the CAP Progress Report for CY 2002 (i.e., 6.5 years from September 2002; Table 9). The natural attenuation time has slightly increased mainly because the hydraulic gradient has decreased, thereby decreasing the dilution due to advection.

Distance to Receptor	Predicted Maximum Concentration of Benzene in Groundwater				
(ft)	(mg/L)	DAF			
0.00	56.3	1.00			
3	47.0	1.20			
7	38.7	1.45			
10	32.0	1.76			
13	26.7	2.11			
16	22.4	2.51			
20	18.9	2.98			
23	16.0	3.52			
26	13.7	4.11			
30	11.7	4.8			
33	10.0	5.6			
39	7.4	7.6			
49	4.8	11.8			
66	2.3	25			
89	0.8	70			
98	0.5	120			

## Table 8. Dilution and Attenuation Factors,SWMU 27F, Northwest of Building 1340

DAF = Dilution attenuation factor.

SWMU = Solid waste management unit.

Table 9. Summary of Results from Previous and Updated Modeling,
SWMU 27F, Northwest of Building 1340

	Pr	evious Modeling	Updated Modeling			
COPCs	Concern at Receptor?	Natural Attenuation Time (Years from September 2002)	Concern at Receptor?	Natural Attenuation Time (Years from September 2002)		
Benzene	No	6.5	No	8.0		

COPC = Constituent of potential concern.

SWMU = Solid waste management unit.

It should be noted that free product was observed in MW4 and MW12 during the August 2004 sampling. If this free product is not removed then it might act as a continuous source, thereby creating a separate plume around MW12 and MW4. Therefore, concentrations in some of the wells may increase in the future.


Figure 8. Predicted Concentration of Benzene in Groundwater Below the Source Using AT123D Modeling, SWMU 27F, Northwest of Building 1340

## 4.0 CONCLUSIONS AND RECOMMENDATIONS

### 4.1 CONCLUSIONS

Groundwater samples were collected during the CY 2004 sampling event in accordance with the selected remedial alternative recommended for SWMU 27F (SAIC 2004). The conclusions below are presented by medium sampled during the CY 2004 event.

### 4.1.1 Groundwater Results for Calendar Year 2004

Constituents detected in groundwater during the CY 2004 groundwater-sampling event included 5 VOCs and 12 SVOCs. The VOCs were 1,2-dichloroethene; 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  $\mu$ g/L) and the maximum concentration detected in the RFI (5.7  $\mu$ g/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 III RBCs. Dibenzofuran (1.4 µg/L) was detected only slightly above its EPA Region III 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 III RBC for tap water. However, the concentrations are not high enough to exceed an HI of 0.1; therefore, 2-methylnaphthalene and naphthalene do not represent a risk to human health.

Table 10 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 Region III RBC for tap water. Table 10 indicates that benzene tends to be decreasing or staying relatively constant at low concentrations. In MW14, benzene has decreased from a concentration of 79.1  $\mu$ g/L in CY 2000 to 42.9  $\mu$ g/L in CY 2004. However, in MW9, the benzene concentration has increased from 4.4  $\mu$ g/L in CY 2002 to 16.4  $\mu$ g/L in CY 2004. Figure 9 presents the estimated nature and extent of benzene contamination based on CY 2004 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 concentration of 2-methylnaphthalene and naphthalene was 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  $\mu$ g/L in 2001 and has increased to 33.4 and 33.3  $\mu$ g/L in CY 2002 and CY 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.

Station		MW1	MW1	MW1	7J-MW1	7J-MW3	7J-MW3	7J-MW3	7J-MW3	7J-MW4
Sample ID	Remedial	7J4171	7J4172	7J4173	7J4174	7J4371	7J4372	7J4373	7J4374	7J4471
Date	Level	11/02/99	01/05/01	09/19/02	08/19/04	11/01/99	01/05/01	09/20/02	08/19/04	11/01/99
Benzene	5									
2-Methylnaphthalene	None <sup>a</sup>					4.1 J				
Carbazole	34.9									
Naphthalene	None <sup>a</sup>					4.4 J	1	1 J	0.4 J	

# Table 10. Concentrations of Benzene, Carbazole, 2-Methylnaphthalene, and Naphthalene inShallow Groundwater Since 1999 at SWMU 27F, Northwest of Building 1340

Station		7J-MW4	7J-MW4	7J-MW4	7J-MW5	7J-MW5	7J-MW5	7J-MW5	7J-MW6	7J-MW6
Sample ID	Remedial	7J4472	7J4473	7J4474	7J4571	7J4572	7J4573	7J4574	7J4671	7J4672
Date	Level	01/06/01	09/20/02	08/20/04	11/02/99	01/05/01	09/19/02	08/19/04	11/01/99	01/07/01
Benzene	5	1.5	0.53 J							0.17 J
2-Methylnaphthalene	None <sup>a</sup>	15.6	33.4	33.3						
Carbazole	34.9		1.2 J							
Naphthalene	None <sup>a</sup>	11	15.5	11.8				1.4		

Station		7J-MW6	7J-MW6	7J-MW7	7J-MW7	7J-MW7	7J-MW7	7J-MW9	7J-MW9	7J-MW9
Sample ID	Remedial	7J4673	7J4674	7J4771	7J4772	7J4773	7J4774	7J4971	7J4972	7J4973
Date	Level	09/20/02	08/19/04	11/01/99	01/06/01	09/19/02	08/20/04	11/02/99	01/05/01	09/19/02
Benzene	5				31.4	4.3	12.2	4.6	5.8	4.4
2-Methylnaphthalene	None <sup>a</sup>				7.4	1.3	2.8		2.3	1.4
Carbazole	34.9						0.78 J			
Naphthalene	None <sup>a</sup>	0.16 J	1.6			1.4	3.7		3.6	3.2

28

Station		7J-MW9	7J-MW10	7J-MW10	7J-MW10	7J-MW10	7J-MW13	7J-MW13	7J-MW14	7J-MW14
Sample ID	Remedial	7J4974	7J4A71	7J4A72	7J4A73	7J4A74	7J4D71	7J4D72	7J4E71	7J4E72
Date	Level	08/19/04	11/01/99	01/07/01	09/23/02	08/20/04	11/29/00	01/07/01	11/30/00	01/06/01
Benzene	5	16.4	8.5	2.4	2.9	3.4			79.1	61
2-Methylnaphthalene	None <sup>a</sup>	11.6	10.8 J	1.7	4.1	6.4	NA		NA	31.9
Carbazole	34.9	2.6 J				1.1 J	NA		NA	5.7 J
Naphthalene	None <sup>a</sup>	19.8	6.4 J	1.2	2.6	4.6	NA		NA	37.2

# Table 10. Concentrations of Benzene, Carbazole, 2-Methylnaphthalene, and Naphthalene in Shallow Groundwater Since 1999 at SWMU 27F, Northwest of Building 1340 (continued)

Station		7J-MW14	7J-MW14	7J-MW15	7J-MW15	7J-MW15	7J-MW15	7J-MW16	7J-MW16	7J-MW16
Sample ID	Remedial	7J4E73	7J4E74	7J4F71	7J4F72	7J4F73	7J4F74	7J4G71	7J4G72	7J4G73
Date	Level	09/19/02	08/20/04	11/29/00	01/06/01	09/19/02	08/20/04	12/05/00	01/06/01	09/20/02
Benzene	5	57.3	42.9					2.1	0.28 J	
2-Methylnaphthalene	None <sup>a</sup>	32	25.5	NA			1.2	NA		
Carbazole	34.9	4.4 J	3.1 J	NA				NA		
Naphthalene	None <sup>a</sup>	45.9	43	NA			4.1	NA		

Station		7J-MW16	7J-MW17	7J-MW17	7J-MW17	7J-MW17	7J-MW18	7J-MW18	7J-MW18	7J-MW18
Sample ID	Remedial	7J4G74	7J4H71	7J4H72	7J4H73	7J4H74	7J4J71	7 <b>J</b> 4J72	7J4J73	7J4J74
Date	Level	08/19/04	12/05/00	01/06/01	09/19/02	08/20/04	12/05/00	01/08/01	09/19/02	08/19/04
Benzene	5		2						0.38 J	
2-Methylnaphthalene	None <sup>a</sup>		NA				NA		5.1	10.6
Carbazole	34.9		NA				NA			
Naphthalene	None <sup>a</sup>		NA		1 J		NA	3.8	4.9	9.7

<sup>*a*</sup>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  $1 \times 10^{-6}$  and the hazard index of 1.0; therefore, the constituent was not a risk driver and was dismissed. ID = Identifier.

J = Estimated value.

NA = Not available.

RBC = Risk-based concentration.

SWMU = Solid waste management unit.

Bold indicates concentration exceeds remedial level.



Figure 9. Estimated Area of Benzene Groundwater Contamination for CY 2004, SWMU 27F, Northwest of Building 1340

Free product was measured in MW4 and MW12 during the CY 2004 groundwater-sampling event. The accumulation of free product is slow and is probably the result of residual contamination in the soil being flushed out. At present, the small amount of free product has not changed the concentrations of contaminants in groundwater.

### 4.1.2 Update of the Fate and Transport Model

The modeling performed in the CAP for SWMU 27F to evaluate the fate and transport and natural attenuation of benzene was calibrated/verified with the CY 2004 groundwater concentrations. The updated fate and transport 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 (Table 10), 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.

### 4.2 **RECOMMENDATIONS**

Free product was measured in MW4 and MW12 during the CY 2004 groundwater-sampling event. 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 removed quarterly.

The CAP for SWMU 27F proposed biannual (every 2 years) groundwater monitoring. Given the accumulation of measurable quantities of free product in MW12 and MW4, it is recommended that the biannual groundwater monitoring frequency of the 14 shallow monitoring wells be continued. 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. MW13, a shallow groundwater well, has been added to the groundwater-sampling network. MW13 has not been included in this sampling scenario in the past because benzene contamination had not extended side-gradient to this location or other locations closer to the potential source. However, 2-methynaphthalene and naphthalene have been detected above EPA Region III RBCs in side-gradient monitoring wells nearer the potential source. Therefore, MW13 has been added to the groundwater network to ensure contamination has not migrated to this location. The groundwater should be sampled using low-flow techniques and analyzed for VOCs, SVOCs, and natural attenuation parameters. The results of the biannual groundwater sampling will be submitted biannually to GA EPD in a CAP progress report until RLs have been achieved.

The results of the next biannual groundwater-sampling event (CY 2006) will confirm the timeframe for achieving RLs for benzene and whether naphthalene and 2-methylnaphthalene represent a risk to human health and require the development of RLs.

### 5.0 REFERENCES

- EPA (U. S. Environmental Protection Agency) 2002. EPA Region III Risk-based Concentration Table, EPA Region III, Hazardous Site Cleanup Division, <a href="http://www.epa.gov/reg3hwmd/risk/riskmenu.htm">http://www.epa.gov/reg3hwmd/risk/riskmenu.htm</a>.
- GA EPD (Georgia Environmental Protection Division) 1996. *Guidance for Selecting Media Remediation Levels at RCRA Solid Waste Management Units*, Georgia Environmental Protection Division, Atlanta, Georgia, November.
- SAIC (Science Applications International Corporation) 1997. Sampling and Analysis Plan for 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 2003. 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 (Final), January.
- 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.

# APPENDIX A

# PROTOCOL FOR ESTABLISHING REMEDIAL LEVELS

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### Longaker, Jeff

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



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 (SWMUs) 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 (GEPD)–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 GEPD–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 from the monitoring data will be compared to the maximum detected concentration listed in the RFI. If the concentration is elevated (i.e., greater than the maximum detected concentration reported in the RFI), 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.

Screening. Upon confirmation of the sampling results, the maximum concentration will be screened using the U.S. Environmental Protection Agency Region III risk-based concentrations (RBCs) for tap



Figure A-1. Protocol for Developing Remedial Level

water as described in Section 7.3.2 ("Screening Values for Groundwater") of the revised final Phase II RFI report for 16 SWMUs 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, 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  $1 \times 10^{-4}$  (GEPD 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 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 GEPD 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

- GEPD (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**

# ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS

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### STATE OF GEORGIA ENVIRONMENTAL LABORATORY ACCREDITATION

Name of Laboratory: Address:	General Engineering Laboratories, Inc. P.O. Box 30712 2040 Savage Road Charleston SC 29407
Contact:	Bob Pullano
Telephone number:	(843) 556-8171
Fax number:	(843) 766-1178
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, 2005
Accreditation Scope:	SDWA, CWA, RCRA, CERCLA
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, 2005
Accreditation Scope:	SDWA, CWA, RCRA, CERCLA

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# ANALYTICAL RESULTS

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Station: 7J-MW-01			Coor	Northing: 6 d System: G	84433 A83E	.2503 ast	Easting: 82 Method:	1537.7857	
Station: 7J-M Sample ID: 7J41 Date Collected: 08/19	W-01 74 Me 9/2004 Field Sample T	dia: Groundv ype: Grab	water	Lab	Data	/alidation	Detection		
Analysis	Chemical	Result	Units	Qual	Qual	Code	Limit	Dilution	
Common Anions	General Engineering Laboratory	/							
EPA 300.0	Nitrate	0.0341	MG/L	U	UJ	102	0.0341	1	
	Nitrite	0.0542	MG/L	U	UJ	102	0.0542	1	
	Sulfate	0.925	MG/L		J	102	0.193	1	
General Chemistry	General Engineering Laborator	y						and the second second	
SM4500-CO2	Carbon Dioxide	1	MG/L	U	U		1	1	
EPA 376.2	Sulfide	0.0248	MG/L	U	U		0.0248	1	
Inorganics	General Engineering Laborator	y							
SW846 6010	Iron	1980	UG/L		=		4.37	1	
Semi-Volatile Organics	General Engineering Laborator	У							
SW846 8270C	1,2,4-Trichlorobenzene	9.6	UG/L	U	U		9.6	1	
	1,2-Dichlorobenzene	9.6	UG/L	U	U		9.6	1	
	1,3-Dichlorobenzene	9.6	UG/L	U	U		9.6	1	
	1,4-Dichlorobenzene	9.6	UG/L	U	υ		9.6	1	
	2,4,5-Trichlorophenol	9.6	UG/L	U	U		9.6	1	
	2,4,6-Trichlorophenol	9.6	UG/L	U	U		9.6	1	
	2,4-Dichlorophenol	9.6	UG/L	U	U		9.6	1	
	2,4-Dimethylphenol	9.6	UG/L	U	U		9.6	1	
	2,4-Dinitrophenol	19.2	UG/L	U	U		19.2	1	
	2,4-Dinitrotoluene	9.6	UG/L	U	U		9.6	1	
	2,6-Dinitrotoluene	9.6	UG/L	U	U		9.6	1	
	2-Chloronaphthalene	0.96	UG/L	U	U		0.96	1	
	2-Chlorophenol	9.6	UG/L	U	U		9.6	1	
	2-Methyl-4,6-dinitrophenol	9.6	UG/L	U			9.6	1	
	2-Methylnaphthalene	0.96	UG/L	0			0.96	1	
	2-Methylphenol	9.6	UG/L	0			9.6	1	
	2-Nitrophonol	9.0	UG/L	0			9.6	1	
	2-Nitrophenol	9.0	UG/L	0			9.0	1	
	3,3-Dichlorobenzidine	9.0	UG/L	0			9.0	1	
	4 Bromonhanyl phonyl other	9.0	UG/L	0			9.0	1	
	4-Chloro-3-methylohenol	9.6	UG/L	ŭ			9.6	- 1	
	4-Chloroaniline	9.6	UG/L	ŭ	ŭ		9.6	1	
	4-Chlorophenyl phenyl ether	9.6	UG/L	ŭ	ŭ		9.6	1	
	4-Methylphenol	9.6	UG/L	ŭ	ŭ		9.6	1	
	4-Nitroaniline	9.6	UG/L	ŭ	ŭ		9.6	1	
	4-Nitrophenol	9.6	UG/L	Ŭ	Ū		9.6	1	
	Acenaphthene	0.96	UG/L	Ŭ	U		0.96	1	
	Acenaphthylene	0.96	UG/L	U	U		0.96	1	
	Anthracene	0.96	UG/L	U	U		0.96	1	
	Benz(a)anthracene	0.96	UG/L	U	U		0.96	1	
	Benzenemethanol	9.6	UG/L	U	U		9.6	1	
	Benzo(a)pyrene	0.96	UG/L	U	U		0.96	1	
	Benzo(b)fluoranthene	0.96	UG/L	U	U		0.96	1	
	Benzo(ghi)perylene	0.96	UG/L	U	U		0.96	1	
	Benzo(k)fluoranthene	0.96	UG/L	U	R	C04,C0	5 0.96	1	
	Benzoic acid	19.2	UG/L	U	U		19.2	1	
	Bis(2-chloroethoxy)methane	9.6	UG/L	U	U		9.6	1	
	Bis(2-chloroethyl) ether	9.6	UG/L	U	U		9.6	1	
	Bis(2-Chloroisopropyl)Ether	9.6	UG/L	U	U		9.6	1	
	Bis(2-ethylhexyl)phthalate	9.6	UG/L	U	U		9.6	1	
	Butyl benzyl phthalate	9.6	UG/L	U	U		9.6	1	

