

CERTIFICATION

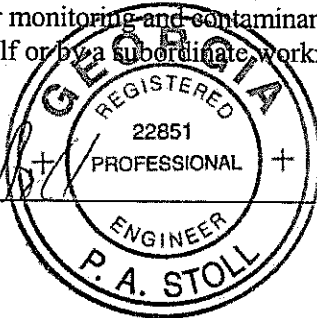
I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

for Thomas C. Luy
Ovidio E. Perez
Colonel, U.S. Army
Directorate of Public Works

This CY 1998 Detection Monitoring Report for SWMU 12A has been prepared in accordance with 40 CFR 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 post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that 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.

Patricia A. Stoll
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SAIC



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FINAL

**CALENDAR YEAR 1998
DETECTION MONITORING REPORT
FOR SWMU 12A,
ACTIVE EOD AREA,
FORT STEWART, GEORGIA**

Prepared for:

U.S. Army Corps of Engineers
Savannah District
Under Contract DACA21-95-D-0022
Delivery Order Number 0009

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January 1999

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List of Acronyms and Abbreviations

AR	administrative record
bgs	below ground surface
CB	chemical/biological
COC	chain-of-custody
CY	calendar year
DQO	data quality objective
EOD	Explosive Ordnance Disposal
EPA	U.S. Environmental Protection Agency
OD	open detonation (unit)
OB	open burn (unit)
RCRA	Resource Conservation and Recovery Act
RFI	RCRA facility investigation
SVOC	semivolatile organic compound

SWMU	solid waste management unit
TCL	Target Compound List
TOC	total organic carbon
UXO	unexploded ordnance

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1.0 INTRODUCTION

This annual report presents results for the calendar year (CY) 1998 Resource Conservation and Recovery Act (RCRA) detection monitoring program conducted for solid waste management unit (SWMU) 12A, the Active Explosive Ordnance Disposal (EOD) Area, located at Fort Stewart, Georgia 31314-5000 (Facility Identification Number GA9 210 020 872). Figure 1-1 shows the location of the Fort Stewart installation. This report is prepared consistent with the requirements specified in Condition III.D.4 of the hazardous waste facility permit for Fort Stewart (HW-045[S&T]), as renewed effective August 14, 1997, and Appendix D-8 to the RCRA Subpart X permit application, as amended, dated June 13, 1997.