Station: 7J-MW-01 Sample ID: 7J4174 Date Collected: 08/19/2004

Media: Groundwater Field Sample Type: Grab

Semi-Volution         General Engineering Laboratory         UGL         U         9.6         UGL         U         9.6         1           SW946 8270C         Chrysten         9.6         UGL         U         U         9.6         1           Dh-houtyl phthalate         9.6         UGL         U         U         9.6         1           Dh-noutyl phthalate         9.6         UGL         U         U         9.6         1           Diferextyl phthalate         9.6         UGL         U         U         9.6         1           Plorentheme         9.6         UGL         U         U         9.6         1           Hexachlorocytapentaldene         9.6         UGL         U         U         9.6         1           Networksocytapentaldene         9.6         UGL         U         U         9.6         1           H	Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution	
SW646 8270C         Carbazole         9.6         UGL         U         U         9.6         1           Chrysnen         0.96         UGL         U         U         9.6         1           Dih-butyl phthalate         9.6         UGL         U         U         9.6         1           Dih-ozdyl phthalate         9.6         UGL         U         U         9.6         1           Dibenz(A)panthracene         0.96         UGL         U         U         9.6         1           Dibenz(A)panthracene         9.6         UGL         U         U         9.6         1           Dibenz(A)phthalate         9.6         UGL         U         U         9.6         1           Diptenylamine         9.6         UGL         U         U         9.6         1           Plucranthree         0.96         UGL         U         U         9.6         1           Hexachlorobraziene         9.6         UGL         U         U         9.6         1           Hexachlorobraziene         9.6         UGL         U         U         9.6         1           Hexachlorobraziene         9.6         UGL         U	Semi-Volatile Organics	General Engineering Laboratory								
Chysene         0.56         UGL         U         U         0.66         1           Din-body/phthalate         9.6         UGL         U         U         9.6         1           Dibenzofuran         9.6         UGL         U         U         9.6         1           Dibenzofuran         9.6         UGL         U         U         9.6         1           Diethy/phthalate         9.6         UGL         U         U         9.6         1           Dimethy/phthalate         9.6         UGL         U         U         9.6         1           Playsmine         9.6         UGL         U         U         9.6         1           Hescabhorobactations         9.6         UGL         U         U         9.6 </td <td>SW846 8270C</td> <td>Carbazole</td> <td>9.6</td> <td>UG/L</td> <td>U</td> <td>U</td> <td></td> <td>9.6</td> <td>1</td> <td></td>	SW846 8270C	Carbazole	9.6	UG/L	U	U		9.6	1	
Dis-budy phthalate         9.6         UGL         U         U         9.6         1           Dibenz(a,h)anthracene         0.86         UGL         U         U         9.68         1           Dibenz(a,h)anthracene         0.86         UGL         U         U         9.68         1           Diebnz(a,h)anthracene         9.6         UGL         U         U         9.68         1           Diebnz(a,h)anthracene         9.6         UGL         U         U         9.68         1           Diebnz(a,h)anthracene         9.6         UGL         U         U         9.68         1           Ploranthrene         9.6         UGL         U         U         9.68         1           Hexachlorobanzene         9.6         UGL         U         U         9.68         1           Hexachlorozethanen         9.6         UGL         U         U         9.68         1           Hexachlorozethanen         9.6         UGL         U         U         9.68         1           Hexachlorozethanen         9.6         UGL         U         U         9.68         1           N+Ntoso-de-proprognamine         9.6         UGL		Chrysene	0.96	UG/L	U	U		0.96	1	
Di-n-octy/phthalate         9.6         UG/L         U         U         9.6         1           Dibenzoturan         9.6         UG/L         U         U         9.6         1           Dibenzoturan         9.6         UG/L         U         U         9.6         1           Dienty/phthalate         9.6         UG/L         U         U         9.6         1           Dimetry/phthalate         9.6         UG/L         U         U         9.6         1           Diphenynamine         9.6         UG/L         U         U         9.6         1           Horachtorobatadiane         9.6         UG/L         U         U<		Di-n-butyl phthalate	9.6	UG/L	U	U		9.6	1	
Diberation         0.96         UG/L         U         U         0.96         1           Diberty/phthalate         9.6         UG/L         U         U         9.6         1           Dimety/phthalate         9.6         UG/L         U         U         9.6         1           Dimety/phthalate         9.6         UG/L         U         U         9.6         1           Dimety/phthalate         9.6         UG/L         U         U         9.6         1           Phometambre         0.66         UG/L         U         U         9.6         1           Hexachiorobuladieme         9.6         UG/L         U         U         9.6         1           Nohthelene         0.96         UG/L         U         U		Di-n-octylphthalate	9.6	UG/L	U	U		9.6	1	
Diberzofurán         9.6         UGAL         U         U         9.6         1           Diethy phthalate         9.6         UGAL         U         U         9.6         1           Diphenylamine         9.6         UGAL         U         U         9.6         1           Plucrente         0.96         UGAL         U         U         9.6         1           Hexachicrobenzane         9.6         UGAL         U         U         9.6         1           Hexachicrobenzane         9.6         UGAL         U         U         9.6         1           Hexachicrobenzane         9.6         UGAL         U         U         9.6         1           Hexachicropulatione         9.6         UGAL         U         U         9.6         1           Hexachicrophane         9.6         UGAL         U         U         9.6         1           Nellocacin-propylamine         9.6         UGAL         U         U         9.6         1           Nellocacin-propylamine         9.6         UGAL         U         U         9.6         1           Nellocacin-propylamine         9.6         UGAL         U         U </td <td></td> <td>Dibenz(a,h)anthracene</td> <td>0.96</td> <td>UG/L</td> <td>U</td> <td>U</td> <td></td> <td>0.96</td> <td>1</td> <td></td>		Dibenz(a,h)anthracene	0.96	UG/L	U	U		0.96	1	
Dieltyl phthalate         9.6         UGAL         U         U         9.6         1           Dimetyl phthalate         9.6         UGAL         U         U         9.6         1           Dipenylamine         9.6         UGAL         U         U         9.6         1           Fluoranne         0.66         UGAL         U         U         9.6         1           Hexachloroburzane         9.6         UGAL         U         U         9.6         1           Isophorone         9.6         UGAL         U         U         9.6         1           Naphthalene         0.96         UGAL         U         U         9.6         1           Prenachlorophanine         9.6         UGAL         U         U         9.6 </td <td></td> <td>Dibenzofuran</td> <td>9.6</td> <td>UG/L</td> <td>U</td> <td>U</td> <td></td> <td>9.6</td> <td>1</td> <td></td>		Dibenzofuran	9.6	UG/L	U	U		9.6	1	
Dimethy phthalate         9.6         UGAL         U         U         9.6         1           Diphenylamine         9.6         UGAL         U         U         0.96         1           Fluoranthene         0.96         UGAL         U         U         0.96         1           Fluorene         0.96         UGAL         U         U         0.96         1           Hexachlorobenzene         9.8         UGAL         U         U         9.6         1           Hexachlorobenzene         9.8         UGAL         U         U         9.6         1           Hexachlorobenzene         9.8         UGAL         U         U         9.6         1           Hexachlorophanine         9.8         UGAL         U         U         9.6         1           Nitrobenzene         9.8         UGAL         U         U         9.6         1           Nitrobenzene         9.6         UGAL         U         U         9.6         1           Perenalthrene         0.96         UGAL         U         U         9.6         1           Volatile Organic         General Engineering Laboratory         UGAL         U         U		Diethyl phthalate	9.6	UG/L	U	U		9.6	1	
Diphenylamine         9.6         UGL         U         U         9.6         1           Fluorene         0.96         UGL         U         U         0.96         1           Hexachlorobanzene         9.5         UGL         U         U         9.6         1           Hexachlorobanzene         9.5         UGL         U         U         9.6         1           Hexachlorobanzene         9.6         UGL         U         U         9.6         1           Hexachlorobanzene         9.6         UGL         U         U         9.6         1           Indenof 1,2,3-odjøyrene         0.96         UGL         U         U         9.6         1           Naphthalene         0.96         UGL         U         U         9.6         1           Naphthalene         0.96         UGL         U         U         9.6         1           Prena         9.6         UGL         U         U         9.6         1           Prena         9.6         UGL         U         U         9.6         1           Volatile Organic         General Engineering Laboratory         U         1         1         1		Dimethyl phthalate	9.6	UG/L	U	U		9.6	1	
Fluoranthene         0.96         UGAL         U         U         0.96         1           Fluoranthene         0.96         UGAL         U         U         0.96         1           Hexachlorobanzene         9.8         UGAL         U         U         9.6         1           Hexachlorobanzene         9.8         UGAL         U         U         9.6         1           Hexachlorobanzene         9.6         UGAL         U         U         9.6         1           Hexachlorophanine         9.6         UGAL         U         U         9.6         1           Isophorone         9.6         UGAL         U         U         9.6         1           Nitrobenzene         9.6         UGAL         U         U         9.6         1           Pentachlorophanine         9.6         UGAL         U         U         9.6         1           Volatile Organic         General Engineering Laboratory         U         U         0.96         1           Volatile Organic         General Engineering Laboratory         U         1         1         1           Volatile Organic         General Engineering Laboratory         U         1		Diphenylamine	9.6	UG/L	U	U		9.6	1	
Fluorene         0.96         UGAL         U         U         0.96         1           Hexachlorobutadiene         9.6         UGAL         U         U         9.6         1           Indenof1,2,3-odjpyrene         0.96         UGAL         U         U         9.6         1           Naphthalene         0.96         UGAL         U         U         9.6         1           Nitrobenzene         9.6         UGAL         U         U         9.6         1           Phenafthrene         0.96         UGAL         U         U         9.6         1           Valitio Organic         General Engineering Laboratory         U         1         1         1           Valatio Presentaritic Engineering Laboratory         U         1         1<		Fluoranthene	0.96	UG/L	U	U		0.96	1	
Hexachloropentadiene         9.6         UG/L         U         9.6         1           Hexachloropyclopentadiene         9.6         UG/L         U         U         9.6         1           Hexachloropyclopentadiene         9.6         UG/L         U         U         9.6         1           Indenci (1,2,3-cd)pyrene         0.96         UG/L         U         U         9.6         1           Isophorone         9.6         UG/L         U         U         9.6         1           NNtosco-din-propylamine         9.6         UG/L         U         U         9.6         1           Nitrobenzene         9.6         UG/L         U         U         9.6         1           Phenol         0.96         UG/L         U         U         9.6         1           Pyrone         0.96         UG/L         U         U         9.6         1           SW846 3810         Methane         18.3         UG/L         U         U         1         1           Volatile Organic         General Engineering Laboratory         S         U         1         1         1         1           Volatile Organic         finitrichioroethane		Fluorene	0.96	UG/L	U	U		0.96	1	
Hexachloroputadiane         9.6         UG/L         U         9.6         1           Hexachloroputadiane         9.6         UG/L         U         U         9.6         1           Hexachloroputadiane         9.6         UG/L         U         U         9.6         1           Indenc(1,2,3-cd)pyrene         0.96         UG/L         U         U         9.6         1           Naphthalane         9.6         UG/L         U         U         9.6         1           Naphthalane         9.6         UG/L         U         U         9.6         1           Prentachlorophenol         9.6         UG/L         U         U         9.6         1           Phenol         9.6         UG/L         U         U         9.6         1           Pyrene         0.96         UG/L         U         U         9.6         1           Volatile Organic         General Engineering Laboratory         U         U         1         1           SW846 8260B         1,1.1.71richloroethane         1         UG/L         U         U         1         1           1,1.2.71richloroethane         1         UG/L         U         U <td></td> <td>Hexachlorobenzene</td> <td>9.6</td> <td>UG/L</td> <td>U</td> <td>Ū</td> <td></td> <td>9.6</td> <td>1</td> <td></td>		Hexachlorobenzene	9.6	UG/L	U	Ū		9.6	1	
Hexachlorocyclopentadiene         9.6         UG/L         U         9.6         1           Hexachlorocyclopentadiene         9.6         UG/L         U         U         9.6         1           Indenot[1,2,3-cd)pyrene         0.96         UG/L         U         U         9.6         1           Isophorone         9.8         UG/L         U         U         9.6         1           NNtroso-din-propylamine         9.6         UG/L         U         U         9.6         1           Naphthalene         0.96         UG/L         U         U         9.6         1           Prentachlorophenol         9.6         UG/L         U         U         9.6         1           Phenanthrene         0.96         UG/L         U         U         9.6         1           Phenal         0.96         UG/L         U         U         9.6         1           Volatile Organics         General Engineering Laboratory         J         20         1           Volatile Organics         General Engineering Laboratory         U         1         1           1,1,2-Trichcorechane         1         UG/L         U         U         1         1		Hexachlorobutadiene	9.6	UG/L	Ũ	Ŭ		9.6	1	
Hexachloroethane         9.6         UGL         U         U         9.5         1           Indero(1,2,3-cd)pyrene         0.96         UGL         U         U         9.6         1           Nephthalene         9.6         UGL         U         U         9.6         1           Naphthalene         9.6         UGL         U         U         9.6         1           Naphthalene         0.96         UGL         U         U         9.6         1           Pentachlorophenol         9.6         UGL         U         U         9.6         1           Phenol         9.6         UGL         U         U         9.6         1           Pyrene         0.96         UGL         U         U         9.6         1           Volatile Organic         General Engineering Laboratory         General Engineering Laboratory         U         1         1           SW846 8260B         1,1,1-Trichioroethane         1         UGL         U         1         1           1,1,2-Zifetrachioroethane         1         UGL         U         1         1         1           1,1,2-Dichioroethane         1         UGL         U <td< td=""><td></td><td>Hexachlorocyclopentadiene</td><td>9.6</td><td>UG/L</td><td>ŭ</td><td>ŭ</td><td></td><td>9.6</td><td>1</td><td></td></td<>		Hexachlorocyclopentadiene	9.6	UG/L	ŭ	ŭ		9.6	1	
Indenc(1,2,3-cd)pyrene         0.96         UG/L         U         U         0.96         1           Isophorone         9.6         UG/L         U         U         9.6         1           N=Nitros-din-rpoylamine         9.6         UG/L         U         U         9.6         1           Naphthalene         0.96         UG/L         U         U         9.6         1           Nitrobenzene         9.6         UG/L         U         U         9.6         1           Phentachlorophenol         9.6         UG/L         U         U         9.6         1           Phenarithrene         0.96         UG/L         U         U         9.6         1           Phenol         9.6         UG/L         U         U         9.6         1           SW846 8260B         Methane         18.3         UG/L         U         1         1           1,1,2-Zriothoroethane         1         UG/L         U         1         1           1,1,2-Zriothoroethane         1         UG/L         U         1         1           1,1,2-Dichloroethane         1         UG/L         U         1         1 <td< td=""><td></td><td>Hexachloroethane</td><td>9.6</td><td>UG/L</td><td>ŭ</td><td>ŭ</td><td></td><td>9.6</td><td>1</td><td></td></td<>		Hexachloroethane	9.6	UG/L	ŭ	ŭ		9.6	1	
Isophorone         9.6         UG/L         U         U         9.6         1           Nehltroso-din-propylamine         9.6         UG/L         U         U         9.6         1           Naphthalane         0.96         UG/L         U         U         9.6         1           Naphthalane         0.96         UG/L         U         U         9.6         1           Pentachlorophenol         9.6         UG/L         U         U         9.6         1           Phenol         9.6         UG/L         U         U         9.6         1           Pyrene         0.96         UG/L         U         U         9.6         1           Volatile Organic         General Engineering Laboratory         Gases         U         1         1           SW846 8260B         1,1,1-Trichhoroethane         1         UG/L         U         1         1           1,1,2-Trichoroethane         1         UG/L         U         1         1         1           1,1,2-Trichoroethane         1         UG/L         U         1         1         1           1,1,2-Dichloroethane         1         UG/L         U         1         <		Indeno(1 2 3-cd)nyrene	0.96	UG/L	ŭ	ŭ		0.96	1	
Boly Money         9.5         UG/L         U         U         9.5         1           Naphthalene         0.96         UG/L         U         U         0.96         1           Naphthalene         0.96         UG/L         U         U         0.96         1           Nitrobenzene         9.6         UG/L         U         U         0.96         1           Pentachlorophenol         9.6         UG/L         U         U         0.96         1           Prena         0.96         UG/L         U         U         0.96         1           Volatile Organic         General Engineering Laboratory         SW464 3200         1.1.1-Trichloroethane         1         UG/L         U         1         1           Volatile Organics         General Engineering Laboratory         U         1         1         1           SW464 3200         1.1.1-Trichloroethane         1         UG/L         U         U         1         1           1.1.2.2-Trictachloroethane         1         UG/L         U         U         1         1           1.1.2-Dichloroethane         1         UG/L         U         U         1         1		Isophorope	9.6	UG/L	ŭ	ŭ		9.6	1	
Naphthalene         0.0         0.0         0.0         0.0         0.0         1           Naphthalene         0.96         UG/L         U         U         0.96         1           Pertachlorophenol         9.6         UG/L         U         U         0.96         1           Phenanthrene         0.96         UG/L         U         U         0.96         1           Volatile Organic Gases         General Engineering Laboratory         US/L         U         U         0.96         1           Volatile Organic Gases         General Engineering Laboratory         U         1         1         1           Volatile Organics         General Engineering Laboratory         U         1         1         1           Volatile Organics         General Engineering Laboratory         U         1         1         1           Volatile Organics         General Engineering Laboratory         U         1         1         1           Volatile Organics         General Engineering Laboratory         U         1         1         1           Volatile Organics         General Engineering Laboratory         U         1         1         1           Volatile Organics         General Engineer		N-Nitroso-di-p-propylamine	0.6	UG/L				9.0	1	
Naturalise         0.30		Naphthalana	0.06					0.06	1	
Nutrobanzanie         5.0         UG/L         U         U         9.6         1           Pentachlorophenol         9.6         UG/L         U         U         0.96         1           Phenol         9.6         UG/L         U         U         0.96         1           Pyrene         0.96         UG/L         U         U         0.96         1           Volatile Organic         General Engineering Laboratory         J         J         20         1           Volatile Organics         General Engineering Laboratory         Statory         1		Nitrobonzono	0.90	UGIL				0.90	1	
Prenaithrene         9.6         UG/L         U         U         9.0         1           Phenol         9.6         UG/L         U         U         9.6         1           Pyrene         0.96         UG/L         U         U         9.6         1           General Engineering Laboratory Gase         General Engineering Laboratory         J         J         20         1           Volatile Organics         General Engineering Laboratory         U         U         1         1           SW846 8260B         1,1.1-Trichloroethane         1         UG/L         U         U         1         1           1,1.2.2-Tietrachloroethane         1         UG/L         U         U         1         1           1,1.2.2-Tietrachloroethane         1         UG/L         U         U         1         1           1,1.2-Dichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethane         1         UG/L         U         U         1         1           2-Hexanone         5         UG/L <t< td=""><td></td><td>Restachlerenhenel</td><td>9.0</td><td></td><td></td><td></td><td></td><td>9.0</td><td>1</td><td></td></t<>		Restachlerenhenel	9.0					9.0	1	
Prierialinitrine         0.96         0.97         0         0         0.96         1           Phenol         9.6         UG/L         U         U         0.96         1           Qases         General Engineering Laboratory Gases         General Engineering Laboratory         J         20         1           Volatile Organics         General Engineering Laboratory         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           1,1.2.2-Trichloroethane         1         UG/L         U         U         1         1           1,1.2.2-Trichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethane         1         UG/L         U         U         1         1		Pentachiorophenoi	9.0	UG/L				9.6	1	
Prinetion         9.0         UG/L         U         U         0.96         1           Volatile Organic Gases         General Engineering Laboratory         U         U         0.96         U/G/L         J         J         20         1           Volatile Organics         General Engineering Laboratory         U/G/L         J         J         20         1           Volatile Organics         General Engineering Laboratory         U/G/L         U         U         1         1           SW846 8260B         1,1,1-Trichloroethane         1         U/G/L         U         U         1         1           1,1,2-Trichloroethane         1         U/G/L         U         U         1         1           1,1,2-Trichloroethane         1         U/G/L         U         U         1         1           1,2-Dichloropthane         1         U/G/L         U         U         1         1           1,2-Dichloroptoropane         1         U/G/L         U         U         1         1           2-Dichloropropropane         5         U/G/L         U         U         5         1           2-Hexanone         5         U/G/L         U         U		Phenanthrene	0.96	UG/L	0	0		0.96	1	
Volatile Organic Gases         General Engineering Laboratory           SW846 3810         Methane         18.3 UG/L         J         J         20         1           Volatile Organics         General Engineering Laboratory           1         1           SW846 3810         Methane         1 UG/L         U         U         1         1           Volatile Organics         General Engineering Laboratory         U         U         1         1           SW846 8260B         1,1.1-Trichloroethane         1 UG/L         U         U         1         1           1,1.2-Trichloroethane         1 UG/L         U         U         1         1         1           1,2-Dichloroethane         1 UG/L         U         U         1         1         1           1,2-Dichloroethane         1 UG/L         U         U         1         1         1           2-Dichloroethane         1 UG/L         U         U         1         1         1           1,2-Dichloroethane         5 UG/L         U         U         5         1           2-Hexanone         5 UG/L         U         U         5         1           Acetone         5 U		Phenol	9.0	UG/L	0	0		9.6	1	
Volatile Organic Gases         General Engineering Laboratory           SW846 3810         Methane         18.3 UG/L         J         J         20         1           Volatile Organics         General Engineering Laboratory           1         1           SW846 8260B         1,11-Trichloroethane         1 UG/L         U         U         1         1           1,12-Trichloroethane         1 UG/L         U         U         1         1           1,12-Trichloroethane         1 UG/L         U         U         1         1           1,1-Dichloroethane         1 UG/L         U         U         1         1           1,1-Dichloroethane         1 UG/L         U         U         1         1           1,2-Dichloroethane         1 UG/L         U         U         1         1           1,2-Dichloroptopane         1 UG/L         U         U         1         1           2-Hexanone         5 UG/L         U         U         5         1           2-Hexanone         5 UG/L         U         U         1         1           Bromodichloromethane         1 UG/L         U         U         1         1	V-1-0	Pyrene	0.96	UG/L	0	U		0.96	1	
SW846 3310         Methane         18.3         UG/L         J         J         20         1           Volatile Organics         General Engineering Laboratory         U         1         1           1,1,2.Trichloroethane         1         UG/L         U         U         1         1           1,1,2.Trichloroethane         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           1,2.Dichloroethane         1         UG/L         U         U         1         1           1,2.Dichloroethene         1         UG/L         U         U         1         1           2.Dichloroethene         1         UG/L         U         U         1         1           2.Dichloroethene         5         UG/L         U         U         5         1           4.Methyl-2-pentanone         5         UG/L         U         U         1         1           Acetone         5         UG/L         U         U         1	Gases	General Engineering Laboratory								1
Volatile Organics         General Engineering Laboratory           SW846 8260B         1,1,1-Trichloroethane         1 UG/L         U         1         1           1,1,2,2-Tetrachloroethane         1 UG/L         U         U         1         1           1,1,2,2-Tetrachloroethane         1 UG/L         U         U         1         1           1,1-Dichloroethane         1 UG/L         U         U         1         1           1,1-Dichloroethane         1 UG/L         U         U         1         1           1,2-Dichloroethane         1 UG/L         U         U         1         1           1,2-Dichloroethane         1 UG/L         U         U         1         1           1,2-Dichloroptopane         1 UG/L         U         U         1         1           2-Butanone         5 UG/L         U         U         5         1           2-Hexanone         5 UG/L         U         U         1         1           Acetone         5 UG/L         U         U         1         1           Bromodichloromethane         1 UG/L         U         U         1         1           Bromodichloromethane         1 UG/L	SW846 3810	Methane	18.3	UG/L	J	J		20	1	
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-Dichloroethane       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         2-Hexanone       5       UG/L       U       U       5       1         2-Hexanone       5       UG/L       U       U       5       1         Acetone       5       UG/L       U       U       1       1         Bromodichloromethane       1       UG/L       U       U       1       1         Bromodichloromethane       1       UG/L       U       U       1       1         Bromodichloromethane       1       UG/L       U       U	Volatile Organics	General Engineering Laboratory	_							_
1,1,2-2-Tetrachloroethane       1       UG/L       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-Dichloroethane       1       UG/L       U       U       1       1         1,2-Dichloroethane       1       UG/L       U       U       1       1         1,2-Dichloroethane       1       UG/L       U       U       1       1         2-Dichloroethane       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       1       1         Benzene       1       UG/L       U       U       1       1         Bromodichloromethane       1       UG/L       U       U       1       1         Carbon tetrachloride       1       UG/L       U       U       1       1	SW846 8260B	1,1,1-Trichloroethane	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-Dichloroethane       1       UG/L       U       U       1       1         1,2-Dichloroethane       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         Acetone       5       UG/L       U       U       1       1         Benzene       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon disulfde       5       UG/L       U       U       1       1         Chloroen		1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1	
1,1-Dichloroethane       1       UG/L       U       U       1       1         1,1-Dichloroethane       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-Dichloroethene       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       1       1         Bromodichloromethane       1       UG/L       U       U       1       1         Bromomethane       1       UG/L       U       U       1       1       1         Carbon disulfide       5       UG/L       U       U       1       1       1         Chloroethane       1       UG/L       U       U       1		1,1,2-Trichloroethane	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-Dichloroethane       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       1       1         Acetone       5       UG/L       U       U       1       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         Carbon disulfide       5       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chlorobenz		1,1-Dichloroethane	1	UG/L	U	υ		1	1	
1,2-Dichloroethane       1       UG/L       U       1       1         1,2-Dichloroethene       1       UG/L       U       U       1       1         1,2-Dichloroethene       1       UG/L       U       U       1       1         2-Butanone       5       UG/L       U       U       5       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         Benzene       1       UG/L       U       U       1       1       1         Bromodichloromethane       1       UG/L       U       U       1       1       1         Bromodorm       1       UG/L       U       U       1       1       1       1         Carbon disulfide       5       UG/L       U       U       1       1       1       1         Chloroethane       1       UG/L       U       U       1       1       1       1         Chlorobenzene       1       UG		1,1-Dichloroethene	1	UG/L	U	U		1	1	
1,2-Dichloroptpane       1       UG/L       U       U       1       1         1,2-Dichloroptpane       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         Bromodichloromethane       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chlorobefane		1,2-Dichloroethane	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         Bromodichloromethane       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1 </td <td></td> <td>1,2-Dichloroethene</td> <td>1</td> <td>UG/L</td> <td>U</td> <td>U</td> <td></td> <td>1</td> <td>1</td> <td></td>		1,2-Dichloroethene	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         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       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1         Chloropethane       1       UG/L       U       U       1       1         Chloropethane       1       UG/L       U       U       1       1         Dibromochloromethane <td< td=""><td></td><td>1,2-Dichloropropane</td><td>1</td><td>UG/L</td><td>U</td><td>U</td><td></td><td>1</td><td>1</td><td></td></td<>		1,2-Dichloropropane	1	UG/L	U	U		1	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       J       U       F04,F06       5       1         Benzene       1       UG/L       U       U       1       1       1         Bromodichloromethane       1       UG/L       U       U       1       1       1         Bromoform       1       UG/L       U       U       1       1       1       1         Bromoform       1       UG/L       U       U       1       <		2-Butanone	5	UG/L	U	U		5	1	
4-Methyl-2-pentanone       5       UG/L       U       V       5       1         Acetone       5       UG/L       J       U       F04,F06       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         Bromoform       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1         Dibromochloromethane </td <td></td> <td>2-Hexanone</td> <td>5</td> <td>UG/L</td> <td>U</td> <td>U</td> <td></td> <td>5</td> <td>1</td> <td></td>		2-Hexanone	5	UG/L	U	U		5	1	
Acetone       5       UG/L       J       U       F04,F06       5       1         Benzene       1       UG/L       U       U       1       1         Bromodichloromethane       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       1       1         Carbon tetrachloride       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1         Chloromethane       1       UG/L       U       U       1       1         Dibromochloromethane       1       UG/L       U       U       1       1		4-Methyl-2-pentanone	5	UG/L	U	U		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         Bromoform       1       UG/L       U       U       1       1         Bromomethane       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Carbon tetrachloride       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1         Chloromethane       1       UG/L       U       U       1       1         Dibromochloromethane       1       UG/L       U       U       1       1         Ethylbenzene       1       UG/L       U       U       1       1         Styrene       1		Acetone	5	UG/L	J	U	F04,F06	5	1	
Bromodichloromethane1UG/LUU11Bromoform1UG/LUU11Bromomethane1UG/LUU11Carbon disulfide5UG/LUU51Carbon tetrachloride1UG/LUU11Chlorobenzene1UG/LUU11Chloroethane1UG/LUU11Chloroform1UG/LUU11Chloromethane1UG/LUU11Chloromethane1UG/LUU11Dibromochloromethane1UG/LUU11Ethylbenzene1UG/LUU11Methylene chloride5UG/LUU11Tetrachloroethene1UG/LUU11		Benzene	1	UG/L	U	U		1	1	
Bromoform       1 UG/L       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         Chloropthane       1 UG/L       U       U       1       1         Dibromochloromethane       1 UG/L       U       U       1       1         Ethylbenzene       1 UG/L       U       U       5       1         Methylene chloride       5 UG/L       U       U       1 </td <td></td> <td>Bromodichloromethane</td> <td>1</td> <td>UG/L</td> <td>U</td> <td>U</td> <td></td> <td>1</td> <td>1</td> <td></td>		Bromodichloromethane	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           Chlorobenzene         1         UG/L         U         U         1         1           Chlorobenzene         1         UG/L         U         U         1         1           Chlorobethane         1         UG/L         U         U         1         1           Chloroform         1         UG/L         U         U         1         1           Chloropropene         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         1         1           Te		Bromoform	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         Chlorobthane       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1         Chloropthane       1       UG/L       U       U       1       1         Dibromochloromethane       1       UG/L       U       U       1       1         Methylene chloride       5       UG/L       U       U       1       1         Styrene		Bromomethane	1	UG/L	U	U		1	1	
Carbon tetrachloride       1       UG/L       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1         Chloropropene       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       1       1         Styrene       1       UG/L       U       U       1       1		Carbon disulfide	5	UG/L	U	U		5	1	
Chlorobenzene       1       UG/L       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chlorobethane       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1         Chloromethane       1       UG/L       U       U       1       1         Chloromethane       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       1       1         Styrene       1       UG/L       U       U       1       1		Carbon tetrachloride	1	UG/L	U	Ū.		1	1	
Chloroethane       1       U       U       1       1         Chloroethane       1       UG/L       U       U       1       1         Chloroethane       1       UG/L       U       U       1       1         Chloroethane       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		Chlorobenzene	1	UG/I	ũ	Ū.		1	1	
Chloroform       1 UG/L       U       1       1         Chloroform       1 UG/L       U       U       1       1         Chloroform       1 UG/L       U       U       1       1         Chloroform       1 UG/L       U       U       1       1         Chloroformethane       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		Chloroethane	1	UG/L	ŭ	ŭ			i	
Chloromethane       1       U       0       1       1         Chloromethane       1       UG/L       U       1       1         cis-1,3-Dichloropropene       1       UG/L       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		Chloroform		UG/L	ŭ	ŭ			1	
cis-1,3-Dichloropropene1UG/LUU11Dibromochloromethane1UG/LUU11Ethylbenzene1UG/LUU11Methylene chloride5UG/LUU51Styrene1UG/LUU11Tetrachloropethene1UG/LUU11		Chloromethane	4	UG/L				4		
Dibromochloromethane1UG/LUU11Ethylbenzene1UG/LUU11Methylene chloride5UG/LUU51Styrene1UG/LUU11Tetrachloromethane1U/LUU11		cis-1 3-Dichloropropene	1	UG/L				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		Dibromochloromethane	1	UG/L				1	4	
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		Ethylbenzene	4	UG/L	0			-		
Styrene   1 UG/L   U   0   5   1     Tetrachloroethene   1 UG/L   U   U   1   1		Methylene chloride		UG/L				5		
Tetrachloroethene 1 LIC/L LI LI 1 1		Styrene	0	UG/L				0	1	
		Tetrachloroethene	1	UG/L				1	4	

SW846 8260B	Toluene	0.64	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	1	UG/L	U	U	1	1	

Station: 7J-MW-03			Cod	Northing: ord System:	68439 GA838	2.9915 East	Easting: 82 Method:	1630.442
Station: 7J-M Sample ID: 7J43	W-03 74 Media:	Groundy	vater					
Date Collected: 08/19	Field Sample Type:	Grab		Lab	Data	Validatio	n Detection	
Analysis	Chemical	Result	Units	Qua	I Qual	Code	Limit	Dilution
Common Anions	General Engineering Laboratory							
EPA 300.0	Nitrate	0.0341	MG/L	l	J U		0.0341	1
	Nitrite	0.0542	MG/L	ı	JU		0.0542	1
	Sulfate	0.634	MG/L		=		0.193	1
General Chemistry	General Engineering Laboratory							
SM4500-CO2	Carbon Dioxide	52.7	MG/L		=		1	1
EPA 376 2	Sulfide	0.0248	MG/L	1	ı u		0.0248	1
norganics	General Engineering Laboratory							
SW846 6010	Iron	632	UG/I		=		4 37	1
Semi-Volatile Organics	General Engineering Laboratory	002	JUIL				4.07	
SW846 8270C	1,2,4-Trichlorobenzene	10.8	UG/L	1	JU		10.8	1
ALTER STREET, S	1,2-Dichlorobenzene	10.8	UG/L		JU		10.8	1
	1,3-Dichlorobenzene	10.8	UG/L	1	JU		10.8	1
	1,4-Dichlorobenzene	10.8	UG/L		JU		10.8	1
	2,4,5-Trichlorophenol	10.8	UG/L		JU		10.8	1
	2,4,6-Trichlorophenol	10.8	UG/L	1	υU		10.8	1
	2,4-Dichlorophenol	10.8	UG/L	1	JU		10.8	1
	2,4-Dimethylphenol	10.8	UG/L		Jυ		10.8	1
	2,4-Dinitrophenol	21.5	UG/L		JU		21.5	1
	2.4-Dinitrotoluene	10.8	UG/L		υU		10.8	1
	2.6-Dinitrotoluene	10.8	UG/L		υU		10.8	1
	2-Chloronaphthalene	1.1	UG/L	1	υU		1.1	1
	2-Chlorophenol	10.8	UG/L		υU		10.8	1
	2-Methyl-4,6-dinitrophenol	10.8	UG/L	1	υυ		10.8	1
	2-Methylnaphthalene	1.1	UG/L		υU		1.1	1
	2-Methylphenol	10.8	UG/L	3	υυ		10.8	1
	2-Nitroaniline	10.8	UG/L	3	υU		10.8	1
	2-Nitrophenol	10.8	UG/L	ä	υU		10.8	1
	3,3'-Dichlorobenzidine	10.8	UG/L		υU		10.8	1
	3-Nitroaniline	10.8	UG/L	0	υU		10.8	1
	4-Bromophenyl phenyl ether	10.8	UG/L	1	U U		10.8	1
	4-Chloro-3-methylphenol	10.8	UG/L		υU		10.8	1
	4-Chloroaniline	10.8	UG/L	1	U U		10.8	1
	4-Chlorophenyl phenyl ether	10.8	UG/L		U U		10.8	1
	4-Methylphenol	10.8	UG/L	1	υU		10.8	1
	4-Nitroaniline	10.8	UG/L	3	υU	k.	10.8	1
	4-Nitrophenol	10.8	UG/L	1	υu	f	10.8	1
	Acenaphthene	1.1	UG/L		υŪ	1	1.1	1
	Acenaphthylene	1.1	UG/L		υŪ	ē.	1.1	1
	Anthracene	1.1	UG/L	7	UU	8	1.1	1
	Benz(a)anthracene	1.1	UG/L		υŪ	E.	1.1	1
	Benzenemethanol	10.8	UG/L	8	υu	L.	10.8	1
	Benzo(a)pyrene	1.1	UG/L		υŭ	Ŭ.	1.1	1
	Benzo(b)fluoranthene	1.1	UG/L		υu	i	1.1	1
	Benzo(ghi)perylene	1.1	UG/L		υu	1	1.1	1

Station: 7J-MW-03 Sample ID: 7J4374 Date Collected: 08/19/2004

Media: Groundwater Field Sample Type: Grab

Semi-Volutile Organica SW646 8270C         Benzoic income the second	Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution	
SW846 8270C         Benzok/ihucranthene         1.1         UGL         U         U         CQLC05         1.1         1           Benzok/ihucranthene         10.8         UGL         U         U         10.8         1           Bis/2-chloreshroxy/methane         10.8         UGL         U         U         10.8         1           Bis/2-chloreshroxy/methane         10.8         UGL         U         U         10.8         1           Bis/2-chloreshroxy/pithalate         10.8         UGL         U         U         10.8         1           Chrysene         1.1         UGL         U         U         10.8         1           Din-budy/pithalate         10.8         UGL         U         U         10.8         1           Dihenzo(hanthracene         1.1         UGL         U         U         10.8         1           Dihenzo(hanthracene         10.8         UGL         U         U         10.8         1           Dihenzo(hanthracene         10.8         UGL         U         U         10.8         1           Dihenzo(hanthracene         10.8         UGL         U         U         1.8         1           Dihenz	Semi-Volatile Organics	General Engineering Laboratory								
Benzolc acid         21.5         UGL         U         U         21.5         1           Bis(2-chloresthy)) ether         10.8         UGL         U         10.8         1           Bis(2-chloresthy)) ether         10.8         UGL         U         10.8         1           Bis(2-chloresthy) thatalte         10.8         UGL         U         10.8         1           Bis(2-chloresthy) phthatalte         10.8         UGL         U         10.8         1           Carbazole         10.8         UGL         U         1.1         1           Dih-outyl phthatalte         10.8         UGL         U         10.8         1           Dihor.outyl phthatalte         10.8         UGL         U         10.8         1           Dibenz(a,h)anthracene         1.1         UGL         U         10.8         1           Dibenz(a,h)anthracene         1.1         UGL         U         10.8         1           Dibenz(a,h)anthracene         1.0         UGL         U         10.8         1           Dibenz(a,h)anthracene         10.8         UGL         U         10.8         1           Playersene         1.0         UGL         U	SW846 8270C	Benzo(k)fluoranthene	1.1	UG/L	U	R	C04,C05	1.1	1	· · · · · · · · · · · · · · · · · · ·
Bis(2-chloreshy)@ther         10.8         UGL         U         U         10.8         1           Bis(2-Chloresby)@ther         10.8         UGL         U         U         10.8         1           Bis(2-Chloresby)@ther         10.8         UGL         U         U         10.8         1           Bis(2-chloresby)@ther         10.8         UGL         U         U         10.8         1           Chrysene         1.1         UGL         U         U         10.8         1           Dir-b-city@thhalate         10.8         UGL         U         U         10.8         1           Diber.oc/shpthalate         10.8         UGL         U         U         10.8         1           Dipheny@synthen         10.8         UGL		Benzoic acid	21.5	UG/L	U	U		21.5	1	
Bis(2-chioreshry)Pitter         10.8         UG/L         U         10.8         1           Bis(2-chioreshry)Pitter         10.8         UG/L         U         10.8         1           Bis(2-chioreshry)Pittalate         10.8         UG/L         U         10.8         1           Bis(2-chioreshry)Pittalate         10.8         UG/L         U         10.8         1           Carbazole         10.8         UG/L         U         10.8         1           Chrysene         1.1         UG/L         U         10.8         1           Dimocry(phthalate         10.8         UG/L         U         10.8         1           Dimocry(phthalate         10.8         UG/L         U         10.8         1           Dienz(s,h)antracene         11.8         UG/L         U         10.8         1           Dienz(shr)(phthalate         10.8         UG/L         U         10.		Bis(2-chloroethoxy)methane	10.8	UG/L	U	U		10.8	1	
Bis(2-Chloroisopropy)Elter         10.8         UGL         U         10.8         1           Bis(2-Chloroisopropy)Elter         10.8         UGL         U         10.8         1           Bis(2-Chloroisopropy)Elter         10.8         UGL         U         10.8         1           Carbazole         10.8         UGL         U         10.8         1           Carbazole         10.8         UGL         U         10.8         1           Di-noctylphthalate         10.8         UGL         U         10.8         1           Diberzoluran         10.8         UGL         U         10.8         1           Diberzoluran         10.8         UGL         U         10.8         1           Diphtenylamine         10.8         UGL         U         10.8         1           Ploorene         11         UGL         U         10.8         1           Hexachicrobenzane         10.8         UGL         U         10.8         1           Hexachicrobenzane         10.8         UGL         U         10.8         1           Hexachicrobenzane         10.8         UGL         U         10.8         1		Bis(2-chloroethyl) ether	10.8	UG/L	U	U		10.8	1	
Bil(2-ethylhex/lphthalate         10.8         UG/L         U         10.8         1           Buly bezzyl phthalate         10.8         UG/L         U         10.8         1           Carbazole         10.8         UG/L         U         10.8         1           Chrysene         1.1         UG/L         U         10.8         1           Dim-outyl phthalate         10.8         UG/L         U         10.8         1           Dimetryl phthalate         10.8         UG/L         U         10.8         1           Dibetryl phthalate         10.8         UG/L         U         10.8         1           Dimetryl phthalate         10.8         UG/L         U         10.8         1           Diphenyl phthalate         10.8         UG/L         U         10.8         1           Diphenyl phthalate         10.8         UG/L         U         10.8         1           Porteorine         1.1         UG/L         U         10.8         1           Horachiorobaceme         1.8         UG/L         U         10.8         1           Horachiorobaceme         1.8         UG/L         U         10.8         1		Bis(2-Chloroisopropyl)Ether	10.8	UG/L	U	U		10.8	1	
Butyl benzyl phthalate         10.8         UG/L         U         10.8         1           Carbazole         10.8         UG/L         U         10.8         1           Carbazole         10.8         UG/L         U         10.8         1           Din-octylphthalate         10.8         UG/L         U         10.8         1           Dienez/phthalate         10.8         UG/L         U         10.8         1		Bis(2-ethylhexyl)phthalate	10.8	UG/L	U	U		10.8	1	
Carbazole         10.8         UGAL         U         U         1.1         UGAL         U         U         1.1         1           Din-robuly Iphthalate         10.8         UGAL         U         U         10.8         1           Din-robuly Iphthalate         10.8         UGAL         U         U         10.8         1           Dibenz(a) janthracene         1.1         UGAL         U         U         10.8         1           Dibenz(a) janthracene         1.8         UGAL         U         U         10.8         1           Dimethy phthalate         10.8         UGAL         U         U         10.8         1           Diphenylamine         10.8         UGAL         U         U         10.8         1           Fluoranthene         1.1         UGAL         U         U         10.8         1           Hexachlorobrutatione         10.8         UGAL         U         U         10.8         1           Hexachlorobrutatione         10.8         UGAL         U         U         10.8         1           Hexachlorobrutatione         10.8         UGAL         U         U         10.8         1		Butyl benzyl phthalate	10.8	UG/L	U	U		10.8	1	
Chrysene         1.1         UGAL         U         U         1.1         1           Din-actylphthalate         10.8         UGAL         U         U         10.8         1           Dibenzofuran         10.8         UGAL         U         U         10.8         1           Dibenzofuran         10.8         UGAL         U         U         10.8         1           Dibenzofuran         10.8         UGAL         U         U         10.8         1           Dimethyl phthalate         10.8         UGAL         U         U         10.8         1           Diphenylamine         10.8         UGAL         U         U         10.8         1           Fluoranthene         1.1         UGAL         U         U         10.8         1           Hexachlorobtanzene         10.8         UGAL         U         U         10.8         1           Hexachlorocydopenetaleine         10.8         UGAL         U         U         10.8         1           Hexachlorocydopenetaleine         10.8         UGAL         U         U         10.8         1           Hexachlorocydopenetaleine         10.8         UGAL         U		Carbazole	10.8	UG/L	U	U		10.8	1	
Din-buly (phthalate         10.8         UGAL         U         U         10.8         1           Dih-nzg(h)anthracene         1.1         UGAL         U         U         1.1         1           Dibenz(a) janthracene         1.1         UGAL         U         U         10.8         1           Dibenz(a) janthracene         1.0         UGAL         U         U         10.8         1           Dimethy phthalate         10.8         UGAL         U         U         10.8         1           Dimethy phthalate         10.8         UGAL         U         U         10.8         1           Diphenylamine         10.8         UGAL         U         U         1.1         1           Houranthene         1.1         UGAL         U         U         1.0.8         1           Hexachlorobutadiene         10.8         UGAL         U         U         1.0.8         1           Hexachlorobutadiene         10.8         UGAL         U         U         1.0.8         1           Hexachlorobutadiene         10.8         UGAL         U         U         1.0.8         1           Nethorone         10.8         UGAL <t< td=""><td></td><td>Chrysene</td><td>1.1</td><td>UG/L</td><td>U</td><td>U</td><td></td><td>1.1</td><td>1</td><td></td></t<>		Chrysene	1.1	UG/L	U	U		1.1	1	
Din-actylphthalate         10.8         UGAL         U         U         1.1         UGAL         U         U         1.1         1           Dibenzofuran         10.8         UGAL         U         U         10.8         1           Dibentyl phthalate         10.8         UGAL         U         U         10.8         1           Dimethyl phthalate         10.8         UGAL         U         U         10.8         1           Diphenylamine         10.8         UGAL         U         U         1.1         1           Fluoranthene         1.1         UGAL         U         U         1.1         1           Hexachlorobtarene         10.8         UGAL         U         U         10.8         1           Hexachlorobtane         10.8         UGAL         U         U         10.8         1           Hexachlorocychane         10.8         UGAL         U         U         10.8         1           Neitobenzene         10.8         UGAL         U         U         10.8         1           Neitobenzene         10.8         UGAL         U         U         10.8         1           Neitobenzene		Di-n-butyl phthalate	10.8	UG/L	U	U		10.8	1	
Dibenz(a,h)anthracene         1.1         UC/L         U         1.1         1           Diberzolran         108         UGL         U         10.8         1           Dibertyl phthalate         10.8         UGL         U         10.8         1           Dipherhyl phthalate         10.8         UGL         U         10.8         1           Dipherhyl phthalate         10.8         UGL         U         10.8         1           Fluoranthere         1.1         UGL         U         1.1         1           Fluoranthere         1.1         UGL         U         10.8         1           Hexachlorochazene         10.8         UGL         U         10.8         1           Hexachlorochazene         10.8         UGL         U         10.8         1           Hexachlorochazene         1.8         UGL         U         10.8         1           Hexachlorochazene         1.8         UGL         U         10.8         1           Indenc(1.2,3-cd)pyrene         1.1         UGL         U         1.1         1           Nitroberzene         0.8         UGL         U         U         1.8         1		Di-n-octylphthalate	10.8	UG/L	U	U		10.8	1	
Dibenzofuran         10.8         UG/L         U         10.8         1           Diethyl phthalate         10.8         UG/L         U         U         10.8         1           Dipternylamine         10.8         UG/L         U         U         10.8         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Hexachlorobutadiene         10.8         UG/L         U         U         10.8         1           Hexachlorobutadiene         10.8         UG/L         U         U         10.8         1           Hexachlorobutadiene         10.8         UG/L         U         U         10.8         1           Hexachlorobenane         10.8         UG/L         U         U         10.8         1           Indencit, 2.3-cd/pyrene         1.1         UG/L         U         U         1.8         1           Nehthablene         0.4         UG/L         U         U         1.8         1           Prenachlorophenol         10.8         UG/L         U         U <td< td=""><td></td><td>Dibenz(a,h)anthracene</td><td>1.1</td><td>UG/L</td><td>U</td><td>U</td><td></td><td>1.1</td><td>1</td><td></td></td<>		Dibenz(a,h)anthracene	1.1	UG/L	U	U		1.1	1	
Diethyl phthalate         10.8         UG/L         U         10.8         1           Dimethyl phthalate         10.8         UG/L         U         U         10.8         1           Diphenylamine         10.8         UG/L         U         U         10.8         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Hexachloroburdaleine         10.8         UG/L         U         U         10.8         1           Hexachlorocydopentadiene         10.8         UG/L         U         U         1.8         1           Indeno(1,2,3-cd)pyrene         1.8         UG/L         U         U         1.8         1           Nitroberzene         0.8         UG/L         U         U         1.1         1           Prenalhrene         1.1         UG/L         U		Dibenzofuran	10.8	UG/L	U	U		10.8	1	
Dimensity phthalate         10.8         UGL         U         10.8         1           Diphenylamine         10.8         UGL         U         10.8         1           Fluoranthene         1.1         UGL         U         1.1         1           Fluorene         1.1         UGL         U         1.1         1           Hexachlorobutadiene         10.8         UGL         U         10.8         1           Hexachlorophenate         10.8         UGL         U         10.8         1           Naphthalene         0.4         UGL         U         10.8         1           Norobenoi         10.8         UGL         U         10.8         1           Prenenthorophenoi         10.8         UGL         U         1.1         1           Volatile Organic         General Engineering Laboratory         20         1         1           SW846 82		Diethyl phthalate	10.8	UG/L	U	U		10.8	1	
Diphemylamine         10.8         UG/L         U         10.8         1           Fluoranthene         1.1         UG/L         U         1.1         1           Fluoranthene         1.1         UG/L         U         1.1         1           Hexachlorobutadiene         10.8         UG/L         U         10.8         1           Hexachlorobutadiene         10.8         UG/L         U         10.8         1           Hexachlorocydlopentadiene         10.8         UG/L         U         10.8         1           Hexachlorocydlopentadiene         10.8         UG/L         U         10.8         1           Hexachlorocydlopentadiene         10.8         UG/L         U         10.8         1           Horone         10.8         UG/L         U         U         10.8         1           Norbinzondie         10.8         UG/L         U         U         10.8         1           Pentachlorophenol         10.8         UG/L         U         U         1.1         1           Volatile Organic         General Engineering Laboratory         U         1         1         1           SW846 82608         11,1.2.7 trichloroethane		Dimethyl phthalate	10.8	UG/L	U	U		10.8	1	
Fluoranthene         1.1         UG/L         U         U         1.1         1           Fluorene         1.1         UG/L         U         U         1.1         1           Hexachlorobutadiene         10.8         UG/L         U         10.8         1           Naphthalene         0.4         UG/L         U         10.8         1           Naphthalene         0.4         UG/L         U         10.8         1           Prenene         1.1         UG/L         U         1.1         1           Volatile Organics         General Engineering Laboratory         U         1.1         1           SW846 3210         Methane         28.6         UG/L         U         1<		Diphenylamine	10.8	UG/L	U	U		10.8	1	
Fluorene         1.1         UG/L         U         1.1         1           Hexachlorobenzene         10.8         UG/L         U         U         10.8         1           Hexachlorocyclopentadiene         10.8         UG/L         U         U         10.8         1           Indeno(1.2.3-cd)pyrene         1.1         UG/L         U         U         10.8         1           Naphthalene         0.4         UG/L         J         J         1.1         1           Naphthalene         0.4         UG/L         U         U         10.8         1           Prenanthrene         1.1         UG/L         U         U         1.1         1           Pyrene         1.1         UG/L         U         U         1.1         1           Volatile Organics         General Engineering Laboratory         S         1 </td <td></td> <td>Fluoranthene</td> <td>1.1</td> <td>UG/L</td> <td>U</td> <td>U</td> <td></td> <td>1.1</td> <td>1</td> <td></td>		Fluoranthene	1.1	UG/L	U	U		1.1	1	
Hexachlorobenzene         10.8         UGL         U         10.8         1           Hexachlorocyclopentadiene         10.8         UGL         U         10.8         1           Hexachlorocyclopentadiene         10.8         UGL         U         10.8         1           Hexachlorocyclopentadiene         10.8         UGL         U         10.8         1           Indeno(1,2,3-od)pyrene         11.8         UGL         U         10.8         1           Naphthalene         0.4         UGL         U         10.8         1           Naphthalene         0.4         UGL         U         10.8         1           Prentachlorophenol         10.8         UGL         U         10.8         1           Prentachlorophenol         10.8         UGL         U         10.8         1           Pyrene         1.1         UGL         U         U         1.1         1           Volatile Organic         General Engineering Laboratory         #         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1		Fluorene	1.1	UG/L	Ű	U		1.1	1	
Hexachlorobutadiene         10.8         UG/L         U         U         10.8         1           Hexachlorocyclopentadiene         10.8         UG/L         U         U         10.8         1           Hexachlorocyclopentadiene         10.8         UG/L         U         U         10.8         1           Hexachlorocyclopentadiene         10.8         UG/L         U         U         10.8         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         10.8         1           N-Nitroso-din-propylamine         10.8         UG/L         U         U         10.8         1           Naphthalene         0.4         UG/L         U         U         10.8         1           Pentachlorophenol         10.8         UG/L         U         U         10.8         1           Phenol         10.8         UG/L         U         U         1.1         1           Volatile Organic         General Engineering Laboratory         U         1         1         1         1           1,12.2.7 Tetrachloroethane         1         UG/L         U         U         1         1           1,12.2.7 Tetrachlororethane		Hexachlorobenzene	10.8	UG/L	ū	ŭ		10.8	1	
Hexachlorocyclopentadiene         10.8         UG/L         U         U         10.8         1           Hexachlorocyclopentadiene         10.8         UG/L         U         U         10.8         1           Indenc(1,2,3-cd)pyrate         1.1         UG/L         U         U         10.8         1           Nentroso-din-propylamine         10.8         UG/L         U         U         10.8         1           Nentroso-din-propylamine         10.8         UG/L         U         U         10.8         1           Nentroso-din-propylamine         10.8         UG/L         U         U         10.8         1           Nethono         10.8         UG/L         U         U         10.8         1           Prentachtorophenol         10.8         UG/L         U         U         1.1         1           Pyrene         1.1         UG/L         U         U         1.1         1           Volatile Organic         General Engineering Laboratory         Eases         20         1         1           SW846 8260B         1,1,1-Trichloroethane         1         UG/L         U         1         1           1,1,2-Trichloroethane         1		Hexachlorobutadiene	10.8	UG/I	ŭ	ŭ		10.8	1	
Hexachioroethane         10.8         UGL         U         U         10.8         1           Indero(1,2,3-cd)pyrene         1.1         UGL         U         U         1.1         1           Isophorone         10.8         UGL         U         U         1.1         1           Nehthere         0.4         UGL         U         U         10.8         1           Netobenzene         10.8         UGL         U         U         10.8         1           Nitrobenzene         10.8         UGL         U         U         10.8         1           Pentachtorophenol         10.8         UGL         U         U         1.1         1           Phenol         1.0         UGL         U         U         1.1         1           Volatile Organic         General Engineering Laboratory         28.6         UGL         =         20         1           Volatile Organics         General Engineering Laboratory         U         1         1         1           SW846 82608         1,1,1-Trichloroethane         1         UGL         U         1         1           1,1,2.2-Tertachioroethane         1         UGL         U		Hexachlorocyclopentadiene	10.8	UG/L	ŭ	ŭ		10.8	1	
Indeno(1,2,3-cd)pyrene         1.1         1.4         1.1         1.1           Isophorone         10.8         UG/L         U         U         10.8         1           N-Nitroso-din-propylamine         10.8         UG/L         J         J         1.1         1           N-Nitroso-din-propylamine         10.8         UG/L         J         J         1.1         1           Naphthalene         0.4         UG/L         J         J         1.1         1           Naphthalene         0.4         UG/L         U         U         10.8         1           Pertachlorophenol         10.8         UG/L         U         U         10.8         1           Pyrene         1.1         UG/L         U         U         1.1         1           Volatile Organics         General Engineering Laboratory         Sw846 8260B         1,1,1-Trichloroethane         1         UG/L         U         1         1           1,2-Z:Tetrachloroethane         1         UG/L         U         U         1         1           1,1-2-Dichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethane         1		Hexachloroethane	10.8	UG/L	ŭ	ŭ		10.8	i	
Incontrol         1.1         Out         0         0         1.1         1.1           Isophorone         10.8         UG/L         U         U         10.8         1           Naphthalene         0.4         UG/L         J         J         1.1         1           Naphthalene         0.4         UG/L         U         U         10.8         1           Nitrobenzene         10.8         UG/L         U         U         10.8         1           Pentachlorophenol         10.8         UG/L         U         U         1.1         1           Pentachlorophenol         10.8         UG/L         U         U         1.1         1           Phenol         10.8         UG/L         U         U         1.1         1           Volatile Organics         General Engineering Laboratory         SW846 8260B         1,1,1-Trichloroethane         1         UG/L         U         U         1         1           1,1,2-Zretrachloroethane         1         UG/L         U         U         1         1           1,1,2-Trichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethan		Indeno(1.2.3-cd)nyrene	1 1	UG/L	ŭ	ŭ		1 1	1	
Isophologie         10.5         0.5         0         0.5         1           Naphthalene         0.4         UG/L         J         J         1.1         1           Naphthalene         0.4         UG/L         J         J         1.1         1           Naphthalene         0.4         UG/L         U         U         10.8         1           Nitrobenzene         10.8         UG/L         U         U         10.8         1           Pentachiorophenol         10.8         UG/L         U         U         1.1         1           Phenol         10.8         UG/L         U         U         1.1         1           Volatile Organics         General Engineering Laboratory         Gases         20         1         1           SW846 8260B         1,1,1-Trichloroethane         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           1,2-Dichloroethane         1         UG/L         U         U         1 </td <td></td> <td>Isophorope</td> <td>10.8</td> <td>UG/L</td> <td>ŭ</td> <td>ŭ</td> <td></td> <td>10.8</td> <td></td> <td></td>		Isophorope	10.8	UG/L	ŭ	ŭ		10.8		
Name         No.5         O.5         O.5 <tho.5< t<="" td=""><td></td><td>N-Nitroso-di-n-propylamine</td><td>10.0</td><td>UG/L</td><td>ŭ</td><td>ŭ</td><td></td><td>10.0</td><td>1</td><td></td></tho.5<>		N-Nitroso-di-n-propylamine	10.0	UG/L	ŭ	ŭ		10.0	1	
Napriliabile         U.V.         U.V.         U.V.         1.1.1         1.1.1           Pentachlorophenol         10.8         UG/L         U         U         10.8         1           Phenathtrene         1.1         U/V.V.         U         10.8         1           Phenol         10.8         UG/L         U         U         10.8         1           Volatile Organic         General Engineering Laboratory         Gases         S         U         1.1         1           SW846 3810         Methane         28.6         UG/L         =         20         1           Volatile Organics         General Engineering Laboratory         E		Naphthalana	0.0	UGA	0	ĩ		1 1	1	
Nindbergene         10.5         0.5/L         0         10.5         1           Pentachlorophenol         10.8         UG/L         U         U         10.8         1           Phenanthrene         1.1         UG/L         U         U         1.1         1           Phenol         10.8         UG/L         U         U         10.8         1           Volatile Organic         General Engineering Laboratory         SW846 3810         Methane         28.6         UG/L         =         20         1           Volatile Organics         General Engineering Laboratory          1		Naprinalene	10.9					10.9	1	
Pentathorophenoin         10.6         0.6/L         0         10.3         1           Phenanthrene         1.1         UG/L         U         U         1.1         1           Phenol         10.8         UG/L         U         U         10.8         1           Volatile Organic Gases         General Engineering Laboratory         E         20         1         1           SW846 3810         Methane         28.6         UG/L         U         U         1         1           Volatile Organics         General Engineering Laboratory         S         S         S         S         U         U         1         1           Volatile Organics         General Engineering Laboratory         U         U         U         1         1           SW846 8260B         1,1,1-Tichloroethane         1         UG/L         U         U         1         1           1,1,2:2-Tetrachloroethane         1         UG/L         U         U         1         1           1,1:2-Dichloroethane         1         UG/L         U         U         1         1           2:2-Dichloroethane         1         UG/L         U <thu< th="">         1         1     &lt;</thu<>		Nitrobenzene	10.0	UG/L				10.8	1	
Prienal Interier         1.1         UG/L         U         U         1.1         1.1           Phenol         10.8         UG/L         U         U         1.1         1           Volatile Organic Gases         General Engineering Laboratory         General Engineering Laboratory         =         20         1           Volatile Organics         General Engineering Laboratory         =         20         1           SW846 8260B         1,1,1-Trichloroethane         1         UG/L         U         U         1         1           1,1,2-Trichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethane         1         UG/L         U         U         1         1           2-Dichloroethane         1         UG/L         U         U         1         1           2-Dichloropipane         1         UG/L		Pentachiorophenoi	10.0	UG/L				10.8	-	
Prenoi         10.6         0.7         0         0.8         1           Pyrene         1.1         UG/L         U         U         1.1         1           Volatile Organic Gases         General Engineering Laboratory         =         20         1           SW846 3810         Methane         28.6         UG/L         =         20         1           Volatile Organics         General Engineering Laboratory         =         20         1         1           SW846 8260B         1,1,1-Trichloroethane         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           1,2-Dichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethane         1         UG/L         U         U         1         1           2-Dichloroethane         5         UG/L         U         U         5         <		Phenanthrene	1.1	UG/L				1.1	1	
Pryme         I.I. UG/L         U         U         I.I.         II.I.         III.I.         IIII.I.         III.I.         IIII.I.		Phenol	10.8	UG/L	0			10.8	1	
Structure organics         General Engineering Laboratory           SW846 3810         Methane         28.6         UG/L         =         20         1           Volatile Organics         General Engineering Laboratory         SW846 8260B         1,1,1-Trichloroethane         1         UG/L         U         U         1         1           SW846 8260B         1,1,1-Trichloroethane         1         UG/L         U         U         1         1           1,1,2-Zricthoroethane         1         UG/L         U         U         1         1           1,1-Dichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethane         1         UG/L         U         U         1         1           2-Butanone         5         UG/L         U         U         5         1           4-Methyl-2-pentanone         5 <th< td=""><td>Volatile Organic</td><td>General Engineering Laboratory</td><td>1.1</td><td>UG/L</td><td>0</td><td>0</td><td></td><td>1.1</td><td>1</td><td></td></th<>	Volatile Organic	General Engineering Laboratory	1.1	UG/L	0	0		1.1	1	
SW846 3810         Methane         28.6         UG/L         =         20         1           Volatile Organics         General Engineering Laboratory         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           1,1,2-Trichloroethane         1         UG/L         U         U         1         1           1,1-Dichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethane         1         UG/L         U         U         1         1           1,2-Dichloroethane         1         UG/L         U         U         1         1           1,2-Dichloropapae         1         UG/L         U         U         1         1           2-Butanone         5         UG/L         U         U         5         1           4-Methyl-2-pentanone         5         UG/L         U         U         1         1           Benzene<	Gases	General Engineering Laboratory				_				
Volatile Organics         General Engineering Laboratory           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           1,1,2-Trichloroethane         1 UG/L         U         U         1         1           1,1-Dichloroethane         1 UG/L         U         U         1         1           1,1-Dichloroethane         1 UG/L         U         U         1         1           1,2-Dichloroethene         1 UG/L         U         U         1         1           1,2-Dichloroptopane         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           Acetone         5 UG/L         U         U         5         1           Benzene         1 UG/L         U         U         1         1           Bromodichloromethane         1 UG/L	SW846 3810	Methane	28.6	UG/L		=		20	1	
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         1,1,2,2-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-Dichloroethane       1       UG/L       U       U       1       1         1,2-Dichloroethane       5       UG/L       U       U       1       1         2-Butanone       5       UG/L       U       U       5       1         2-Hexanone       5       UG/L       U       U       1       1         Benzene       1       UG/L       U       U	Volatile Organics	General Engineering Laboratory								_
1,1,2,2-Tetrachloroethane       1       UG/L       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-Dichloroethane       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       5       1         2-Butanone       5       UG/L       U       U       5       1         2-Hexanone       5       UG/L       U       U       5       1         Acetone       5       UG/L       U       U       1       1         Bromodichloromethane       1       UG/L       U       U       1       1	SW846 8260B	1,1,1-Trichloroethane	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-Dichloroethane       1       UG/L       U       U       1       1         1,2-Dichloroethane       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         Benzene       1       UG/L       U       U       1       1         Bromodichloromethane       1       UG/L       U       U       1       1         Bromodichloromethane       1       UG/L       U       U       1       1 <td></td> <td>1,1,2,2-Tetrachloroethane</td> <td>1</td> <td>UG/L</td> <td>U</td> <td>U</td> <td></td> <td>1</td> <td>1</td> <td></td>		1,1,2,2-Tetrachloroethane	1	UG/L	U	U		1	1	
1,1-Dichloroethane       1       UG/L       U       1       1         1,1-Dichloroethane       1       UG/L       U       U       1       1         1,2-Dichloroethane       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       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       1       1         Benzene       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Carbon tetrachloride       1       UG/L       U       U       1       1         Chlorobenzene		1,1,2-Trichloroethane	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-Dichloroethene       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-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       1       1       1         Bromodichloromethane       1       UG/L       U       U       1       1       1         Garbon tetrachloride       5       UG/L       U       U       1       1       1         Chloroethane       1       UG/L       U       U       <		1,1-Dichloroethane	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-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         Bromoform       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon tetrachloride       5       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chlorobhane <t< td=""><td></td><td>1,1-Dichloroethene</td><td>1</td><td>UG/L</td><td>U</td><td>U</td><td></td><td>1</td><td>1</td><td></td></t<>		1,1-Dichloroethene	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         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         Bromodichloromethane       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Carbon tetrachloride       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform		1,2-Dichloroethane	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         Bromodichloromethane       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Carbon tetrachloride       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1		1,2-Dichloroethene	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         Bromodichloromethane       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1		1,2-Dichloropropane	1	UG/L	U	U		1	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         Bromodichloromethane       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1		2-Butanone	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         Bromodichloromethane       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Bromoform       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Carbon tetrachloride       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1		2-Hexanone	5	UG/L	U	U		5	1	
Acetone       5       UG/L       U       U       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         Bromoform       1       UG/L       U       U       1       1         Bromomethane       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Carbon tetrachloride       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1		4-Methyl-2-pentanone	5	UG/L	U	U		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         Bromomethane       1       UG/L       U       U       1       1         Carbon disulfide       5       UG/L       U       U       1       1         Carbon tetrachloride       1       UG/L       U       U       1       1         Chlorobenzene       1       UG/L       U       U       1       1         Chloroform       1       UG/L       U       U       1       1		Acetone	5	UG/L	U	U		5	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           Chloroform         1         UG/L         U         U         1         1		Benzene	1	UG/L	U	U		1	1	
Bromoform         1         UG/L         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           Chloroform         1         UG/L         U         U         1         1		Bromodichloromethane	1	UG/L	Ŭ	U		1	1	
Bromomethane         1         UG/L         U         1         1           Carbon disulfide         5         UG/L         U         U         5         1           Carbon tetrachloride         1         UG/L         U         U         5         1           Chlorobenzene         1         UG/L         U         U         1         1           Chloroform         1         UG/L         U         U         1         1		Bromoform	1	UG/L	Ŭ	Ű		1	1	
Carbon disulfide       5       UG/L       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		Bromomethane	1	UG/L	ŭ	ŭ		1	1	
Carbon tetrachloride         1         UG/L         U         1         1           Chlorobenzene         1         UG/L         U         U         1         1		Carbon disulfide	5	UG/L	ŭ	ŭ		5	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		Carbon tetrachloride	1	UG/L	ŭ	ŭ		1	1	
Chloroethane 1 UG/L U U 1 1 Chloroform 1 UG/L U U 1 1		Chlorobenzene	1	UG/L	U U	ŭ		1	1	
Chloroform 1 UG/L U U 1 1		Chloroethane	1	UG/L	ŭ	ŭ		1	1	
		Chloroform	1	UG/L	ŭ	ŭ		1	1	

SW846 8260B	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	0.45	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	1	UG/L	U	U	1	1	

Station: 7J-MW-04			N Coord	lorthing: 68 System: G	84325 A83E	.3415 I ast I	Easting: 82 Method:	1527.6047	_
Station: 7J-M Sample ID: 7J44 Date Collected: 08/20	IW-04 74 Med 0/2004 Field Sample Ty Chomical	lia: Ground pe: Grab	water	Lab I	Data \	/alidation	Detection	Dilution	
Analysis	Chemical	Result	Units	Qual	Quai	Code	Limit	Dilution	_
Common Anions	General Engineering Laboratory								
EPA 300.0	Nitrate	0.1	MG/L	HU	UJ	A03	0.1	1	
	Nitrite	0.1	MG/L	HU	UJ	A03	0.1	1	
	Sulfate	1.64	MG/L		=		0.4	1	
General Chemistry	General Engineering Laboratory				_				
SM4500-CO2	Carbon Dioxide	189	MG/L		=		20	1	
EPA 376.2	Sulfide	0.1	MG/L	U	U		0.1	1	
Inorganics	General Engineering Laboratory								
SW846 6010	Iron	9310	UG/L	E	J	E07	4.37	1	
Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	1,2,4-Trichlorobenzene	11.1	UG/L	U	U		11.1	1	
	1,2-Dichlorobenzene	11.1	UG/L	U	U		11.1	1	
	1,3-Dichlorobenzene	11.1	UG/L	U	U		11.1	1	
	1,4-Dichlorobenzene	11.1	UG/L	JB	U	F01.F06	11.1	1	
	2,4,5-Trichlorophenol	11.1	UG/L	U	U	0.00000000000	11.1	1	
	2,4,6-Trichlorophenol	11.1	UG/L	U	U		11.1	1	
	2,4-Dichlorophenol	11.1	UG/L	U	U		11.1	1	
	2.4-Dimethylphenol	11.1	UG/L	U	U		11.1	1	
	2.4-Dinitrophenol	22.2	UG/L	U	U		22.2	1	
	2.4-Dinitrotoluene	11.1	UG/L	Ŭ	Ŭ		11.1	1	
	2.6-Dinitrotoluene	11.1	UG/L	ŭ	Ū		11.1	1	
	2-Chloronaphthalene	1.1	UG/L	ŭ	ŭ		1.1	1	
	2-Chlorophenol	11.1	UG/L	Ŭ	ũ		11.1	1	
	2-Methyl-4.6-dinitrophenol	11.1	UG/L	ŭ	ŭ		11.1	1	
	2-Methylnaphthalene	33.3	UG/L		=		11	1	
	2-Methylphenol	11.1	UG/L	U.	U.		11.1	1	
	2-Nitroaniline	11.1	UG/L	ũ	ŭ		11 1	i	
	2-Nitrophenol	11.1	UG/L	ŭ	ŭ		11 1	1	
	3.3'-Dichlorobenzidine	11.1	UG/L	ŭ	ŭ		11.1	1	
	3-Nitroaniline	11.1	UG/L	ŭ	ŭ		11.1	1	
	4-Bromophenyl phenyl ether	11.1	UG/I	ŭ	ŭ		11.1	1	
	4-Chloro-3-methylphenol	11.1	UG/L	ŭ	ŭ		11.1	1	
	4-Chloroaniline	11.1	UG/L	ŭ	ŭ		11.1	1	
	4-Chlorophenyl phenyl ether	11.1	UG/L	ŭ	ŭ		11.1	1	
	4-Methylphenol	11.1	UG/L	ŭ	ŭ		11.1	1	
	4-Nitroaniline	11.1	UG/L	ŭ	ŭ		11.1	1	
	4-Nitrophenol	11.1	UG/L	ŭ	ŭ		11.1	1	
	Acenaphthene	2	LIG/L	0	=		1 1	1	

Station: 7J-MW-04 Sample ID: 7J4474 Date Collected: 08/20/2004

Media: Groundwater Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution	
Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	Acenaphthylene	1.1	UG/L	U	U		1.1	1	
	Anthracene	1.1	UG/L	U	U		1.1	1	
	Benz(a)anthracene	1.1	UG/L	U	U		1.1	1	
	Benzenemethanol	11.1	UG/L	U	U		11.1	1	
	Benzo(a)pyrene	1.1	UG/L	U	U		1.1	1	
	Benzo(b)fluoranthene	1.1	UG/L	U	U		1.1	1	
	Benzo(ghi)perylene	1.1	UG/L	U	U		1.1	1	
	Benzo(k)fluoranthene	1.1	UG/L	U	U		1.1	1	
	Benzoic acid	22.2	UG/L	U	U		22.2	1	
	Bis(2-chloroethoxy)methane	11.1	UG/L	U	U		11.1	1	
	Bis(2-chloroethyl) ether	11.1	UG/L	U	U		11.1	1	
	Bis(2-Chloroisopropyl)Ether	11.1	UG/L	U	U		11.1	1	
	Bis(2-ethylhexyl)phthalate	2.3	UG/L	J	J		11.1	1	
	Butyl benzyl phthalate	11.1	UG/L	U	υ		11.1	1	
	Carbazole	11.1	UG/L	U	U		11.1	1	
	Chrysene	1.1	UG/L	U	U		1.1	1	
	Di-n-butyl phthalate	11.1	UG/L	U	U		11.1	1	
	Di-n-octylphthalate	11.1	UG/L	U	U		11.1	1	
	Dibenz(a,h)anthracene	1.1	UG/L	U	U		1.1	1	
	Dibenzofuran	1.4	UG/L	J	J		11.1	1	
	Diethyl phthalate	11.1	UG/L	U	U		11.1	1	
	Dimethyl phthalate	11.1	UG/L	U	U		11.1	1	
	Diphenylamine	11.1	UG/L	U	U		11.1	1	
	Fluoranthene	1.1	UG/L	U	υ		1.1	1	
	Fluorene	3.5	UG/L		=		1.1	1	
	Hexachlorobenzene	11.1	UG/L	U	U		11.1	1	
	Hexachlorobutadiene	11.1	UG/L	U	U		11.1	1	
	Hexachlorocyclopentadiene	11.1	UG/L	U	U		11.1	1	
	Hexachloroethane	11.1	UG/L	U	U		11.1	1	
	Indeno(1,2,3-cd)pyrene	1.1	UG/L	U	U		1.1	1	
	Isophorone	11.1	UG/L	U	U		11.1	1	
	N-Nitroso-di-n-propylamine	11.1	UG/L	U	υ		11.1	1	
	Naphthalene	11.8	UG/L		=		1.1	1	
	Nitrobenzene	11.1	UG/L	U	U		11.1	1	
	Pentachlorophenol	11.1	UG/L	U	U		11.1	1	
	Phenanthrene	6.1	UG/L		=		1.1	1	
	Phenol	11.1	UG/L	U	U		11.1	1	
	Pyrene	0.71	UG/L	J	J		1.1	1	
Volatile Organic Gases	General Engineering Laboratory								
SW846 3810	Methane	65.1	UG/L		=		20	1	
Volatile Organics	General Engineering Laboratory								
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-Dichloroethene	0.49	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	6.2	UG/L	В	U	F01.F07	5	1	
	Benzene	1	UG/L	U	U		1	1	
	Bromodichloromethane	1	UG/L	U	U		1	1	

SW846 8260B	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	J	υ	F04,F06	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	6.6	UG/L	0.256	=		1	1	

Station: 7J-MW-05			Co	Northing: ord System:	684314 GA83E	4.9375 East	Easting: 82 Method:	1614.3624
Station: 7J-M Sample ID: 7J45 Date Collected: 08/19	W-05 74 Media: 9/2004 Field Sample Type:	Ground Grab	water					
Analysis	Chemical	Result	Units	Lab Qua	Data Qual	Validation Code	Detection Limit	Dilution
Common Anions	General Engineering Laboratory							
EPA 300.0	Nitrate	0.0341	MG/L	L	J U		0.0341	1
	Nitrite	0.0542	MG/L	ĩ	J Ū		0.0542	1
	Sulfate	0.376	MG/L		J		0.193	1
General Chemistry	General Engineering Laboratory							
SM4500-CO2	Carbon Dioxide	1	MG/L	L	J U		1	1
EPA 376.2	Sulfide	0.0248	MG/L	i	U UJ	102	0.0248	1
Inorganics	General Engineering Laboratory				50		0.02.10	
SW846 6010	Iron	583	UG/L		=		4.37	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	10.5	UG/L	ι	JU		10.5	1
	1,2-Dichlorobenzene	10.5	UG/L	L	JU		10.5	1
	1,3-Dichlorobenzene	10.5	UG/L	L	JU		10.5	1
	1,4-Dichlorobenzene	10.5	UG/L	L	JU		10.5	1
	2,4,5-Trichlorophenol	10.5	UG/L	L	JU		10.5	1
	2,4,6-Trichlorophenol	10.5	UG/L	L	J U		10.5	1
	2,4-Dichlorophenol	10.5	UG/L	Ū.	JU		10.5	1
	2,4-Dimethylphenol	10.5	UG/L	L	J U		10.5	1
	2,4-Dinitrophenol	21	UG/L	L	JU		21	1
	2,4-Dinitrotoluene	10.5	UG/L	L	JU		10.5	1
	2,6-Dinitrotoluene	10.5	UG/L	L	υ		10.5	1
	2-Chloronaphthalene	1	UG/L	L	J U		1	1
	2-Chlorophenol	10.5	UG/L	L	J U		10.5	1
	2-Methyl-4,6-dinitrophenol	10.5	UG/L	ι	JU		10.5	1
	2-Methylnaphthalene	1	UG/L	L	J U		1	1
	2-Methylphenol	10.5	UG/L	L	J U		10.5	1
	2-Nitroaniline	10.5	UG/L	ι	J U		10.5	1
	2-Nitrophenol	10.5	UG/L	L	JU		10.5	1
	3,3'-Dichlorobenzidine	10.5	UG/L	L	JU		10.5	1
	3-Nitroaniline	10.5	UG/L	L	J U		10.5	1
	4-Bromophenyl phenyl ether	10.5	UG/L	L	JU		10.5	1

Station: 7J-MW-05 Sample ID: 7J4574 Date Collected: 08/19/2004

Media: Groundwater Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution	
Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	4-Chloro-3-methylphenol	10.5	UG/L	U	U		10.5	1	
	4-Chloroaniline	10.5	UG/L	U	U		10.5	1	
	4-Chlorophenyl phenyl ether	10.5	UG/L	U	U		10.5	1	
	4-Methylphenol	10.5	UG/L	U	U		10.5	1	
	4-Nitroaniline	10.5	UG/L	U	U		10.5	1	
	4-Nitrophenol	10.5	UG/L	U	U		10.5	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	10.5	UG/L	U	U		10.5	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	R	C04,C05	1	1	
	Benzoic acid	21	UG/L	U	U		21	1	
	Bis(2-chloroethoxy)methane	10.5	UG/L	U	U		10.5	1	
	Bis(2-chloroethyl) ether	10.5	UG/L	U	U		10.5	1	
	Bis(2-Chloroisopropyl)Ether	10.5	UG/L	Ŭ	Ū		10.5	1	
	Bis(2-ethylhexyl)phthalate	10.5	UG/L	Ŭ	ũ		10.5	1	
	Butyl benzyl phthalate	10.5	UG/I	ŭ	ŭ		10.5	1	
	Carbazole	10.5	UG/L	ŭ	ŭ		10.5	1	
	Chrysene	10.0	UG/L	ŭ	ŭ		10.0		
	Di-n-butyl phthalate	10 5	UG/L	ŭ	ŭ		10.5		
	Di-n-octylohthalate	10.5	UG/L	ŭ	ŭ		10.5	1	
	Dibenz(a h)anthracene	10.5	UG/L		ü		10.5	1	
	Dibenzofuran	10.5	UG/L		ŭ		10.5	1	
	Diethyl ohtbalate	10.5	UG/L		ŭ		10.5	1	
	Dimethyl phthalate	10.5					10.5	1	
	Dinhenylamine	10.5	UG/L				10.5	1	
	Fluoranthene	10.5	UG/L				10.5	1	
	Fluorene	-						1	
	Heyachlorobenzene	10.5	UG/L				10 5	1	
	Hexachlorobutadiene	10.5					10.5	1	
	Hexachlorocuclonentadiona	10.5	UG/L				10.5		
	Hexachloroothana	10.5	UG/L	0			10.5	1	
		10.5	UG/L	0			10.5	1	
	Indeno(1,2,3-cd)pyrene	10.5	UG/L	0			1	1	
	N Nitroce di a providencia e	10.5	UG/L	0	0		10.5	1	
	N-Nitroso-di-n-propylamine	10.5	UG/L	U	U		10.5	1	
	Naphinalene	1.4	UG/L		=		1	1	
	Nitrobenzene	10.5	UG/L	0	0		10.5	1	
	Pentachiorophenol	10.5	UG/L	U	U		10.5	1	
	Phenanthrene	1	UG/L	U	U		1	1	
	Phenol	10.5	UG/L	U	U		10.5	1	
Malatila O and	Pyrene	1	UG/L	0	U		1	1	100
Gases	General Engineering Laboratory								
SW846 3810	Methane	20.4	UG/L		=		20	1	
Volatile Organics	General Engineering Laboratory								
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-Dichloroethene	1	UG/L	U	U		1	1	

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	
	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	0.23 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	0.55 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	3.6 UG/L		=	1	1	

Station: 7J-MW-06			Coo	Northing: rd System:	68425 GA838	3.3277 East	Easting: 82 Method:	1526.0826
Station: 7J-M Sample ID: 7J46 Date Collected: 08/1	IW-06 574 Media: 9/2004 Field Sample Type:	Ground Grab	water	Lab	Data	Validation	Detection	
Analysis	Chemical	Result	Units	Qua	I Qual	Code	Limit	Dilution
Common Anions	General Engineering Laboratory							10.000
EPA 300.0	Nitrate Nitrite Sulfate	0.0341 0.0542 0.736	MG/L MG/L MG/L	l l	U U U U =		0.0341 0.0542 0.193	1 1 1
General Chemistry	General Engineering Laboratory						0.100	
SM4500-CO2 EPA 376.2	Carbon Dioxide Sulfide	1 0.0248	MG/L MG/L	l l	U U		1 0.0248	1
Inorganics	General Engineering Laboratory							
SW846 6010	Iron	211	UG/L		=		4.37	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	10.6	UG/L	l	JU		10.6	1
	1,2-Dichlorobenzene	10.6	UG/L	L	JU		10.6	1
	1,3-Dichlorobenzene	10.6	UG/L	l	JU		10.6	1
	1,4-Dichlorobenzene	10.6	UG/L	ı	JU		10.6	1
	2,4,5-Trichlorophenol	10.6	UG/L	ı	JU		10.6	1
	2,4,6-Trichlorophenol	10.6	UG/L	L	JU		10.6	1
	2,4-Dichlorophenol	10.6	UG/L	U	JU		10.6	1
	2,4-Dimethylphenol	10.6	UG/L	I	JU		10.6	1
	2,4-Dinitrophenol	21.3	UG/L	l	JU		21.3	1
	2,4-Dinitrotoluene	10.6	UG/L	I	J U		10.6	1
	2,6-Dinitrotoluene	10.6	UG/L	I	JU		10.6	1
	2-Chloronaphthalene	1.1	UG/L	L	JU		1.1	1
	2-Chlorophenol	10.6	UG/L	L.	JU		10.6	1
	2-weuryi-4,o-ainitrophenoi	10.6	UG/L	L L	J U		10.6	1

Station: 7J-MW-06 Sample ID: 7J4674 Date Collected: 08/19/2004

Media: Groundwater Field Sample Type: Grab

Binl -Voltitie Virganics          Second	Analysis	Chemical	<b>Result Units</b>	Qual Qual Code	Imit Dilution
WB46 8270C         2-Methylophenol         1.1         UGL         U         1.1         1           2-Methylophenol         10.6         UGL         U         U         10.6         1           2-Methylophenol         10.6         UGL         U         U         10.6         1           2-Mitophenol         10.6         UGL         U         U         10.6         1           2-Mitophenol         10.6         UGL         U         U         10.6         1           2-Mitophenol         10.6         UGL         U         U         10.6         1           4-Chioros-methylphenol         10.6         UGL         U         10.6         1           4-Chioroshenyl phenyl ether         10.6         UGL         U         10.6         1           4-Methylphenol         10.6         UGL         U         10.6         1           4-Mitophenol         10.6         UGL         U         1.1         1           Acanaphitylere         1.1         UGL         U         1.1         1           Acanaphitylere         1.1         UGL         U         1.1         1           Berazolinjusere         1.1	Semi-Volatile Organics	General Engineering Laboratory			
2-Methylphenol         10.6         UG/L         U         U         10.6         1           2-Nitrophenol         10.6         UG/L         U         U         10.6         1           3-3-Dichrobenzidine         10.6         UG/L         U         U         10.6         1           3-Witroaniline         10.6         UG/L         U         U         10.6         1           4-Choro-3-methylphonol         10.6         UG/L         U         U         10.6         1           4-Choro-3-methylphonol         10.6         UG/L         U         U         10.6         1           4-Choro-3-methylphonol         10.6         UG/L         U         U         10.6         1           4-Methylphonol         10.6         UG/L         U         U         10.6         1           4-Methylphonol         10.6         UG/L         U         U         1.1         1           Acemaphthylene         1.1         UG/L         U         U         1.1         1           Acemaphthylene         1.1         UG/L         U         U         1.1         1           Benzo(ajanthracone         1.1         UG/L         U	SW846 8270C	2-Methylnaphthalene	1.1 UG/L	υυ	1.1 1
2-Nircaniline         10.6         UG/L         U         U         10.6         1           2-Nircophenol         10.6         UG/L         U         U         10.6         1           3-Virolaniline         10.6         UG/L         U         U         10.6         1           3-Nironalline         10.6         UG/L         U         U         10.6         1           4-Chioro-Amehyphenol         10.6         U/L         U         U         10.6         1           4-Chioro-Amiline         10.6         U/L         U         U         10.6         1           4-Mitryphenol         10.6         U/L         U         U         10.6         1           4-Mitryphenol         10.6         U/L         U         U         10.6         1           4-Mitryphenol         10.6         U/L         U         U         1.1         1           Accenaphthylene         1.1         U/L         U         U         1.1         1           Barza(bijoryene         1.1         U/L         U         U         1.1         1           Barza(bijoryene         1.1         U/L         U         1.1         1<		2-Methylphenol	10.6 UG/L	υυ	10.6 1
2-Nitrophenol         10.6         UG/L         U         U         10.6         1           3-3'-Dichrobenzidine         10.6         UG/L         U         U         10.6         1           4-Bromophenyl phenyl ether         10.6         U/L         U         U         10.6         1           4-Chloro-Amethylphenol         10.5         UG/L         U         U         10.6         1           4-Chloro-Amethylphenol         10.5         UG/L         U         U         10.6         1           4-Chloro-Amethylphenyl ether         10.5         UG/L         U         U         10.6         1           4-Mitrophenol         10.5         UG/L         U         U         10.6         1           4-Nitrophenol         10.5         UG/L         U         U         10.6         1           4-Nitrophenol         10.5         UG/L         U         U         1.1         1           Accenaphthylene         1.1         UG/L         U         U         1.1         1           Borzo(alprene         1.1         UG/L         U         U         1.1         1           Berzo(Alprenehane         1.1         UG/L		2-Nitroaniline	10.6 UG/L	υυ	10.6 1
3.3 <sup>+</sup> Clichlorobenzickine         10.6         UG/L         U         U         10.6         1           3-Nitroanline         10.6         UG/L         U         U         10.6         1           4-Bromophenyl phenyl ether         10.6         UG/L         U         U         10.6         1           4-Chloroanline         10.6         UG/L         U         U         10.6         1           4-Chlorophnyl phenyl ether         10.6         UG/L         U         U         10.6         1           4-Chlorophnyl phenyl ether         10.6         UG/L         U         U         10.6         1           4-Nitrophenyl phenyl ether         10.6         UG/L         U         U         10.6         1           4-Nitrophenol         10.6         UG/L         U         U         1.1         1           Accraphthylene         1.1         UG/L         U         U         1.1         1           Banzolojjkorene         1.1         UG/L         U         U         1.1         1           Banzolojjkoryene         1.1         UG/L         U         U         1.1         1           Banzolojjkoryene         1.1         U		2-Nitrophenol	10.6 UG/L	υυ	10.6 1
3-Nitroaniline         10.6         UGAL         U         U         10.6         1           4-Bormopheryl phenyl ether         10.6         UGAL         U         U         10.6         1           4-Chloro-3-methylphenol         10.6         UGAL         U         U         10.6         1           4-Chloro-3-methylphenol         10.5         UGAL         U         U         10.6         1           4-Mitrophenol         10.5         UGAL         U         U         10.6         1           4-Nitroaniline         10.5         UGAL         U         U         10.6         1           4-Nitroaniline         10.5         UGAL         U         U         11.1         1           Accenaphthene         1.1         UGAL         U         U         1.1         1           Berzzole/Difusershene         1.1         UGAL         U         U         1.1         1           Berzzole/Difusershene         1.1         UGAL         U         U         1.1         1           Berzzole/Difusershene         1.2         UGAL         U         U         1.1         1           Berzzole/Difusershene         1.2         UGAL <td></td> <td>3,3'-Dichlorobenzidine</td> <td>10.6 UG/L</td> <td>υυ</td> <td>10.6 1</td>		3,3'-Dichlorobenzidine	10.6 UG/L	υυ	10.6 1
4-Bromophenyl phenyl ether         10.6         UG/L         U         10.6         1           4-Chloroaniline         10.6         UG/L         U         U         10.6         1           4-Chloroaniline         10.6         UG/L         U         U         10.6         1           4-Chloroaniline         10.6         UG/L         U         U         10.6         1           4-Mitroaniline         10.6         UG/L         U         U         10.6         1           4-Nitrophenol         10.6         UG/L         U         U         10.6         1           A-Nitrophenol         10.6         UG/L         U         U         1.1         1           Acenaphthene         1.1         UG/L         U         U         1.1         1           Berzz(a)pirone         1.1         UG/L         U         U         1.1         1           Berzz(a)filoanithene         1.1         UG/L         U         U         1.1         1           Berzz(a)filoanithene         1.1         UG/L         U         U         1.6         1           Berzz(a)filoanithene         1.1         UG/L         U         1.6		3-Nitroaniline	10.6 UG/L	υυ	10.6 1
4-Chloro-3-methylphenol         10.6         UGL         U         10.6         1           4-Chlorosphenyl phenyl ether         10.6         UGL         U         10.6         1           4-Methylphenol         10.6         UGL         U         10.6         1           4-Mitrophenol         10.6         UGL         U         10.6         1           4-Nitrophenol         10.6         UGL         U         11.1         1           Acenaphthene         1.1         UGL         U         1.1         1           Acenaphthene         1.1         UGL         U         1.1         1           Acenaphthene         1.1         UGL         U         1.1         1           Benzolenpermethanol         10.6         UGL         U         1.1         1           Benzolenpiperylene         1.1         UGL         U         1.1         1           Benzolenpiperylene         1.1         UGL         U         1.1         1           Benzolenpiperylene         1.2         UGL         U         1.1         1           Benzolenpiperylene         1.2         UGL         U         1.0.6         1 <t< td=""><td></td><td>4-Bromophenyl phenyl ether</td><td>10.6 UG/L</td><td>υυ</td><td>10.6 1</td></t<>		4-Bromophenyl phenyl ether	10.6 UG/L	υυ	10.6 1
4-Chloropheryl pheryl ether         10.6         UGAL         U         10.6         1           4-Chloropheryl pheryl ether         10.6         UGAL         U         U         10.6           4-Methylphenol         10.5         UGAL         U         U         10.6         1           4-Nitroamiline         10.6         UGAL         U         U         10.6         1           Acenaphthene         1.1         UGAL         U         U         1.1         1           Acenaphthylene         1.1         UGAL         U         U         1.1         1           Berzz(a)phyrene         1.1         UGAL         U         U         1.6         <		4-Chloro-3-methylphenol	10.6 UG/L	U U	10.6 1
4-Chloropheny phenyl ether         10.6         UGL         U         U         10.6         1           4-Mettyphenol         10.6         UGL         U         U         10.6         1           4-Nitroaniline         10.6         UGL         U         U         10.6         1           4-Nitroaniline         10.6         UGL         U         U         10.6         1           4-Antracene         1.1         UGL         U         U         1.1         1           Acenaphthylene         1.1         UGL         U         U         1.1         1           Benza(a)antracene         1.1         UGL         U         U         1.1         1           Benza(b)flucranthene         1.1         UGL         U         U         1.1         1           Benza(b)flucranthene         1.1         UGL         U         U         1.1         1           Benza(b)flucranthene         1.1         UGL         U         U         1.6         1           Benza(b)flucranthene         1.1         UGL         U         U         1.6         1           Benza(b)flucranthene         1.1         UGL         U		4-Chloroaniline	10.6 UG/L	Ū Ū	10.6 1
4-Methylphenol         106 UG/L         U         U         106 I           4-Nirophenol         106 UG/L         U         U         106 I           Acenaphthene         1.1 UG/L         U         U         1.1           Acenaphthylene         1.1 UG/L         U         U         1.1           Acenaphthylene         1.1 UG/L         U         U         1.1           Acenaphthylene         1.1 UG/L         U         U         1.1           Benze(a)pyrene         1.1 UG/L         U         U         1.1           Benzo(a)pyrene         1.1 UG/L         U         U         1.1           Benzo(a)fulperylene         1.1 UG/L         U         U         1.1           Benzo(a)fulperylene         1.1 UG/L         U         U         1.1           Benzo(a)fulperylene         1.1 UG/L         U         U         1.6           Benzo(a)fulperylene         1.0 G/L         U         U		4-Chlorophenyl phenyl ether	10.6 UG/L	Ŭ Ŭ	10.6 1
4-Nitrophenol         10.6         UGL         U         U         10.6         1           Acenaphthene         1.1         UGL         U         U         1.1         1           Acenaphthene         1.1         UGL         U         U         1.1         1           Acenaphthylene         1.1         UGL         U         U         1.1         1           Acenaphthylene         1.1         UGL         U         U         1.1         1           Benze(a)anthracene         1.1         UGL         U         U         1.1         1           Benze(b)fluoranthene         1.1         UGL         U         U         1.1         1           Benzo(c)hluoranthene         1.1         UGL         U         U         1.1         1           Benzo(c)hluoranthene         1.1         UGL         U         U         1.6         1           Benzo(c)hluoranthene         1.0         UGL         U         U         1.6         1           Benzo(c)hluoranthene         1.0         UGL         U         U         1.6         1           Benzo(c)hluoranthene         1.1         UGL         U         U		4-Methylphenol	10.6 UG/L	ũ ũ	10.6 1
4-Nitrophenol         10.6         UGL         U         U         10.6         1           Acenaphthene         1.1         UGL         U         U         1.1         1           Acenaphthylene         1.1         UGL         U         U         1.1         1           Acenaphthylene         1.1         UGL         U         U         1.1         1           Benzolaphthylene         1.1         UGL         U         U         1.1         1           Benzolaphthylene         1.1         UGL         U         U         1.1         1           Benzolaphthane         1.1         UGL         U         U         1.1         1           Benzolaphtene         1.1         UGL         U         U         1.6         1.6           Benzolaphtene         1.6         UGL         U         1.6         1.6         1.6 <td></td> <td>4-Nitroaniline</td> <td>10.6 UG/L</td> <td>ũ ũ</td> <td>10.6 1</td>		4-Nitroaniline	10.6 UG/L	ũ ũ	10.6 1
Acenaphthene         1.1         UGL         U         1.1         1           Acenaphthylene         1.1         UGL         U         1.1         1           Acmaphthylene         1.1         UGL         U         1.1         1           Antracene         1.1         UGL         U         1.1         1           Benzo(a)pyrene         1.2         UGL         U         1.0.6         1           Benzo(a)pyrene         1.0         U         1.0.6         1         1.0.6         1           Bis(2-chloroethyl)ether         10.6         UGL         U         U         1.6.6         1 <td< td=""><td></td><td>4-Nitrophenol</td><td>10.6 UG/L</td><td>ŭ ŭ</td><td>10.6 1</td></td<>		4-Nitrophenol	10.6 UG/L	ŭ ŭ	10.6 1
Acenaphthylene         1.1         UG/L         U         U         1.1         I           Anthracene         1.1         UG/L         U         U         1.1         I           Benzelanthracene         1.1         UG/L         U         U         1.1         I           Benzo(a)pyrene         1.1         UG/L         U         U         1.1         I           Benzo(b)fluoranthene         1.1         UG/L         U         U         1.1         I           Benzo(b)fluoranthene         1.1         UG/L         U         U         1.1         I           Benzo(c)(fluoranthene         1.1         UG/L         U         U         1.1         I           Benzo(c)(fluoranthene         1.1         UG/L         U         U         1.6         I		Acenaphthene	1.1 UG/L	ŭ ŭ	11 1
Anthracene         1.1         UG/L         U         1.1         1           Benz(a)anthracene         1.1         UG/L         U         U         1.1         1           Benz(a)anthracene         1.1         UG/L         U         U         1.1         1           Benzo(a)pyrene         1.1         UG/L         U         U         1.1         1           Benzo(b)fluoranthene         1.1         UG/L         U         U         1.1         1           Benzo(c)fluoranthene         1.1         UG/L         U         U         1.1         1           Benzo(c)fluoranthene         1.6         UG/L         U         U         1.6         1           Bis(2-chloreethy) lether         10.6         UG/L         U         U         1.6         1           Bis(2-chloreethy) lethalate         10.6         UG/L         U		Acenaphthylene	11 UG/L	ŭ ŭ	11 1
Benz(a)anthracene         1.1         0.6         0         1.1         1           Benz(a)anthracene         1.1         0.6         0         1.1         1           Benz(a)anthracene         1.1         0.6         0         1.1         1           Benzo(b)fluoranthene         1.1         0.6         1         1.0         0.6         1           Benzo(c)fluoranthene         1.1         0.6         1         1.1         1         1           Benzo(c)fluoranthene         1.1         0.6         1         1.1         1         1           Bis(2-chloreethoxy)methane         1.6         0.6/L         U         U         1.0.6         1           Bis(2-chloreethoxy)methane         1.6         0.6/L         U         U         1.0.6         1           Bis(2-chloreethy) ether         10.6         U         U         10.6         1           Bis(2-chloreisopropy))Ether         10.6         U         U         10.6         1           Carbazole         10.6         U/L         U         10.6         1         1.1           Di-n-butyl phthalate         10.6         U/L         U         1.1         1		Anthracene	11 10/	0 0	1.1 1
Benzenmethanol         1.1         0.6         0         1.1         1           Benzo(a)pyrene         1.1         UG/L         U         U         1.1           Benzo(a)pyrene         1.1         UG/L         U         U         1.1           Benzo(b)fluoranthene         1.1         UG/L         U         U         1.1           Benzo(c)fluoranthene         1.1         UG/L         U         U         1.1           Benzo(c)fluoranthene         1.1         UG/L         U         U         1.1           Benzo(c)fluoranthene         1.0.6         UG/L         U         U         1.1           Benzo(c)acid         US/L         U         U         1.0.6         1           Bis(2-chloroethyv)(methane         10.6         UG/L         U         U         10.6           Bis(2-chloroethyv)(pthate         2.8         UG/L         U         10.6         1           Bis(2-chloroethyv)(pthate         10.6         U/L         U         10.6         1           Carbazole         10.6         U/L         U         10.6         1         1           Dihenzyl phthalate         10.6         U/L         U         1.1		Benz(a)anthracene	1.1 UG/L	0 0	
Dence (a)pyrene         1.1         UG/L         U         U         1.1         1           Benzo(a)pyrene         1.1         UG/L         U         U         1.1         1           Benzo(b)flocylene         1.1         UG/L         U         U         1.1         1           Benzo(c)filocyleviene         1.1         UG/L         U         U         1.1         1           Benzo(c)filocyleviene         1.6         U         U         1.1         1           Benzo(c)filocyleviene         1.6         U         U         1.6         1.1           Bis(2-chloroethxylmethane         1.6         U/L         U         U         1.6         1           Bis(2-chloroethyl) ether         10.6         U         U         10.6         1         1           Bis(2-chloroethyl) phthalate         1.6         U/L         U         10.6         1 </td <td></td> <td>Benzenemethanol</td> <td>10.6 UC/L</td> <td>0 0</td> <td>1.1 1</td>		Benzenemethanol	10.6 UC/L	0 0	1.1 1
Benzola // prene         1.1         UG/L         U         0         1.1         1           Benzolphiloranthene         1.1         UG/L         U         U         1.1         1           Benzolphiloranthene         1.1         UG/L         U         U         1.1         1           Benzolc acid         12.9         UG/L         J         J         21.3         1           Benzolc acid         12.9         UG/L         U         U         10.6         1           Bis(2-chloresthyl) ether         10.6         U         U         10.6         1           Chrysene         1.1         UG/L         U         U         10.6         1           Chrysene         1.1         UG/L         U         U         10.6         1           Dihenzolran         10.6         U/L         U         U         10.6         1 <td< td=""><td></td><td>Benzo(a)pyropo</td><td>11.0 00/L</td><td></td><td>10.6 1</td></td<>		Benzo(a)pyropo	11.0 00/L		10.6 1
Benzol()/locatiliterie         1.1         UG/L         U         U         1.1         1           Benzol(h)/perylene         1.1         UG/L         U         U         1.1         1           Benzol(h)/perylene         1.1         UG/L         U         U         1.1         1           Benzol(hoxy)methane         10.6         UG/L         U         U         10.6         1           Bis(2-chloredbroxy)methane         10.6         UG/L         U         U         10.6         1           Bis(2-chloredbroxy)mptheme         10.6         UG/L         U         U         10.6         1           Bis(2-chloredbroxy)mpthtalate         2.8         UG/L         U         U         10.6         1           Bis(2-chloredbroxy)mpthtalate         1.6         UG/L         U         U         10.6         1           Carbazole         10.6         UG/L         U         U         10.6         1           Din-rotylphthalate         10.6         U/L         U         10.6         1           Dinetryl phthalate         10.6         U/L         U         10.6         1           Dibenzolvarin         10.6         U/L         U <td></td> <td>Benzo(a)pyrelie</td> <td>1.1 UG/L</td> <td>0 0</td> <td>1.1 1</td>		Benzo(a)pyrelie	1.1 UG/L	0 0	1.1 1
BerizQ(g)/lugarithme         1.1         UG/L         U         U         1.1         1           BerizQ(k)/lugarithme         1.29         UG/L         J         J         21.3         1           Bis(2-chloroethoxy)methane         10.6         UG/L         U         U         10.6         1           Bis(2-chloroethoxy)methane         10.6         UG/L         U         U         10.6         1           Bis(2-chloroethoxy)methalate         2.8         UG/L         U         U         10.6         1           Bis(2-chloroethoxy)methalate         2.8         UG/L         U         U         10.6         1           Bis(2-chloroethyp)pthalate         10.6         UG/L         U         U         10.6         1           Butyl benzyl phthalate         10.6         UG/L         U         U         10.6         1           Chrysene         1.1         UG/L         U         U         10.6         1           Di-n-otylphthalate         10.6         UG/L         U         U         1.1         1           Dibenz(a,h)anthracene         1.1         UG/L         U         U         1.6         1           Dibenz(a,h)anthracene		Benzo(b)huoranmene	1.1 UG/L	0 0	1.1 1
Berizo(k) modrafinene         1.1         UG/L         U         1.1         1           Berizo(k) modrafinene         10.6         UG/L         J         J         21.3         1           Bis(2-chloroethoxy)methane         10.6         UG/L         U         U         10.6         1           Bis(2-chloroethy)Pitter         10.6         UG/L         U         U         10.6         1           Bis(2-chlorospropy)Ether         10.6         UG/L         U         U         10.6         1           Bis(2-chlorospropy)Ether         10.6         UG/L         U         U         10.6         1           Bis(2-chlorospropy)Ether         10.6         UG/L         U         U         10.6         1           Carbazole         10.6         UG/L         U         U         10.6         1           Carbazole         10.6         UG/L         U         U         10.6         1           Di-n-octylphthalate         10.6         UG/L         U         U         10.6         1           Dibenz(a, h)anthracene         1.1         UG/L         U         U         10.6         1           Dibenz(a, h)anthracene         10.6         U		Benzo(gni)perviene	1.1 UG/L	0 0	1.1 1
Behzoic acid         12.9         UG/L         J         J         21.3         1           Bis(2-chloroethxy)) ether         10.6         UG/L         U         U         10.6         1           Bis(2-chloroethyl) ether         10.6         UG/L         U         U         10.6         1           Bis(2-chloroethyl) ether         10.6         UG/L         U         U         10.6         1           Bis(2-chloroethyl) pthalate         2.8         UG/L         U         U         10.6         1           Bis(2-chloroethyl) pthalate         10.6         UG/L         U         U         10.6         1           Chrysene         1.1         UG/L         U         U         10.6         1           Di-n-octylphthalate         10.6         UG/L         U         U         10.6         1           Dibenz(a, hanthracene         10.6         UG/L         U         U         10.6         1           Dibenzofuran         10.6         UG/L         U         U         10.6         1           Dibenzofuran         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         U		Benzo(k)nuorantnene	1.1 UG/L	U U	1.1 1
Bis(2-chloreethoxy)methane         10.6         UG/L         U         U         10.6         1           Bis(2-chloreethoxy)methane         10.6         UG/L         U         U         10.6         1           Bis(2-chloreethy)lpthalate         2.8         UG/L         J         J         10.6         1           Butyl benzyl phthalate         10.6         UG/L         U         U         10.6         1           Carbazole         10.6         UG/L         U         U         10.6         1           Din-butyl phthalate         10.6         UG/L         U         U         10.6         1           Din-octylphthalate         10.6         UG/L         U         U         10.6         1           Dibenz(a, h)anthracene         1.1         UG/L         U         U         10.6         1           Dibenzofuran         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         1.1         1           Hexachlorobutadiene         10.6         U		Benzoic acid	12.9 UG/L	JJ	21.3 1
Bis(2-chlorostryl) ether         10.6         1           Bis(2-chlorosporpyl)Ether         10.6         1           Bis(2-ethylhexyl)phthalate         2.8         UG/L         J         J         10.6         1           Bis(2-ethylhexyl)phthalate         10.6         U         U         10.6         1           Butyl benzyl phthalate         10.6         U/L         U         U         10.6         1           Carbazole         10.6         U/L         U         U         10.6         1           Din-botyl phthalate         10.6         U/L         U         U         10.6         1           Dibenz(a,h)anthracene         1.1         U/G/L         U         U         10.6         1           Dibenz(a,h)anthracene         1.6         U/G/L         U         U         10.6         1           Dibenz/Langhamine         10.6         U/L         U         U         10.6         1           Diphenylamine         10.6         U/L         U         11.1         1         1           Fluorene         1.1         U/L         U         10.6         1         1         1         1           Hexachlorobezene		Bis(2-chloroethoxy)methane	10.6 UG/L	υυ	10.6 1
Bis(2-Enhylhexyl)pithalate         2.8         UG/L         U         10.6         1           Bis(2-Enhylhexyl)pithalate         2.8         UG/L         U         10.6         1           Butyl benzyl pithalate         10.6         U         U         10.6         1           Carbazole         10.6         UG/L         U         U         10.6         1           Din-n-butyl pithalate         10.6         U         U         1.1         1           Din-n-butyl pithalate         10.6         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         1.1         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         1.6         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         10.6         UG/L         U         U <td< td=""><td></td><td>Bis(2-chloroethyl) ether</td><td>10.6 UG/L</td><td>υυ</td><td>10.6 1</td></td<>		Bis(2-chloroethyl) ether	10.6 UG/L	υυ	10.6 1
Bis(2-ethylnexyl)phtalate         2.8         UG/L         J         10.6         1           Butyl benzyl phtalate         10.6         UG/L         U         10.6         1           Carbazole         10.6         UG/L         U         U         10.6         1           Chrysene         1.1         UG/L         U         U         1.1         1           Di-n-cytylphthalate         10.6         UG/L         U         U         1.1         1           Dibenz(a,h)anthracene         1.1         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         1.1         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         1.1         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         1.6         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         10.6         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         10.6         UG/L         U         U         10.6         1           Dibenz(hran         10.6         UG/L         U         U		Bis(2-Chloroisopropyl)Ether	10.6 UG/L	υυ	10.6 1
Butyl benzyl phthalate         10.6         UG/L         U         10.6         1           Carbazole         10.6         UG/L         U         U         10.6         1           Chrysene         1.1         UG/L         U         U         1.1         1           Din-butyl phthalate         10.6         UG/L         U         U         10.6         1           Dibenz(a, h)anthracene         1.1         UG/L         U         U         10.6         1           Dibenz(a, h)anthracene         1.1         UG/L         U         U         10.6         1           Dibenzofuran         10.6         UG/L         U         U         10.6         1           Dibenzofuran         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         10.6         1           Fluoranthene         1.1         UG/L         U         U         10.6         1           Hexachlorobenzene         10.6         UG/L         U         U         10.6         1           Hexachlorobenzene         10.6         UG/L         U         U         10		Bis(2-ethylhexyl)phthalate	2.8 UG/L	JJ	10.6 1
Carbazole         10.6         UG/L         U         U         10.6         1           Chrysene         1.1         UG/L         U         U         1.1         1           Di-n-butyl phthalate         10.6         UG/L         U         U         10.6         1           Di-n-octylphthalate         10.6         UG/L         U         U         10.6         1           Dibenzofuran         10.6         UG/L         U         U         1.1         1           Dibenzofuran         10.6         UG/L         U         U         10.6         1           Dibenzofuran         10.6         UG/L         U         U         10.6         1           Dimethyl phthalate         10.6         UG/L         U         U         10.6         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Hexachlorobenzene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U		Butyl benzyl phthalate	10.6 UG/L	υu	10.6 1
Chrysene         1.1         UG/L         U         1.1         1           Di-n-butyl phthalate         10.6         UG/L         U         U         10.6         1           Di-n-octylphthalate         10.6         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         1.1         UG/L         U         U         1.1         1           Dibenz(a,h)anthracene         1.1         UG/L         U         U         1.1         1           Dibenz(a,h)anthracene         1.0         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         1.0.6         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         10.6         UG/L         U         U         10.6         1           Diethyl phthalate         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         1.1         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Hexachlorobtadiene         10.6         UG/L         U <t< td=""><td></td><td>Carbazole</td><td>10.6 UG/L</td><td>υυ</td><td>10.6 1</td></t<>		Carbazole	10.6 UG/L	υυ	10.6 1
Di-n-butyl phthalate         10.6         UG/L         U         U         10.6         1           Di-n-octylphthalate         10.6         UG/L         U         U         10.6         1           Dibenzofuran         10.6         UG/L         U         U         1.1         1           Dibenzofuran         10.6         UG/L         U         U         10.6         1           Diethyl phthalate         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         10.6         1           Fluoranthene         1.1         UG/L         U         U         11.1         1           Hexachlorobutadiene         10.6         UG/L         U         U         11.1         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L		Chrysene	1.1 UG/L	υυ	1.1 1
Di-n-octylphthalate         10.6         UG/L         U         U         10.6         1           Dibenz(a,h)anthracene         1.1         UG/L         U         U         1.1         1           Dibenzofuran         10.6         UG/L         U         U         10.6         1           Diethyl phthalate         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         10.6         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Hexachlorobenzene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L		Di-n-butyl phthalate	10.6 UG/L	υυ	10.6 1
Dibenz(a,h)anthracene         1.1         UG/L         U         U         1.1         1           Dibenzofuran         10.6         UG/L         U         U         10.6         1           Diethyl phthalate         10.6         UG/L         U         U         10.6         1           Dimethyl phthalate         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         10.6         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L <td< td=""><td></td><td>Di-n-octylphthalate</td><td>10.6 UG/L</td><td>υυ</td><td>10.6 1</td></td<>		Di-n-octylphthalate	10.6 UG/L	υυ	10.6 1
Dibenzofuran         10.6         UG/L         U         U         10.6         1           Diethyl phthalate         10.6         UG/L         U         U         10.6         1           Dimethyl phthalate         10.6         UG/L         U         U         10.6         1           Dimethyl phthalate         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         11.1         1           Fluoranthene         1.1         UG/L         U         U         11.1         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         1.1		Dibenz(a,h)anthracene	1.1 UG/L	υυ	1.1 1
Diethyl phthalate         10.6         UG/L         U         U         10.6         1           Dimethyl phthalate         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         10.6         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Fluorene         1.1         UG/L         U         U         1.1         1           Hexachlorobenzene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         10.6         1           N-Nitroso-din-propylamine         10.6         UG		Dibenzofuran	10.6 UG/L	υυ	10.6 1
Dimethyl phthalate         10.6         UG/L         U         U         10.6         1           Diphenylamine         10.6         UG/L         U         U         10.6         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Hexachlorobenzene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         10.6         1           Naphthalene         1.6         UG/L         U         U         10.6         1           Naphthalene         1.6         UG/L <t< td=""><td></td><td>Diethyl phthalate</td><td>10.6 UG/L</td><td>υu</td><td>10.6 1</td></t<>		Diethyl phthalate	10.6 UG/L	υu	10.6 1
Diphenylamine         10.6         UG/L         U         U         10.6         1           Fluoranthene         1.1         UG/L         U         U         1.1         1           Fluorene         1.1         UG/L         U         U         1.1         1           Hexachlorobenzene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         10.6         1           Nontroso-di-n-propylamine         10.6         UG/L         U         U         10.6         1           Naphthalene         1.6         UG		Dimethyl phthalate	10.6 UG/L	υυ	10.6 1
Fluoranthene         1.1         UG/L         U         U         1.1         1           Fluorene         1.1         UG/L         U         U         1.1         1           Hexachlorobenzene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocethane         10.6         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         10.6         UG/L         U         U         10.6         1           N-Nitroso-di-n-propylamine         10.6         UG/L         U         U         10.6         1           Naphthalene         1.6         UG/L         U         U         10.6         1           Pentachlorophenol         10.6         UG/L		Diphenylamine	10.6 UG/L	υu	10.6 1
Fluorene         1.1         UG/L         U         U         1.1         1           Hexachlorobenzene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorochtane         10.6         UG/L         U         U         11.1         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         10.6         UG/L         U         U         10.6         1           Nitrobenzene         10.6         UG/L         U         U         10.6         1           Pentachlorophenol         10.6 <td< td=""><td></td><td>Fluoranthene</td><td>1.1 UG/L</td><td>Ū Ū</td><td>11 1</td></td<>		Fluoranthene	1.1 UG/L	Ū Ū	11 1
Hexachlorobenzene         10.6         UG/L         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorobutadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         10.6         UG/L         U         U         10.6         1           Nortroso-di-n-propylamine         10.6         UG/L         U         U         10.6         1           Naphthalene         1.6         UG/L         U         U         10.6         1           Phenol         10.6         UG/		Fluorene	1.1 UG/L	Ū Ū	11 1
Hexachlorobutadiene         10.6         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachlorocethane         10.6         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         10.6         1           Isophorone         10.6         UG/L         U         U         10.6         1           N-Nitroso-di-n-propylamine         10.6         UG/L         U         U         10.6         1           Naphthalene         1.6         UG/L         U         U         10.6         1           Nitrobenzene         10.6         UG/L         U         U         10.6         1           Phenol         10.6         UG/L         U         U         10.6         1           Pyrene         1.1         UG/L         U         U </td <td></td> <td>Hexachlorobenzene</td> <td>10.6 UG/L</td> <td>Ŭ Ŭ</td> <td>10.6 1</td>		Hexachlorobenzene	10.6 UG/L	Ŭ Ŭ	10.6 1
Hexachlorocyclopentadiene         10.6         UG/L         U         U         10.6         1           Hexachloroethane         10.6         UG/L         U         U         10.6         1           Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         1.1         1           Isophorone         10.6         UG/L         U         U         1.1         1           Isophorone         10.6         UG/L         U         U         10.6         1           N-Nitroso-di-n-propylamine         10.6         UG/L         U         U         10.6         1           Naphthalene         1.6         UG/L         U         U         10.6         1           Nitrobenzene         10.6         UG/L         U         U         10.6         1           Pentachlorophenol         10.6         UG/L         U         U         10.6         1           Phenol         10.6         UG/L         U         U         10.6         1           Pyrene         1.1         UG/L         U         U         10.6         1           Volatile Organic         General Engineering Laboratory         42.3         UG/		Hexachlorobutadiene	10.6 UG/L	ŭ ŭ	10.6 1
Hexachloroethane         10.6 UG/L         U         U         10.6 I           Indeno(1,2,3-cd)pyrene         1.1 UG/L         U         U         10.6 I           Isophorone         10.6 UG/L         U         U         1.1 I           Isophorone         10.6 UG/L         U         U         1.1 I           N-Nitroso-di-n-propylamine         10.6 UG/L         U         U         10.6 I           N-Nitroso-di-n-propylamine         1.6 UG/L         U         U         10.6 I           Naphthalene         1.6 UG/L         U         U         10.6 I           Naphthalene         1.6 UG/L         U         U         10.6 I           Pentachlorophenol         10.6 UG/L         U         U         10.6 I           Phenanthrene         1.1 UG/L         U         U         1.1 I           Phenol         10.6 UG/L         U         U         1.1 I           Pyrene         1.1 UG/L         U         U         1.1 I           Volatile Organic         General Engineering Laboratory         Image: State St		Hexachlorocyclopentadiene	10.6 UG/L	Ŭ Ü	10.6 1
Indeno(1,2,3-cd)pyrene         1.1         UG/L         U         U         1.1         1           Isophorone         10.6         UG/L         U         U         1.1         1           Isophorone         10.6         UG/L         U         U         10.6         1           N-Nitroso-di-n-propylamine         10.6         UG/L         U         U         10.6         1           Naphthalene         1.6         UG/L         U         U         10.6         1           Naphthalene         1.6         UG/L         U         U         10.6         1           Nitrobenzene         10.6         UG/L         U         U         10.6         1           Pentachlorophenol         10.6         UG/L         U         U         10.6         1           Phenol         10.6         UG/L         U         U         1.1         1           Pyrene         1.1         UG/L         U         U         1.1         1           Otatile Organic         General Engineering Laboratory         1.1         1         1         1           W846 3810         Methane         42.3         UG/L         =         20		Hexachloroethane	10.6 UG/L	Ŭ Ŭ	10.6 1
Isophorone       10.6 UG/L       U       10.6       1         N-Nitroso-di-n-propylamine       10.6 UG/L       U       U       10.6       1         N-Nitroso-di-n-propylamine       10.6 UG/L       U       U       10.6       1         Naphthalene       1.6 UG/L       =       1.1       1         Nitrobenzene       10.6 UG/L       U       U       10.6       1         Pentachlorophenol       10.6 UG/L       U       U       10.6       1         Phenanthrene       1.1 UG/L       U       U       10.6       1         Phenol       10.6 UG/L       U       U       10.6       1         Otatile Organic       General Engineering Laboratory       1.1       1       1         W846 3810       Methane       42.3 UG/L       =       20       1		Indeno(1,2,3-cd)pyrene	11 UG/	ŭ ŭ	11 4
N-Nitroso-di-n-propylamine         10.6         00/L         0         10.6         1           N-Nitroso-di-n-propylamine         10.6         UG/L         U         U         10.6         1           Naphthalene         1.6         UG/L         U         U         10.6         1           Naphthalene         1.6         UG/L         U         U         10.6         1           Nitrobenzene         10.6         UG/L         U         U         10.6         1           Pentachlorophenol         10.6         UG/L         U         U         10.6         1           Phenol         10.6         UG/L         U         U         1.1         1           Phenol         10.6         UG/L         U         U         1.1         1           Olatile Organic         General Engineering Laboratory         1.1         U         1.1         1           W846 3810         Methane         42.3         UG/L         =         20         1		Isophorone	10.6 UG/	U U	10.6 1
Naphthalene       1.6 UG/L       0       10.6       1         Naphthalene       1.6 UG/L       =       1.1       1         Nitrobenzene       10.6 UG/L       U       U       10.6       1         Pentachlorophenol       10.6 UG/L       U       U       10.6       1         Phenanthrene       1.1 UG/L       U       U       10.6       1         Phenol       10.6 UG/L       U       U       1.1       1         Pyrene       1.1 UG/L       U       U       10.6       1         Volatile Organic       General Engineering Laboratory       42.3 UG/L       =       20       1		N-Nitroso-di-n-propylamine	10.6 UG/L		10.6 1
International internatinternational internatinal international intern		Nanhthalene	16 UG/L	0 0	10.0 1
Visition         10.6		Nitrobenzene	10.6 UC/L		1.1 1
Permachiologhiendi         10.6 UG/L         U         U         10.6         1           Phenanthrene         1.1 UG/L         U         U         1.1         1           Phenol         10.6 UG/L         U         U         1.1         1           Phenol         10.6 UG/L         U         U         10.6         1           Pyrene         1.1 UG/L         U         U         1.1         1           Colatile Organic isses         General Engineering Laboratory         42.3 UG/L         =         20         1		Pentachlorophonal	10.0 UG/L	0 0	10.6 1
Interference         Interference<		Phenanthrana	10.0 UG/L	0 0	10.6 1
Initial         Initial <t< td=""><td></td><td>Phenol</td><td>1.1 UG/L</td><td>0 0</td><td>1.1 1</td></t<>		Phenol	1.1 UG/L	0 0	1.1 1
Colatile Organic     General Engineering Laboratory       Sases     42.3 UG/L		Pyrana	10.6 UG/L	0 0	10.6 1
W846 3810 Methane 42.3 UG/L = 20 1	/olatile Organic	General Engineering Laboratory	1.1 UG/L	0 0	1.1 1
W846 3810 Methane 42.3 UG/L = 20 1	Gases				
	W846 3810	Methane General Engineering Laboration	42.3 UG/L	=	20 1

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-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	5.5 UG/L		U F04,F07	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	Ū	Ŭ	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	Ŭ	1	1	
	trans-1,3-Dichloropropene	1 UG/L	U	Ū	1	1	
	Trichloroethene	1 UG/L	ú	U	1	1	
	Vinyl chloride	1 UG/L	Ú	U	1	1	
	Xylenes, Total	1 UG/L	U	U	1	1	

Station: 7J-MW-07

Station: 7J-MW-07			N Coord	lorthing: 68 System: G/	4315 483E	.2029 ast	Easting: 82 Method:	21556.6547
Station: 7J-M Sample ID: 7J47 Date Collected: 08/2	IW-07 74 0/2004 Field Sample	Media: Ground Type: Grab	water	Lab D	)ata \	Validation	Detection	
Analysis	Chemical	Result	Units	Qual C	Qual	Code	Limit	Dilution
Common Anions	General Engineering Laborat	ory						
EPA 300.0	Nitrate	0.1	MG/L	HU	UJ	A03	0.1	1
	Nitrite	0.1	MG/L	HU	UJ	A03,102	0.1	1
0 101 11	Sulfate	0.4	MG/L	U	U		0.4	1
General Chemistry	General Engineering Laborat	ory						
SM4500-CO2	Carbon Dioxide	181	MG/L		=		20	1
EPA 376.2	Sulfide	0.1	MG/L	U	UJ	102	0.1	1
Inorganics	General Engineering Laborat	ory						
SW846 6010	Iron	8930	UG/L	E	J	E07	4 37	1
Semi-Volatile Organics	General Engineering Laborat	ory	5					
SW846 8270C	1,2,4-Trichlorobenzene	12	UG/L	U	U		12	1
	1,2-Dichlorobenzene	1.7	UG/L	J	J		12	1
	1,3-Dichlorobenzene	12	UG/L	U	U		12	1
	1,4-Dichlorobenzene	12	UG/L	JB	U	F01,F06	12	1
	2,4,5-Trichlorophenol	12	UG/L	U	U		12	1
	2,4,6-Trichlorophenol	12	UG/L	U	U		12	1
	2,4-Dichlorophenol	12	UG/L	Ű	U		12	1

Station: 7J-MW-07 Sample ID: 7J4774 Date Collected: 08/20/2004

Media: Groundwater Field Sample Type: Grab

Lab Data Validation Detection Analysis Chemical **Result Units** Qual Qual Code Dilution Limit Semi-Volatile **General Engineering Laboratory** Organics SW846 8270C 2,4-Dimethylphenol 12 UG/L U υ 12 1 2,4-Dinitrophenol 24.1 UG/L U U 24.1 1 2,4-Dinitrotoluene 12 UG/L U υ 12 1 2,6-Dinitrotoluene 12 UG/L U U 12 1 2-Chloronaphthalene 1.2 UG/L υ υ 1.2 1 U υ 2-Chlorophenol 12 UG/L 12 1 2-Methyl-4,6-dinitrophenol 12 UG/L U U 12 1 2-Methylnaphthalene 2.8 UG/L = 1.2 1 2-Methylphenol 12 UG/L U U 12 1 2-Nitroaniline 12 UG/L U υ 12 1 2-Nitrophenol υ 12 UG/L U 12 1 3,3'-Dichlorobenzidine 12 UG/L U U 12 1 3-Nitroaniline 12 UG/L U U 12 1 4-Bromophenyl phenyl ether 12 UG/L U U 12 1 U 4-Chloro-3-methylphenol 12 UG/L υ 12 1 υ υ 4-Chloroaniline 12 UG/L 12 1 4-Chlorophenyl phenyl ether 12 UG/L U υ 12 1 4-Methylphenol 2.1 UG/L J J 12 1 4-Nitroaniline 12 UG/L U υ 12 1 4-Nitrophenol 12 UG/L U U 12 1 Acenaphthene 1.2 UG/L U υ 1.2 1 Acenaphthylene 1.2 UG/L υ U 1.2 1 Anthracene 1.2 UG/L U U 1.2 1 Benz(a)anthracene 1.2 UG/L U υ 1.2 1 Benzenemethanol 12 UG/L U U 12 1 U υ Benzo(a)pyrene 1.2 UG/L 1.2 1 Benzo(b)fluoranthene U U 1.2 UG/L 1.2 1 Benzo(ghi)perylene 1.2 UG/L υ U 1.2 1 Benzo(k)fluoranthene 1.2 UG/L U υ 1.2 1 Benzoic acid 24.1 UG/L U U 24.1 1 Bis(2-chloroethoxy)methane U 12 UG/L U 12 1 Bis(2-chloroethyl) ether 12 UG/L U U 12 1 Bis(2-Chloroisopropyl)Ether 12 UG/L U U 12 1 Bis(2-ethylhexyl)phthalate 1.8 UG/L J J 12 1 Butyl benzyl phthalate U 12 UG/L U 12 1 Carbazole 0.78 UG/L J J 12 1 U Chrysene 1.2 UG/L U 1.2 1 Di-n-butyl phthalate U 12 UG/L U 12 1 Di-n-octylphthalate 12 UG/L U U 12 1 U Dibenz(a,h)anthracene 1.2 UG/L U 1.2 1 Dibenzofuran 12 UG/L υ U 12 1 **Diethyl phthalate** 12 UG/L U U 12 1 **Dimethyl phthalate** 12 UG/L U υ 12 1 Diphenylamine 12 UG/L U U 12 1 Fluoranthene 1.2 UG/L U U 1.2 1 Fluorene U U 12 UG/ 1.2 1 Hexachlorobenzene U 12 UG/L U 12 1 Hexachlorobutadiene 12 UG/L U U 12 1 Hexachlorocyclopentadiene 12 UG/L υ U 12 1 Hexachloroethane 12 UG/L U U 12 1 Indeno(1,2,3-cd)pyrene 1.2 UG/L U U 1.2 1 Isophorone 12 UG/L U U 12 1 N-Nitroso-di-n-propylamine U 12 UG/L υ 12 1 Naphthalene 3.7 UG/L = 1.2 1 Nitrobenzene 12 UG/L U υ 12 1 Pentachlorophenol 12 UG/L U U 12 1

Station: 7J-MW-07 Sample ID: 7J4774 Date Collected: 08/20/2004

Media: Groundwater Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Limit	Dilution	
Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	Phenanthrene	1.2	UG/L	U	U		1.2	1	
	Phenol	12	UG/L	U	U		12	1	
	Pyrene	1.2	UG/L	U	U		1.2	1	
Volatile Organic Gases	General Engineering Laboratory								
SW846 3810	Methane	207	UG/L		=		20	1	
Volatile Organics	General Engineering Laboratory								
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-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	6.1	UG/L	В	U	F01.F07	5	1	
	Benzene	12.2	UG/L		=		1	1	
	Bromodichloromethane	1	UG/L	U	U		1	1	
	Bromoform	1	UG/L	U	Ū		1	1	
	Bromomethane	1	UG/L	Ū	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	Ŭ	U		1	1	
	Chloroform	1	UG/L	Ŭ	U		1	1	
	Chloromethane	1	UG/L	U	U		1	1	
	cis-1,3-Dichloropropene	1	UG/L	Ŭ	Ū		1	1	
	Dibromochloromethane	1	UG/L	U	Ŭ		1	1	
	Ethylbenzene	1.4	UG/L		=		1	1	
	Methylene chloride	5	UG/L	U	U		5	1	
	Styrene	1	UG/L	U	Ŭ		1	1	
	Tetrachloroethene	1	UG/L	ŭ	ŭ		1	1	
	Toluene	2.2	UG/L	č	u	F04,F07	1	1	
	trans-1.3-Dichloropropene	1	UG/L	U.	ŭ		1	1	
	Trichloroethene	1	UG/L	u u	ŭ		1	1	
	Vinyl chloride	1	UG/L	ŭ	ŭ		1	1	
	Xvlenes, Total	45	UG/I	0	=			1	

Station: 7J-MW-09				N Coord	lorthing: 6 System: G	84347 6A83E	.3714 ast	Easting: 821587.8497 Method:		
Station: 7J-I Sample ID: 7J4 Date Collected: 08/	MW-09 974 19/2004	Media: Field Sample Type:	Ground <sup>®</sup> Grab	water						
Analysis	Chemical		Result	Units	Lab Qual	Data \ Qual	/alidatio Code	n Detection Limit	Dilution	
<b>Common Anions</b>	General Eng	ineering Laboratory								
EPA 300.0	Nitrate		0.0341	MG/L	U	U		0.0341	1	
	Nitrite		0.0542	MG/L	U	U		0.0542	1	
	Sulfate		3.44	MG/L		=		0.193	1	

General Chemistry	General Engineering Laboratory								
SM4500-CO2	Carbon Dioxide	1	MG/L	U	U		1	1	
EPA 376.2	Sulfide	0.0248	MG/L	U	υ	0	0248	1	
Inorganics	General Engineering Laboratory								
SW846 6010	Iron	386	UG/L		=		4.37	1	
Semi-Volatile	General Engineering Laboratory								
Organics									
SW846 8270C	1,2,4-Trichlorobenzene	9.6	UG/L	U	U		9.6	1	
	1,2-Dichlorobenzene	9.6	UG/L	U	U		9.6	1	
	1,3-Dichlorobenzene	9.6	UG/L	U	U		9.6	1	
	1,4-Dichlorobenzene	9.6	UG/L	U	U		9.6	1	
	2,4,5-Trichlorophenol	9.6	UG/L	U	U		9.6	1	
	2,4,6-Trichlorophenol	9.6	UG/L	U	U		9.6	1	
	2,4-Dichlorophenol	9.6	UG/L	U	U		9.6	1	
	2,4-Dimethylphenol	9.6	UG/L	U	U		9.6	1	
	2,4-Dinitrophenol	19.2	UG/L	U	U		19.2	1	
	2,4-Dinitrotoluene	9.6	UG/L	U	U		9.6	1	
	2,6-Dinitrotoluene	9.6	UG/L	Ŭ	U		9.6	1	
	2-Chloronaphthalene	0.96	UG/L	Ŭ	Ŭ		0.96	1	
	2-Chlorophenol	9.6	UG/L	ŭ	ŭ		9.6	1	
	2-Methyl-4.6-dinitrophenol	9.6	UG/L	ŭ	ŭ		9.6	1	
	2-Methylnaphthalene	11.6	UG/L	0	=		0.06	1	
	2-Methylphenol	9.6	UG/L	11			0.50		
	2-Nitroaniline	9.6			ŭ		9.0	1	
	2-Nitrophenol	9.6		ŭ	ŭ		9.0	1	
	3 3'-Dichlorobenzidine	0.6		ŭ			9.0	1	
	3-Nitroaniline	0.6					9.0	1	
	4-Bromonhenvil phonyl other	9.0					9.6	1	
	4-biomophenyi phenyi ether	9.0	UG/L	0			9.6	1	
	4-Chloroopiline	9.0	UG/L	0			9.6	1	
	4-Chlorophond shared off as	9.0	UG/L	0	0		9.6	1	
	4-Chlorophenyl phenyl ether	9.6	UG/L	U	U		9.6	1	
		9.6	UG/L	U	U		9.6	1	
	4-Nitroaniline	9.6	UG/L	U	U		9.6	1	
	4-Nitrophenol	9.6	UG/L	U	U		9.6	1	
	Acenaphthene	0.56	UG/L	J	J		0.96	1	
	Acenaphthylene	0.96	UG/L	U	U		0.96	1	
	Anthracene	0.96	UG/L	U	U		0.96	1	
	Benz(a)anthracene	0.96	UG/L	U	U		0.96	1	
	Benzenemethanol	9.6	UG/L	U	U		9.6	1	
	Benzo(a)pyrene	0.96	UG/L	U	U		0.96	1	
	Benzo(b)fluoranthene	0.96	UG/L	U	U		0.96	1	
	Benzo(ghi)perylene	0.96	UG/L	U	U		0.96	1	
	Benzo(k)fluoranthene	0.96	UG/L	U	R	C04,C05	0.96	1	
	Benzoic acid	19.2	UG/L	U	U		19.2	1	
	Bis(2-chloroethoxy)methane	9.6	UG/L	U	U		9.6	1	
	Bis(2-chloroethyl) ether	9.6	UG/L	U	U		9.6	1	
	Bis(2-Chloroisopropyl)Ether	9.6	UG/L	U	U		9.6	1	
	Bis(2-ethylhexyl)phthalate	9.6	UG/L	U	U		9.6	1	
	Butyl benzyl phthalate	9.6	UG/L	U	U		9.6	1	
	Carbazole	2.6	UG/L	J	J		9.6	1	
	Chrysene	0.96	UG/L	U	U		0.96	1	
	Di-n-butyl phthalate	9.6	UG/L	U	U		9.6	1	
	Di-n-octylphthalate	9.6	UG/L	Ū	U		9.6	1	
	Dibenz(a,h)anthracene	0.96	UG/L	ŭ	U		0.96	1	
	Dibenzofuran	0.64	UG/L	.ĭ	J		9.6	1	
	Diethyl phthalate	9.6	UG/L	ŭ	ü		9.6	1	
	Dimethyl phthalate	9.6	UG/L	ü	ii		9.6	1	
	Diphenylamine	9.6	UG/L	ü	iii		9.6	1	
	Fluoranthene	0.96	UG/L	ŭ	ü		0.96	-	
	Fluorene	1.1	UG/L	0	=		0.96	1	
	Hexachlorobenzene	9.6	UG/L	11	ī		0.50		
	Hexachlorobutadiene	9.6	UG/L		ü		9.0		
		0.0	L	0	0		5.0		

Station: 7J-MW-09 Sample ID: 7J4974 Date Collected: 08/19/2004

Media: Groundwater Field Sample Type: Grab

Analysis	Chemical	Result Units		Lab D Qual C	ata	Validation	Detection	Dilution		
Semi-Volatile	General Engineering Laboratory		enne	uçuur u	uur	ooue	Linit	Directori	-	
SW846 8270C	Hexachlorocyclopentadiene	9.6	UG/L	U	U		9.6	1		
	Hexachloroethane	9.6	UG/L	ŭ	ŭ		9.6	1		
	Indeno(1,2,3-cd)pyrene	0.96	UG/L	ŭ	ŭ		0.96	1		
	Isophorope	9.6	UG/L	ŭ	ü		0.50	1		
	N-Nitroso-di-n-propylamine	9.6	UG/L	ŭ	ü		0.6	1		
	Nanhthalene	10.8		0	-		0.06	1		
	Nitrobenzene	0.6	UG/L		ū		0.90	1		
	Pentachlorophenol	9.0	UG/L				9.0	1		
	Phononthropo	5.0		0	-		9.0	1		
	Phonol	1.0	UG/L				0.90			
	Pireno	9.0	UG/L				9.0	1		
Valatila Ornania	Concerning Laboration	0.96	UG/L	U	U		0.96	1		
Gases	General Engineering Laboratory									
SW846 3810	Methane	231	UG/L		=		20	1		
Volatile Organics	General Engineering Laboratory						-			
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	υ		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-Dichloroethene	1	UG/L	U	U		1	1		
	1,2-Dichloropropane	1	UG/L	Ŭ	Ū		1	1		
	2-Butanone	5	UG/L	U	ū		5	1		
	2-Hexanone	5	UG/L	ŭ	ŭ		5	1		
	4-Methyl-2-pentanone	5	UG/L	ŭ	ũ		5	1		
	Acetone	5	UG/L		ŭ	E04 E06	5	1		
	Benzene	16.4	UG/L	5	-	1 04,1 00	1	1		
	Bromodichloromethane	10.4	UG/L				-	1		
	Bromoform		UG/L	ŭ	ü		1	1		
	Bromomethane			ŭ			1	1		
	Corbon digulfido		UG/L				-	1		
	Carbon totrachloride	5	UG/L	0			5	1		
	Chlorobonzono		UG/L	0			1	1		
	Chloroothana		UG/L	U U			1	1		
	Chloroform		UG/L	0				1		
	Chloroform	1	UG/L	U	0		1	1		
		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	0.86	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		=		1	1		
	trans-1,3-Dichloropropene	1	UG/L	U	U		1	1		
	Trichloroethene	1	UG/L	U	υ		1	1		
	Vinyl chloride	1	UG/L	U	U		1	1		
	Xylenes, Total	1.8	UG/L		=		1	1		
Station: 7J-MW-10				Coo	Northing: rd System:	21540.8005				
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Station: 7 Sample ID: 7 Date Collected: 0	J-MW-10 J4A74 8/20/2004 <b>Fiel</b> d	Media: Grou Sample Type: Grab	ndv	water						
Analysis	Chemical	Res	ult	Units	Qual	Qual	Code	Limit	Dilution	
Common Anions	General Engineering	Laboratory	-							_
EPA 300.0	Nitrate	0	).1	MG/L	н	J UJ	A03	01	1	
	Nitrite	0	).1	MG/L	н	JUJ	A03	0.1	1	
	Sulfate	C	).4	MG/L	U	U	.1065.00	0.4	1	
<b>General Chemistr</b>	y General Engineering	Laboratory								
SM4500-CO2	Carbon Dioxide		20	MG/L	U	U		20	1	
EPA 376.2	Sulfide	C	).1	MG/L	U	U		0.1	1	
Inorganics	General Engineering	Laboratory								
SW846 6010	Iron	30	90	UG/L	E	J	E07	4.37	1	
Semi-Volatile Organics	General Engineering	Laboratory								
SW846 8270C	1,2,4-Trichlorobenzene	e 11	1.1	UG/L	U	U		11.1	1	
	1,2-Dichlorobenzene	11	1.1	UG/L	U	U		11.1	1	
	1,3-Dichlorobenzene	11	1.1	UG/L	U	U		11.1	1	
	1,4-Dichlorobenzene	11	1.1	UG/L	JE	U	F01,F06	11.1	1	
	2,4,5-Trichlorophenol	11	1.1	UG/L	U	U		11.1	1	
	2,4,6-Trichlorophenol	11	1.1	UG/L	U	U		11.1	1	
	2,4-Dichlorophenol	11	1.1	UG/L	U	U		11.1	1	
	2,4-Dimethylphenol	11	1.1	UG/L	U	U		11.1	1	
	2,4-Dinitrophenol	22	2.2	UG/L	U	U		22.2	1	
	2,4-Dinitrotoluene	11	.1	UG/L	U	U		11.1	1	
	2,6-Dinitrotoluene	11	.1	UG/L	U	U		11.1	1	
	2-Chloronaphthalene	1	.1	UG/L	U	U		1.1	1	
	2-Chiorophenol	11	.1	UG/L	U	U		11.1	1	
	2-Methyleaphtheleap	enol 11	.1	UG/L	U	U		11.1	1	
	2-Methylaborol	6	.4	UG/L				1.1	1	
	2-Methylphenol	11	.1	UG/L	0			11.1	1	
	2-Nitrophenol	11		UG/L	0			11.1	1	
	3 3'-Dichlorobenzidine	11	1.1	UG/L	0			11.1	1	
	3-Nitroaniline	11	1	UG/L	0			11.1	1	
	4-Bromonhenyl nhenyl	lether 11	1	UG/L	0			11.1	1	
	4-Chloro-3-methylphenyl	nol 11	1	UG/L				11.1	1	
	4-Chloroaniline	11	1	UG/L	0			11.1		
	4-Chlorophenyl phenyl	lether 11	1	UG/L	U	ü		11.1		
	4-Methylphenol	11	1	UG/L	ŭ	ŭ		11.1	1	
	4-Nitroaniline	11	1.1	UG/L	ŭ	ŭ		11.1	1	
	4-Nitrophenol	11	.1	UG/L	Ŭ	ŭ		11.1	1	
	Acenaphthene	1	.1	UG/L	Ŭ	ŭ		1.1	1	
	Acenaphthylene	1	.1	UG/L	Ŭ	Ŭ		1.1	1	
	Anthracene	1	.1	UG/L	Ū	U		1.1	1	
	Benz(a)anthracene	1	.1	UG/L	U	U		1.1	1	
	Benzenemethanol	11	.1	UG/L	U	U		11.1	1	
	Benzo(a)pyrene	1	.1	UG/L	U	U		1.1	1	
	Benzo(b)fluoranthene	1	.1	UG/L	U	U		1.1	1	
	Benzo(ghi)perylene	1	.1	UG/L	U	U		1.1	1	
	Benzo(k)fluoranthene	1	.1	UG/L	U	U		1.1	1	
	Benzoic acid	22	2.2	UG/L	U	U		22.2	1	
	Bis(2-chloroethoxy)me	thane 11	.1	UG/L	U	U		11.1	1	
	Bis(2-chloroethyl) ethe	r 11	.1	UG/L	U	U		11.1	1	
	Bis(2-Chloroisopropyl)	Ether 11	.1	UG/L	U	U		11.1	1	
	Bis(2-ethylhexyl)phtha	late 11	.1	UG/L	U	U		11.1	1	
	Butyl benzyl phthalate	11	.1	UG/L	U	U		11.1	1	
	Carbazole	1	.1	UG/L	J	J		11.1	1	

Station: 7J-MW-10 Sample ID: 7J4A74 Date Collected: 08/20/2004

Media: Groundwater

Field Sample Type: Grab Lab Data Validation Detection Analysis Chemical Qual Qual Code **Result Units** Dilution Limit Semi-Volatile **General Engineering Laboratory** Organics SW846 8270C Chrysene 1.1 UG/L U υ 1.1 1 Di-n-butyl phthalate 11.1 UG/L U U 11.1 1 Di-n-octylphthalate 11.1 UG/L U υ 11.1 1 Dibenz(a,h)anthracene 1.1 UG/L U υ 1.1 1 Dibenzofuran 11.1 UG/L U υ 11.1 1 **Diethyl phthalate** 11.1 UG/L υ U 11.1 1 **Dimethyl phthalate** 11.1 UG/L U U 11.1 1 Diphenylamine U 11.1 UG/L υ 11.1 1 Fluoranthene 1.1 UG/L U υ 1.1 1 Fluorene 0.58 UG/L J J 1.1 1 Hexachlorobenzene 11.1 UG/L U U 11.1 1 Hexachlorobutadiene 11.1 UG/L U U 11.1 1 Hexachlorocyclopentadiene 11.1 UG/L U υ 11.1 1 Hexachloroethane 11.1 UG/L U U 11.1 1 Indeno(1,2,3-cd)pyrene 1.1 UG/L υ υ 1.1 1 Isophorone υ U 11.1 UG/L 11.1 1 N-Nitroso-di-n-propylamine 11.1 UG/L U υ 11.1 1 Naphthalene 4.6 UG/L = 1.1 1 Nitrobenzene U 11.1 UG/L U 11.1 1 Pentachlorophenol 11.1 UG/L υ U 11.1 1 Phenanthrene 0.84 UG/L J J 1.1 1 Phenol 11.1 UG/L υ υ 11.1 1 Pyrene 1.1 UG/L U υ 1.1 1 **Volatile Organic** General Engineering Laboratory Gases SW846 3810 Methane 150 UG/L = 20 1 **Volatile Organics General Engineering Laboratory** SW846 8260B 1,1,1-Trichloroethane 1 UG/L U U 1 1 1 UG/L 1,1,2,2-Tetrachloroethane U U 1 1 1,1,2-Trichloroethane 1 UG/L U U 1 1 1,1-Dichloroethane 1 UG/L U υ 1 1 1,1-Dichloroethene 1 UG/L U υ 1 1 1,2-Dichloroethane U 1 UG/L υ 1 1 1,2-Dichloroethene υ 1 UG/L υ 1 1 1,2-Dichloropropane 1 UG/L U υ 1 1 2-Butanone 5 UG/L U U 5 1 2-Hexanone 5 UG/L U υ 5 1 4-Methyl-2-pentanone U 5 UG/L υ 5 1 Acetone 7 UG/L в υ F01,F07 5 1 Benzene 3.4 UG/L = 1 1 Bromodichloromethane 1 UG/L U U 1 1 1 UG/L Bromoform U U 1 1 Bromomethane U 1 UG/L U 1 1 Carbon disulfide 5 UG/L U U 5 1 Carbon tetrachloride 1 UG/L υ υ 1 1 Chlorobenzene 1 UG/L U υ 1 1 Chloroethane 1 UG/L U U 1 1 Chloroform U 1 UG/L U 1 1 Chloromethane 1 UG/L U υ 1 1 cis-1,3-Dichloropropene 1 UG/L υ U 1 1 Dibromochloromethane 1 UG/L U υ 1 1 Ethylbenzene 1.4 UG/L = 1 1 Methylene chloride U 5 UG/L U 5 1 Styrene 1 UG/L υ υ 1 1 Tetrachloroethene υ 1 UG/L U 1 1 Toluene 2.7 UG/L υ F04,F07 1 1

SW846 8260B	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	5.8	UG/L		=	1	1	

Station: 7J-MW-14			Northing:	584278 8	3.6255	Easting: 82			
			Coo	ord System:	GA83E	ast	Method:		
Station: 7J-M Sample ID: 7J4E Date Collected: 08/20	W-14 74 Med 0/2004 Field Sample Ty	ia: Groundv	vater			l.			
Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection	Dilution	
Common Anions	General Engineering Laboratory								
EPA 300.0	Nitrate	0.1	MG/L	HL	J UJ	A03	0.1	1	
	Nitrite	0.1	MG/L	HL	J UJ	A03	0.1	1	
	Sulfate	0.4	MG/L		=		0.4	1	
<b>General Chemistry</b>	General Engineering Laboratory								
SM4500-CO2	Carbon Dioxide	20	MG/L	U	U		20	1	
EPA 376.2	Sulfide	0.1	MG/L	U	U		0.1	1	
Inorganics	General Engineering Laboratory								
SW846 6010	Iron	1470	UG/L	E	J	E07	4.37	1	
Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	1,2,4-Trichlorobenzene	10.5	UG/L	U	U		10.5	1	
	1,2-Dichlorobenzene	10.5	UG/L	U	U		10.5	1	
	1,3-Dichlorobenzene	10.5	UG/L	U	U		10.5	1	
	1,4-Dichlorobenzene	10.5	UG/L	JB	U	F01,F06	10.5	1	
	2,4,5-Trichlorophenol	10.5	UG/L	U	U		10.5	1	
	2,4,6-Trichlorophenol	10.5	UG/L	U	U		10.5	1	
	2,4-Dichlorophenol	10.5	UG/L	U	U		10.5	1	
	2,4-Dimethylphenol	10.5	UG/L	U	U		10.5	1	
	2,4-Dinitrophenol	21	UG/L	U	U		21	1	
	2,4-Dinitrotoluene	10.5	UG/L	U	U		10.5	1	
	2,6-Dinitrotoluene	10.5	UG/L	U	U		10.5	1	
	2-Chloronaphthalene	1	UG/L	U	U		1	1	
	2-Chlorophenol	10.5	UG/L	U	U		10.5	1	
	2-Methyl-4,6-dinitrophenol	10.5	UG/L	U	U		10.5	1	
	2-Methylnaphthalene	25.5	UG/L		=		1	1	
	2-Methylphenol	10.5	UG/L	U	U		10.5	1	
	2-Nitroaniline	10.5	UG/L	U	U		10.5	1	
	2-Nitrophenol	10.5	UG/L	U	U		10.5	1	
	3,3'-Dichlorobenzidine	10.5	UG/L	U	U		10.5	1	
	3-Nitroaniline	10.5	UG/L	U	U		10.5	1	
	4-Bromophenyl phenyl ether	10.5	UG/L	U	U		10.5	1	
	4-Chloro-3-methylphenol	10.5	UG/L	U	U		10.5	1	
	4-Chloroaniline	10.5	UG/L	υ	U		10.5	1	
	4-Chlorophenyl phenyl ether	10.5	UG/L	U	U		10.5	1	
	4-Methylphenol	10.5	UG/L	U	U		10.5	1	
	4-Nitroaniline	10.5	UG/L	U	U		10.5	1	
	4-Nitrophenol	10.5	UG/L	U	U		10.5	1	
	Acenaphthene	1	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	10.5	UG/L	U	U		10.5	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	

Station: 7J-MW-14 Sample ID: 7J4E74 Date Collected: 08/20/2004

Media: Groundwater Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution	
Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	Benzo(k)fluoranthene	1	UG/L	U	U		1	1	
	Benzoic acid	21	UG/L	U	U		21	1	
	Bis(2-chloroethoxy)methane	10.5	UG/L	U	U		10.5	1	
	Bis(2-chloroethyl) ether	10.5	UG/L	U	U		10.5	1	
	Bis(2-Chloroisopropyl)Ether	10.5	UG/L	U	U		10.5	1	
	Bis(2-ethylhexyl)phthalate	10.5	UG/L	U	υ		10.5	1	
	Butyl benzyl phthalate	10.5	UG/L	U	U		10.5	1	
	Carbazole	3.1	UG/L	J	J		10.5	1	
	Chrysene	1	UG/L	U	U		1	1	
	Di-n-butyl phthalate	10.5	UG/L	U	U		10.5	1	
	Di-n-octylphthalate	10.5	UG/L	U	U		10.5	1	
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1	
	Dibenzofuran	1.4	UG/L	J	J		10.5	1	
	Diethyl phthalate	10.5	UG/L	U	U		10.5	1	
	Dimethyl phthalate	10.5	UG/L	U	U		10.5	1	
	Diphenylamine	10.5	UG/L	U	U		10.5	1	
	Fluoranthene	1	UG/L	U	U		1	1	
	Fluorene	2.6	UG/L		=		1	1	
	Hexachlorobenzene	10.5	UG/L	U	U		10.5	1	
	Hexachlorobutadiene	10.5	UG/L	U	U		10.5	1	
	Hexachlorocyclopentadiene	10.5	UG/L	U	U		10.5	1	
	Hexachloroethane	10.5	UG/L	Ŭ	U		10.5	1	
	Indeno(1,2,3-cd)pyrene	1	UG/L	Ŭ	Ŭ		1	1	
	Isophorone	10.5	UG/L	ŭ	ŭ		10.5	1	
	N-Nitroso-di-n-propylamine	10.5	UG/L	ŭ	ŭ		10.5	1	
	Nanhthalene	43	UG/L		=		1	1	
	Nitrobenzene	10.5	UG/L	u	U		10.5	1	
	Pentachlorophenol	10.5	UG/L	Ŭ	ŭ		10.5	1	
	Phononthropo	33	UG/L	0	-		10.0		
	Phenol	10.5	UG/L	11	n.		10.5	1	
	Piterio	10.5	UG/L	ŭ	ü		10.5	1	
Volatile Organic	General Engineering Laboratory		UGIL	0	0				
Gases	General Engineering Laboratory								
SW846 3810	Methane	166	UG/L		=		20	1	
Volatile Organics	General Engineering Laboratory								
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-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	6.2	UG/L	В	U	F01,F07	5	1	
	Benzene	. 42.9	UG/L		=		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	

SW846 8260B	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	0.76	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	J	U F04,F06	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	10.8	UG/L		=	1	1	-

Station: 7J-MW-15		-	Coor	Northing: 6 d System: 0	84344 6A83E	ast	Easting: 821633.6974 Method:	
Station: 7J-M Sample ID: 7J4F Date Collected: 08/20	W-15 74 Media: 0/2004 Field Sample Type:	Ground Grab	water	Lab	Data	Validation	Detection	Dilution
Analysis	Chemical	Result	Units	Qual	Qual	Code	Limit	Dilution
Common Anions	General Engineering Laboratory							
EPA 300.0	Nitrate	0.1	MG/L	HU	UJ	A03	0.1	1
	Nitrite	0.1	MG/L	HU	UJ	A03	0.1	1
	Sulfate	0.4	MG/L	J	J		0.4	1
General Chemistry	General Engineering Laboratory							
SM4500-CO2	Carbon Dioxide	20	MG/L	U	U		20	1
EPA 376.2	Sulfide	0.1	MG/L	U	U		0.1	1
Inorganics	General Engineering Laboratory							
SW846 6010	Iron	393	UG/L	E	J	E07	4.37	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	10.5	UG/L	U	U		10.5	1
	1,2-Dichlorobenzene	10.5	UG/L	U	U		10.5	1
	1,3-Dichlorobenzene	10.5	UG/L	U	U		10.5	1
	1,4-Dichlorobenzene	10.5	UG/L	JB	U	F01,F06	10.5	1
	2,4,5-Trichlorophenol	10.5	UG/L	U	U		10.5	1
	2,4,6-Trichlorophenol	10.5	UG/L	U	U		10.5	1
	2,4-Dichlorophenol	10.5	UG/L	U	U		10.5	1
	2,4-Dimethylphenol	10.5	UG/L	U	U		10.5	1
	2,4-Dinitrophenol	21	UG/L	U	U		21	1
	2.4-Dinitrotoluene	10.5	UG/L	U	U		10.5	1
	2.6-Dinitrotoluene	10.5	UG/L	U	U		10.5	1
	2-Chloronaphthalene	1	UG/L	U	U		1	1
	2-Chlorophenol	10.5	UG/L	U	Ű		10.5	1
	2-Methyl-4.6-dinitrophenol	10.5	UG/L	Ŭ	Ū		10.5	1
	2-Methylnaphthalene	1.2	UG/L		=		1	1
	2-Methylphenol	10.5	UG/L	U	U		10.5	1
	2-Nitroaniline	10.5	UG/L	U	U		10.5	1
	2-Nitrophenol	10.5	UG/L	Ŭ	Ŭ		10.5	1
	3,3'-Dichlorobenzidine	10.5	UG/L	Ŭ	Ű		10.5	1
	3-Nitroaniline	10.5	UG/L	Ū	Ű		10.5	1
	4-Bromophenyl phenyl ether	10.5	UG/L	Ŭ	Ŭ		10.5	1
	4-Chloro-3-methylphenol	10.5	UG/L	Ŭ	Ŭ		10.5	1
	4-Chloroaniline	10.5	UG/L	Ŭ	Ŭ		10.5	1
	4-Chlorophenyl phenyl ether	10.5	UG/L	Ŭ	Ű		10.5	1
	4-Methylphenol	10.5	UG/L	ŭ	U		10.5	1
	4-Nitroaniline	10.5	UG/L	Ŭ	U		10.5	1
	4-Nitrophenol	10.5	UG/L	ũ	Ŭ		10.5	1
	Acenaphthene	1	UG/I	ũ	ũ		1	1

Station: 7J-MW-15 Sample ID: 7J4F74 Date Collected: 08/20/2004

Media: Groundwater Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data V Qual	/alidation Code	Detection Limit	Dilution	-
Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	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	10.5	UG/L	U	U		10.5	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	21	UG/L	U	U		21	1	
	Bis(2-chloroethoxy)methane	10.5	UG/L	U	U		10.5	1	
	Bis(2-chloroethyl) ether	10.5	UG/L	U	U		10.5	1	
	Bis(2-Chloroisopropyl)Ether	10.5	UG/L	U	U		10.5	1	
	Bis(2-ethylhexyl)phthalate	10.5	UG/L	U	U		10.5	1	
	Butyl benzyl phthalate	10.5	UG/L	U	U		10.5	1	
	Carbazole	10.5	UG/L	U	U		10.5	1	
	Chrysene	1	UG/L	U	U		1	1	
	Di-n-butyl phthalate	10.5	UG/L	U	U		10.5	1	
	Di-n-octylphthalate	10.5	UG/L	U	U		10.5	1	
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1	
	Dibenzofuran	10.5	UG/L	U	U		10.5	1	
	Diethyl phthalate	10.5	UG/L	U	U		10.5	1	
	Dimethyl phthalate	10.5	UG/L	U	U		10.5	1	
	Diphenylamine	10.5	UG/L	U	U		10.5	1	
	Fluoranthene	1	UG/L	ū	Ŭ		1	1	
	Fluorene	1	UG/L	ũ	ŭ		1	1	
	Hexachlorobenzene	10.5	UG/L	ŭ	ŭ		10.5	i	
	Hexachlorobutadiene	10.5	UG/L	ŭ	ŭ		10.5	1	
	Hexachlorocyclopentadiene	10.5	UG/L	ŭ	ŭ		10.5	1	
	Hexachloroethane	10.5	UG/L		ŭ		10.5	4	
	Indeno(1.2.3-cd)nyrene	10.0	UG/L	ŭ	ŭ		10.0	i	
	Isophorone	10.5	UGI		ŭ		10.5	1	
	N-Nitroso-di-n-propylamine	10.5		ŭ	ŭ		10.5	4	
	Nanhthalene	4 1	UG/L	0	-		10.5	1	
	Nitrobenzene	10.5	UG/L	10	- ū		10.5	-	
	Bentachlorenhenel	10.5			ŭ		10.5	1	
	Pentachiorophenoi	10.5	UGIL				10.5	-	
	Phenol	10 5					10 5	1	
	Pireno	10.5	UG/L		ŭ		10.5		
Volatile Organic Gases	General Engineering Laboratory	,	00/2		0				
SW846 3810	Methane	48.8	UG/L		=		20	1	
Volatile Organics	General Engineering Laboratory								
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	Ŭ	Ū		1	1	
	1,2-Dichloroethene	1	UG/L	ŭ	Ū		1	1	
	1,2-Dichloropropane	1	UG/L	ŭ	u u		1	1	
	2-Butanone	5	UG/L	ŭ	U U		5	1	
	2-Hexanone	5	UG/L	Ŭ.	ı ŭ		5	1	
	4-Methyl-2-pentanone	5	UG/L	ŭ	i ŭ		5	1	
	Acetone	59	UG/I	B	U U	F01 F07	5	1	
	Benzene	1	UG/L		U U		1	1	
	Bromodichloromethane	1	UG/L	ŭ	U U		1	1	

SW846 8260B	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	J	U F04,F06	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	7.8 UG/L	1013	=	1	1

Station: 7J-MW-16

Northing: 684231.1668 8

Coord System: GA83East

Method:

Easting: 821565.7414

Station: 7J-M Sample ID: 7J40 Date Collected: 08/19	W-16 374 9/2004 Field Sampl	Media: Groundw e Type: Grab	ater	Lab	Data \	Validation Detection		
Analysis	Chemical	Result	Units	Qual	Qual	Code Limit	Dilution	-
Common Anions	General Engineering Labora	tory						
EPA 300.0	Nitrate	0.0341	MG/L	U	U	0.0341	1	
	Nitrite	0.0542	MG/L	U	U	0.0542	1	
	Sulfate	8.21	MG/L		=	0.193	1	
General Chemistry	General Engineering Labora	tory						
SM4500-CO2	Carbon Dioxide	211	MG/L		=	1	1	
EPA 376.2	Sulfide	0.0248	MG/L	U	U	0.0248	1	
Inorganics	General Engineering Labora	tory						
SW846 6010	Iron	185	UG/L		=	4.37	1	
Semi-Volatile Organics	General Engineering Labora	tory						
SW846 8270C	1,2,4-Trichlorobenzene	10.6	UG/L	U	U	10.6	1	
	1,2-Dichlorobenzene	10.6	UG/L	U	U	10.6	1	
	1,3-Dichlorobenzene	10.6	UG/L	U	-U	10.6	1	
	1,4-Dichlorobenzene	10.6	UG/L	U	U	10.6	1	
	2,4,5-Trichlorophenol	10.6	UG/L	U	U	10.6	1	
	2,4,6-Trichlorophenol	10.6	UG/L	U	U	10.6	1	
	2,4-Dichlorophenol	10.6	UG/L	U	U	10.6	1	
	2,4-Dimethylphenol	10.6	UG/L	U	U	10.6	1	
	2,4-Dinitrophenol	21.3	UG/L	U	U	21.3	1	
	2,4-Dinitrotoluene	10.6	UG/L	U	U	10.6	1	
	2,6-Dinitrotoluene	10.6	UG/L	U	U	10.6	1	
	2-Chloronaphthalene	1.1	UG/L	U	U	1.1	1	
	2-Chlorophenol	10.6	UG/L	U	U	10.6	1	
	2-Methyl-4,6-dinitrophenol	10.6	UG/L	U	U	10.6	1	
	2-Methylnaphthalene	1.1	UG/L	U	U	1.1	1	
	2-Methylphenol	10.6	UG/L	U	U	10.6	1	
	2-Nitroaniline	10.6	UG/L	U	U	10.6	1	
	2-Nitrophenol	10.6	UG/L	U	U	10.6	1	
	3,3'-Dichlorobenzidine	10.6	UG/L	U	U	10.6	1	
	3-Nitroaniline	10.6	UG/L	U	U	10.6	1	

Station: 7J-MW-16 Sample ID: 7J4G74 Date Collected: 08/19/2004

Media: Groundwater Field Sample Type: Grab

Analysis	Chemical	Result Ur	nits	Lab Qual	Data V Qual	alidation Code	Detection Limit	Dilution	
Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	4-Bromophenyl phenyl ether	10.6 U	G/L	U	υ		10.6	1	
	4-Chloro-3-methylphenol	10.6 U	G/L	U	U		10.6	1	
	4-Chloroaniline	10.6 U	G/L	υ	U		10.6	1	
	4-Chlorophenyl phenyl ether	10.6 U	G/L	U	U		10.6	1	
	4-Methylphenol	10.6 U	G/L	U	U		10.6	1	
	4-Nitroaniline	10.6 U	G/L	U	U		10.6	1	
	4-Nitrophenol	10.6 U	G/L	U	U		10.6	1	
	Acenaphthene	1.1 U	G/L	U	U		1.1	1	
	Acenaphthylene	1.1 U	G/L	U	U		1.1	1	
	Anthracene	1.1 U	G/L	U	U		1.1	1	
	Benz(a)anthracene	1.1 U	G/L	U	U		1.1	1	
	Benzenemethanol	10.6 U	G/L	U	U		10.6	1	
	Benzo(a)pyrene	1.1 U	G/L	U	U		1.1	1	
	Benzo(b)fluoranthene	1.1 U	G/L	U	U		1.1	1	
	Benzo(ghi)pervlene	1.1 U	G/L	U	U		1.1	1	
	Benzo(k)fluoranthene	1.1 U	G/L	U	υ		1.1	1	
	Benzoic acid	21.3 U	G/L	U	Ū		21.3	1	
	Bis(2-chloroethoxy)methane	10.6 U	G/L	U	U		10.6	1	
	Bis(2-chloroethyl) ether	10.6 U	G/L	Ŭ	U		10.6	1	
	Bis(2-Chloroisopropyl)Ether	10.6 U	G/L	Ŭ	ŭ		10.6	1	
	Bis(2-ethylbexyl)phthalate	2 11	G/L	. J	J		10.6	1	
	Butyl benzyl obthalate	10.6 10	G/L	ŭ	ŭ		10.6	1	
	Carbazole	10.6 10	G/L	ŭ	ŭ		10.6	1	
	Chrysene	11 11	G/L	ŭ	ŭ		1 1	1	
	Din butyl obthalate	10.6 10	G/L	ŭ	ŭ		10.6	1	
	Di-n-octylephthalate	10.6 10	G/L		U U		10.6	-	
	Di-n-ocyphilialate	11.0	G/L				1 1	-	
	Dibenzefuren	10.6 11	G/L		ŭ		10.6	1	
	Dipenzoluran	10.6 0	G/L				10.6	1	
	Directly intralate	10.6 0	G/L				10.6	4	
	Dimetnyi prinalate	10.6 0	G/L				10.6		
	Dipnenylamine	10.6 0	G/L	0			10.6	1	
	Fluoranthene	1.1 0	G/L	0			1.1	1	
	Fluorene	1.1 U	G/L	0			1.1	1	
	Hexachlorobenzene	10.6 U	G/L	0	0		10.6	1	
	Hexachlorobutadiene	10.6 U	G/L	U	U		10.6	1	
	Hexachlorocyclopentadiene	10.6 U	G/L	U	U		10.6	1	
	Hexachloroethane	10.6 U	G/L	U	U		10.6	1	
	Indeno(1,2,3-cd)pyrene	1.1 U	IG/L	U	U		1.1	1	
	Isophorone	10.6 U	IG/L	U	U		10.6	1	
	N-Nitroso-di-n-propylamine	10.6 U	IG/L	U	U		10.6	1	
	Naphthalene	1.1 U	IG/L	U	U		1.1	1	
	Nitrobenzene	10.6 U	IG/L	U	U		10.6	1	
	Pentachlorophenol	10.6 U	IG/L	U	U		10.6	1	
	Phenanthrene	1.1 U	IG/L	U	U		1.1	1	
	Phenol	10.6 U	IG/L	U	U		10.6	1	
	Pyrene	1.1 U	IG/L	U	U		1.1	1	
Volatile Organic Gases	General Engineering Laboratory								
SW846 3810	Methane	20 U	IG/L	U	U		20	1	
Volatile Organics	General Engineering Laboratory								
SW846 8260B	1,1,1-Trichloroethane	1 U	IG/L	U	U		1	1	
	1,1,2,2-Tetrachloroethane	1 U	IG/L	U	U		1	1	
	1,1,2-Trichloroethane	1 U	IG/L	U	U		1	1	
	1,1-Dichloroethane	1 U	IG/L	U	U		1	1	
	1,1-Dichloroethene	1 U	JG/L	U	U		1	1	
	1,2-Dichloroethane	1 U	JG/L	U	U		1	1	

SW846 8260B	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	7.5 UG/L		U F04,F07	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-1,3-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	0.52 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	1 UG/L	U	U	1	1	

Station: 7J-MW-17			۱ Coord	Northing: 6 3 System: G	84226 A83E	.5515 ast	Easting: 8 8 Method:	21612.2886	
Station: 7J-M Sample ID: 7J4H Date Collected: 08/20	W-17 174 Me 0/2004 Field Sample T	<b>dia:</b> Groundwa ype: Grab	iter	Lab	Data \	/alidation	Detection	states to	
Analysis	Chemical	Result U	nits	Qual	Qual	Code	Limit	Dilution	_
Common Anions	General Engineering Laborator	у							
EPA 300.0	Nitrate	0.1 N	IG/L	HU	UJ	A03	0.1	1	
	Nitrite	0.1 N	IG/L	HU	UJ	A03	0.1	1	
	Sulfate	8.39 N	1G/L		=		0.4	1	
<b>General Chemistry</b>	General Engineering Laborator	у							_
SM4500-CO2	Carbon Dioxide	315 N	IG/L		=		20	1	
EPA 376.2	Sulfide	0.1 N	IG/L	U	U		0.1	1	
Inorganics	General Engineering Laborator	у							
SW846 6010	Iron	128 L	IG/L	E	J	E07	4.37	1	
Semi-Volatile Organics	General Engineering Laborator	У							
SW846 8270C	1,2,4-Trichlorobenzene	10.5 L	JG/L	U	U		10.5	1	
	1,2-Dichlorobenzene	10.5 L	JG/L	U	U		10.5	1	
	1,3-Dichlorobenzene	10.5 L	JG/L	U	U		10.5	1	
	1,4-Dichlorobenzene	10.5 L	JG/L	JB	U	F01,F06	10.5	1	
	2,4,5-Trichlorophenol	10.5 L	JG/L	U	U		10.5	1	
	2,4,6-Trichlorophenol	10.5 L	JG/L	U	U		10.5	1	
	2,4-Dichlorophenol	10.5 L	JG/L	U	U		10.5	1	
	2,4-Dimethylphenol	10.5 L	JG/L	U	U		10.5	1	
	2,4-Dinitrophenol	21 L	JG/L	U	U		21	1	
	2,4-Dinitrotoluene	10.5 L	JG/L	U	U		10.5	1	
	2,6-Dinitrotoluene	10.5 L	JG/L	U	U		10.5	1	
	2-Chloronaphthalene	1 L	JG/L	U	U		1	1	

Station: 7J-MW-17 Sample ID: 7J4H74 Date Collected: 08/20/2004

Media: Groundwater Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution	
Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	2-Chlorophenol	10.5	UG/L	U	U		10.5	1	
	2-Methyl-4,6-dinitrophenol	10.5	UG/L	U	U		10.5	1	
	2-Methylnaphthalene	1	UG/L	U	U		1	1	
	2-Methylphenol	10.5	UG/L	U	U		10.5	1	
	2-Nitroaniline	10.5	UG/L	U	U		10.5	1	
	2-Nitrophenol	10.5	UG/L	U	U		10.5	1	
	3,3'-Dichlorobenzidine	10.5	UG/L	U	U		10.5	1	
	3-Nitroaniline	10.5	UG/L	U	U		10.5	1	
	4-Bromophenyl phenyl ether	10.5	UG/L	U	U		10.5	1	
	4-Chloro-3-methylphenol	10.5	UG/L	U	U		10.5	1	
	4-Chloroaniline	10.5	UG/L	U	U		10.5	1	
	4-Chlorophenyl phenyl ether	10.5	UG/L	U	U		10.5	1	
	4-Methylphenol	10.5	UG/L	U	U		10.5	1	
	4-Nitroaniline	10.5	UG/L	U	U		10.5	1	
	4-Nitrophenol	10.5	UG/L	U	U		10.5	1	
	Acenaphthene	1	UG/L	U	U		1	1	
	Acenaphthylene	1	UG/L	U	U		1	1	
	Anthracene	1	UG/L	Ŭ	Ŭ		1	1	
	Benz(a)anthracene	1	UG/L	ŭ	Ŭ		1	1	
	Benzenemethanol	10.5	UG/L	ŭ	ŭ		10.5	1	
	Benzo(a)pyrepe	10.0	UG/I	u u	ŭ		10.0	i	
	Benzo(b)fluoranthene		UG/L	ŭ	u.		1	i	
	Benzo(abi)nervlene	4	UG/L		ŭ		1	1	
	Benzo(k)fluoranthene	-						1	
	Benzolo sold	21	UG/L				21	1	
	Benzoic acid	10.5	UG/L				10.5	1	
	Bis(2-chloroethoxy)methane	10.5	UG/L				10.5	1	
	Bis(2-chloroethyl) ether	10.5	UG/L				10.5	1	
	Bis(2-Chioroisopropyi)Ether	10.5	UG/L				10.5		
	Bis(2-ethylnexyl)phthalate	10.5	UG/L	0			10.5	1	
	Butyl benzyl phthalate	10.5	UG/L	0	0		10.5	1	
	Carbazole	10.5	UG/L	0	U		10.5	1	
	Chrysene	1	UG/L	0	0		1	1	
	Di-n-butyl phthalate	10.5	UG/L	U	U		10.5	1	
	Di-n-octylphthalate	10.5	UG/L	U	U		10.5	1	
	Dibenz(a,h)anthracene	1	UG/L	U	U		1	1	
	Dibenzofuran	10.5	UG/L	U	U		10.5	1	
	Diethyl phthalate	10.5	UG/L	U	U		10.5	1	
	Dimethyl phthalate	10.5	UG/L	U	U		10.5	1	
	Diphenylamine	10.5	UG/L	U	U		10.5	1	
	Fluoranthene	1	UG/L	U	U		1	1	
	Fluorene	1	UG/L	U	U		1	1	
	Hexachlorobenzene	10.5	UG/L	U	U		10.5	1	
	Hexachlorobutadiene	10.5	UG/L	U	U		10.5	1	
	Hexachlorocyclopentadiene	10.5	UG/L	U	U		10.5	1	
	Hexachloroethane	10.5	UG/L	U	U		10.5	1	
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1	
	Isophorone	10.5	UG/L	U	U		10.5	1	
	N-Nitroso-di-n-propylamine	10.5	UG/L	U	U		10.5	1	
	Naphthalene	1	UG/L	U	U		1	1	
	Nitrobenzene	10.5	UG/L	U	U		10.5	1	
	Pentachlorophenol	10.5	UG/L	U	U		10.5	1	
	Phenanthrene	1	UG/L	U	U		1	1	
	Phenol	10.5	UG/L	ŭ	U U		10.5	1	
	Pyrene	1	UG/L	L.	U U		1	1	
Volatile Organic Gases	General Engineering Laboratory								

Station: 7J-MW-17 Sample ID: 7J4H74 Date Collected: 08/20/2004

Media: Groundwater Field Sample Type: Grab

		122 22	102.022	Lab D	ata \	alidation I	Detection		
Analysis	Chemical	Result	Units	Qual C	lual	Code	Limit	Dilution	-
Volatile Organics	General Engineering Laboratory								
SW846 3810	Methane	49.7	UG/L		=		20	1	
<b>Volatile Organics</b>	General Engineering Laboratory						_		
	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	υ		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	υ		5	1	
	2-Hexanone	5	UG/L	U	U		5	1	
	4-Methyl-2-pentanone	5	UG/L	U	υ		5	1	
	Acetone	6.3	UG/L	в	U	F01,F07	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	υ	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	υ		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	J	U	F04,F06	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			N	lorthing: 6	84270	.2279	Easting: 82 3	1623.6053
			Coord	System: (	5A83E8	ast	Method:	-
Station: 7J-M Sample ID: 7J4J	W-18 74 2/2004	Media: Groun	ndwater					
Analysis	Chemical	Resu	ult Units	Lab Qual	Data \ Qual	/alidation Code	Detection Limit	Dilution
Common Anions	General Engine	ering Laboratory						
EPA 300.0	Nitrate	0.034	1 MG/L	U	υ		0.0341	1
	Nitrite	0.054	12 MG/L	U	U		0.0542	1
	Sulfate	8.9	2 MG/L		=		0.193	1
General Chemistry	General Engine	ering Laboratory						
SM4500-CO2	Carbon Dioxide		1 MG/L	U	U		1	1
EPA 376.2	Sulfide	0.024	48 MG/L	U	υ		0.0248	1
Inorganics	General Engine	ering Laboratory						
SW846 6010	Iron	28	00 UG/L		=		4.37	1

Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	1,2,4-Trichlorobenzene	10.4	UG/L	U	υ		10.4	1	
	1,2-Dichlorobenzene	10.4	UG/L	U	U		10.4	1	
	1,3-Dichlorobenzene	10.4	UG/L	U	U		10.4	1	
	1,4-Dichlorobenzene	10.4	UG/L	U	U		10.4	1	
	2,4,5-Trichlorophenol	10.4	UG/L	U	U		10.4	1	
	2,4,6-Trichlorophenol	10.4	UG/L	U	U		10.4	1	
	2,4-Dichlorophenol	10.4	UG/L	U	U		10.4	1	
	2,4-Dimethylphenol	10.4	UG/L	U	U		10.4	1	
	2,4-Dinitrophenol	20.8	UG/L	U	U		20.8	1	
	2,4-Dinitrotoluene	10.4	UG/L	U	U		10.4	1	
	2,6-Dinitrotoluene	10.4	UG/L	U	υ		10.4	1	
	2-Chloronaphthalene	1	UG/L	U	U		1	1	
	2-Chlorophenol	10.4	UG/L	U	U		10.4	1	
	2-Methyl-4,6-dinitrophenol	10.4	UG/L	U	U		10.4	1	
	2-Methylnaphthalene	10.6	UG/L	142-4	=		1	1	
	2-Methylphenol	10.4	UG/L	U	U		10.4	1	
	2-Nitroaniline	10.4	UG/L	U	U		10.4	1	
	2-Nitrophenol	10.4	UG/L	U	U		10.4	1	
	3,3'-Dichlorobenzidine	10.4	UG/L	U	U		10.4	1	
	3-Nitroaniline	10.4	UG/L	U	U		10.4	1	
	4-Bromophenyl phenyl ether	10.4	UG/L	U	U		10.4	1	
	4-Chloro-3-methylphenol	10.4	UG/L	U	U		10.4	1	
	4-Chloroaniline	10.4	UG/L	U	U		10.4	1	
	4-Chlorophenyl phenyl ether	10.4	UG/L	U	U		10.4	1	
	4-Methylphenol	10.4	UG/L	U	U		10.4	1	
	4-Nitroaniline	10.4	UG/L	U	U		10.4	1	
	4-Nitrophenol	10.4	UG/L	U	U		10.4	1	
	Acenaphthene	1	UG/L	U	U		1	1	
	Acenaphthylene	1	UG/L	U	U		1	1	
	Anthracene	1	UG/L	0	U		1	1	
	Benz(a)anthracene	1	UG/L	0	U		1	1	
	Benzenemethanol	10.4	UG/L	0	U		10.4	1	
	Benzo(a)pyrene	1	UG/L				1	1	
	Benzo(b)fluoranthene	1	UG/L				1		
	Benzo(gni)perviene		UG/L			C04 C05	1	1	
	Benzoic poid	20.9	UG/L	ŭ		004,005	20.8	-	
	Benzoic acid	20.0	UG/L	ŭ			10.4	1	
	Bis(2-chloroethyl) other	10.4		ŭ	ŭ		10.4	1	
	Bis(2-Chloroisopropyl)Ether	10.4	UG/L	ŭ	ü		10.4	1	
	Bis(2-ethylbeyyl)phthalate	10.4	UG/L	ŭ	ŭ		10.4	i	
	Butyl benzyl obthalate	10.4	UG/L	ŭ	ŭ		10.4	i	
	Carbazole	10.4	UG/L	ŭ	ŭ		10.4	1	
	Chrysene	10.1	UG/L	ŭ	ŭ		1	1	
	Di-n-butyl phthalate	10.4	UG/L	ŭ	Ū		10.4	1	
	Di-n-octylphthalate	10.4	UG/L	Ū	Ū		10.4	1	
	Dibenz(a,h)anthracene	1	UG/L	Ū	Ū		1	1	
	Dibenzofuran	0.46	UG/L	J	J		10.4	1	
	Diethyl phthalate	10.4	UG/L	U	U		10.4	1	
	Dimethyl phthalate	10.4	UG/L	U	U		10.4	1	
	Diphenylamine	10.4	UG/L	U	U		10.4	1	
	Fluoranthene	1	UG/L	U	U		1	1	
	Fluorene	0.93	UG/L	J	J		1	1	
	Hexachlorobenzene	10.4	UG/L	U	U		10.4	1	
	Hexachlorobutadiene	10.4	UG/L	U	U		10.4	1	
	Hexachlorocyclopentadiene	10.4	UG/L	U	U		10.4	1	
	Hexachloroethane	10.4	UG/L	U	U		10.4	1	
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U		1	1	
	Isophorone	10.4	UG/L	U	U		10.4	1	
	N-Nitroso-di-n-propylamine	10.4	UG/L	U	U		10.4	1	
	Naphthalene	9.7	UG/L		=		1	1	

Station: 7J-MW-18 Sample ID: 7J4J74 Date Collected: 08/19/2004

Media: Groundwater Field Sample Type: Grab

				Lab D	Data \	<b>/alidation</b>	Detection		
Analysis	Chemical	Result	Units	Qual Q	Qual	Code	Limit	Dilution	
Semi-Volatile Organics	General Engineering Laboratory								
SW846 8270C	Nitrobenzene	10.4	UG/L	U	υ		10.4	1	
	Pentachlorophenol	10.4	UG/L	U	U		10.4	1	
	Phenanthrene	1.3	UG/L		=		1	1	
	Phenol	10.4	UG/L	U	U		10.4	1	
	Pyrene	1	UG/L	U	U		1	1	
Volatile Organic Gases	General Engineering Laboratory								
SW846 3810	Methane	293	UG/L		=		20	1	
Volatile Organics	General Engineering Laboratory								
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	υ		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-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	J	U	F04,F06	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-1,3-Dichloropropene	1	UG/L	U	U		1	1	
	Dibromochloromethane	1	UG/L	U	U		1	1	
	Ethylbenzene	0.66	GUG/L	J	J		1	1	
	Methylene chloride	5	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	
	Xvlenes Total	1	UG/I		=		1	1	

Station: QC				N Coord S	orthing: System:	NA NA		Easting: N/ Method:	4	
Station: QC	;									
Sample ID: TB	3551	Media:	Quality	Control						
Date Collected: 08/	19/2004	Field Sample Type:	Trip Bla	nk						
Analysis	Chamical		Pocult	Unite	Lab	Data	Validation	Detection	Dilution	
Analysis	Chemical		Result	Units	Qua	Qual	Coue	Linit	Dilution	_
Volatile Organics	General Engi	neering Laboratory							and the second second	
	1,1,1-Trichlord	oethane	1	UG/L	U	U		1	1	
SW846 8260B	1,1,2,2-Tetrac	chloroethane	1	UG/L	U	U		1	1	

. .. . . .

Station: QC Sample ID: TB3551 Date Collected: 08/19/2004

Media: Quality Control Field Sample Type: Trip Blank

			Lab Data Validation	Detection
Analysis	Chemical	Result Units	Qual Qual Code	Limit Dilution
Volatile Organics	General Engineering Laboratory			
SW846 8260B	1,1,2-Trichloroethane	1 UG/L	υυ	1 1
	1,1-Dichloroethane	1 UG/L	υυ	1 1
	1,1-Dichloroethene	1 UG/L	υυ	1 1
	1,2-Dichloroethane	1 UG/L	υυ	1 1
	1,2-Dichloroethene	1 UG/L	υυ	1 1
	1,2-Dichloropropane	1 UG/L	υυ	1 1
	2-Butanone	5 UG/L	υυ	5 1
	2-Hexanone	5 UG/L	. U U	5 1
	4-Methyl-2-pentanone	5 UG/L	υυ	5 1
	Acetone	2.6 UG/L	JJ	5 1
	Benzene	1 UG/L	υυ	1 1
	Bromodichloromethane	1 UG/L	υυ	1 1
	Bromoform	1 UG/L	υυ	1 1
	Bromomethane	1 UG/L	υυ	1 1
	Carbon disulfide	5 UG/L	UU	5 1
	Carbon tetrachloride	1 UG/L	υυ	1 1
	Chlorobenzene	1 UG/L	υυ	1 1
	Chloroethane	1 UG/L	υυ	1 1
	Chloroform	1 UG/L	υυ	1 1
	Chloromethane	1 UG/L	υυ	1 1
	cis-1,3-Dichloropropene	1 UG/L	υυ	1 1
	Dibromochloromethane	1 UG/L	υυ	1 1
	Ethylbenzene	1 UG/L	υυ	1 1
	Methylene chloride	5 UG/L	υυ	5 1
	Styrene	1 UG/L	υυ	1 1
	Tetrachloroethene	1 UG/L	υυ	1 1
	Toluene	1 UG/L	υυ	1 1
	trans-1,3-Dichloropropene	1 UG/L	υυ	1 1
	Trichloroethene	1 UG/L	υυ	1 1
	Vinyl chloride	1 UG/L	υυ	1 1
	Xylenes, Total	1 UG/L	υυ	1 1

Station: QC Sample ID: TB3552 Date Collected: 08/20/2004

Media: Quality Control Field Sample Type: Trip Blank

Date Collected: 08/2	20/2004 Field Sample Ty	be: The Blank	Lah Da	ata Validation	Detection	
Analysis	Chemical	<b>Result Units</b>	Qual Qu	ual Code	Limit	Dilution
Volatile Organics	General Engineering Laboratory					
	1,1,1-Trichloroethane	1 UG/L	U	U	1	1
SW846 8260B	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-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	6.8 UG/L	в	U F01,F07	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

Station: QC Sample ID: TB3552 Date Collected: 08/20/2004

Media: Quality Control Field Sample Type: Trip Blank

		Desult	Unite	Lab	Data	Validation	Detection	Dilution	
Analysis	Chemical	Result	Units	Quar	Quai	Code	Linit	Dilution	-
<b>Volatile Organics</b>	<b>General Engineering Laboratory</b>								
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	υ		1	1	
	Tetrachloroethene	1	UG/L	U	υ		1	1	
	Toluene	0.44	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	1	UG/L	U	U		1	1	

CHAIN-OF-CUSTODY FORMS

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Science Applications Internation 800 Oak Ridge Tumpike, Oak R	An Employee-Owned Ca al Corporation Hdge, TN 37831 (4	mpuny (23) 481-4600			CH	AIN O	F CU	STOD	Y RE	CORI	~				COC NO .:	SIGJEDIQ
DDO IECT NAME. SWM	11.976								TED DA	DAMETE	200			F	N VUOTADORA	AME
	112-01					F	F					E	E	F	General Engineer	ing Laboratory
PROJECT NUMBER: 0	1-1055-04-5788	9-100					1								LABORATORY A	DDRESS:
PROJECT MANAGER:	Jeff Longaker						algung							:slsi)	2040 Savage Rac Charleston, SC 2	od 19407
Sampler (Signature)	LA D	(Printed Nam	() ()	j		ebixoid r	י אונגונפי : י אונגונפי	ue						Bottles/ V	PHONE NO: (843	) 556-8171
Sample ID	Date Collecter		flected	Matrix	SVOC	Carbor	Sulfide	1 1810 1						to .oN	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
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COMPANY NAME:	<u>کر</u> 4	12/04	COMPA	NY NAME:	4	*	hola	Co Co	öler ID:	9	572					Ë.
RECEIVED BY:		Date/Time	RELINC	UISHED BY:	The second	- 0	ho/of	• 7								
COMPANY NAME:			COMPA	NY NAME:	ĺ	5	1.51	1								
RELINQUISHED BY:	-	Date/Time	RECEIV	/ED BY:		-	Date/Tim	0								
COMPANY NAME:			COMPA	INY NAME:												
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Science Applections 1	An Employee-Ow thermational Corporation	med Company													· ON JOJ	
800 Oak Ridge Turnpik	e, Oak Ridge, TN 378.	31 (423) 481-4600			F	AIN O	F CUS	TODY	REC	ORD						11240
PROJECT NAME:	SWMU-27F						RE	QUEST	ED PAR	METER	s			-	ABORATORY N/	ME:
														0	aeneral Engineeri	ig Laboratory
PROJECT NUMB	ER: 01-1055-04-	5788-100													ABORATORY AC	DRESS:
PROJECT MANA	GER: Jeff Longa	iker					erence							isls: 0 0	040 Savage Raoo Charleston, SC 29	407
Sampler (Signature)	JUL C	Printed Na	(em	J. A.		ebixold r	'9111110							V \selfice	HONE NO: (843)	556-8171
Sample ID	Date Colli	ected Time (	Collected	Matrix	SVOC VOC	Methan Carbor	Sulfide Sulfide Total In						_	No. of	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
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											A Solo Base					
RELINGUISHED	1/1/ Che	Date/Time	RECEIV	/ED BY:			late/Time	TOTA	AL NUME	<b>3ER OF</b>	CONTA	NERS:	16	-	Cooler Temperatu	<sup>ге:</sup> 4°С
COMPANY NAME		8/20/04	COMPA	INY NAME:	<b>1</b>	8/2	40t, 100	Coole	ar ID:	10	09:	01			FEDEX NUMBER	NA
RECEIVED BY:		Date/Time	RELINC	UISHED BY:		8	ate/Time	ļ,								
COMPANY NAME			COMPA	ANY NAME:		>	15:18								te	
RELINQUISHED	BY:	Date/Time	RECEIV	/ED BY:			ate/Time									
COMPANY NAME			COMPA	ANY NAME:												

Science Analysis from International Cont	Employee-Owned Compan unconten	•						-	711	Ohu	S								
800 Oak Ridge Turnpike, Oak Ridg	le, TN 37831 (423)	481-4600			0	HA	N	JF C	ISU	DD	Y RE	COR	۵				-	COC NO.:	Z7FØ1Z
PROJECT NAME: SWMU-	-27F								REC	DIEST	ED PA	RAMET	ERS				2	ABORATORY N	AME:
		-						-									5	eneral Engineer	ing Laboratory
PROJECT NUMBER: 01-1	055-04-5788-10	8															בן	ABORATORY A	DDRESS:
PROJECT MANAGER: Je	ff Longaker							Sulfate									isisi 2 0 12	040 Savage Rad harleston, SC 2	od 19407
Sampler (Signature)	All (Pr	inted Name)	-			6	ebixoiQ	Nitrite, :	uc								V \selficities/ V	HONE NO: (843	) 556-8171
Sample ID	U/OV L	Time Colle	3 A.C	JB LL Matrix	200	Methan	Carbon	Vitrate,	Total Irc								No. of B	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
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RELINGUISHED BY: NJ	// Dat	e/Time	RECEIVE	D BY:	1		Ċ	Date/	Lime	TOT	AL NUI	MBER	DF CO	NTAINE	RS:	ŝ	-	Cooler Tempera	ture: 4 °C
COMPANY NAME:	2/2	60/0	COMPAN	Y NAME:	\$	5	×)	obal	711	Cool	ler ID:		5	Si	01			EDEX NUMBE	<sup>в:</sup> N/A
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COMPANY NAME:		-	COMPAN	Y NAME:				15	2	9	•					· <b>·</b> .			
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COMPANY NAME:		-	сфиран	Y NAME:	2	2		0.0	-		4	×.,	.18						

Science Application	An Employee-Owne al Corporation	d Company			-									COC NO	ciyetc.
800 Oak Ridge Tumpike, Oak I	Ridge, TN 37831	1 (423) 481-4600			CH	AIN O	F CU	STOD	Y RE(	CORD				)	512 10:
PROJECT NAME: SWA	NU-27F	0 *						REQUES	TED PAF	AMETE	3S			LABORATORY General Engin	' NAME: eering Laboratory
DDD IECT NI IMBED. D	1.1066.04.6	788-100													
	C-+0-CC01-10	001-007												LABORATOR	ADDRESS:
PROJECT MANAGER:	Jeff Longal	ker					etatius							Charleston, SC	29407
Sampler (Signature)		(Printed Na	ime)	c		e Dioxide	Nitrite,	uq		51 <sup>°</sup>				PHONE NO: (	343) 556-8171
let - UN		ATRICIA	A. U	DUL	NOC OC	ethan	ulfide	011 1870						6 SCREENING	OBSERVATIONS, COMMENTS SPECIAL INSTRUCTIONS
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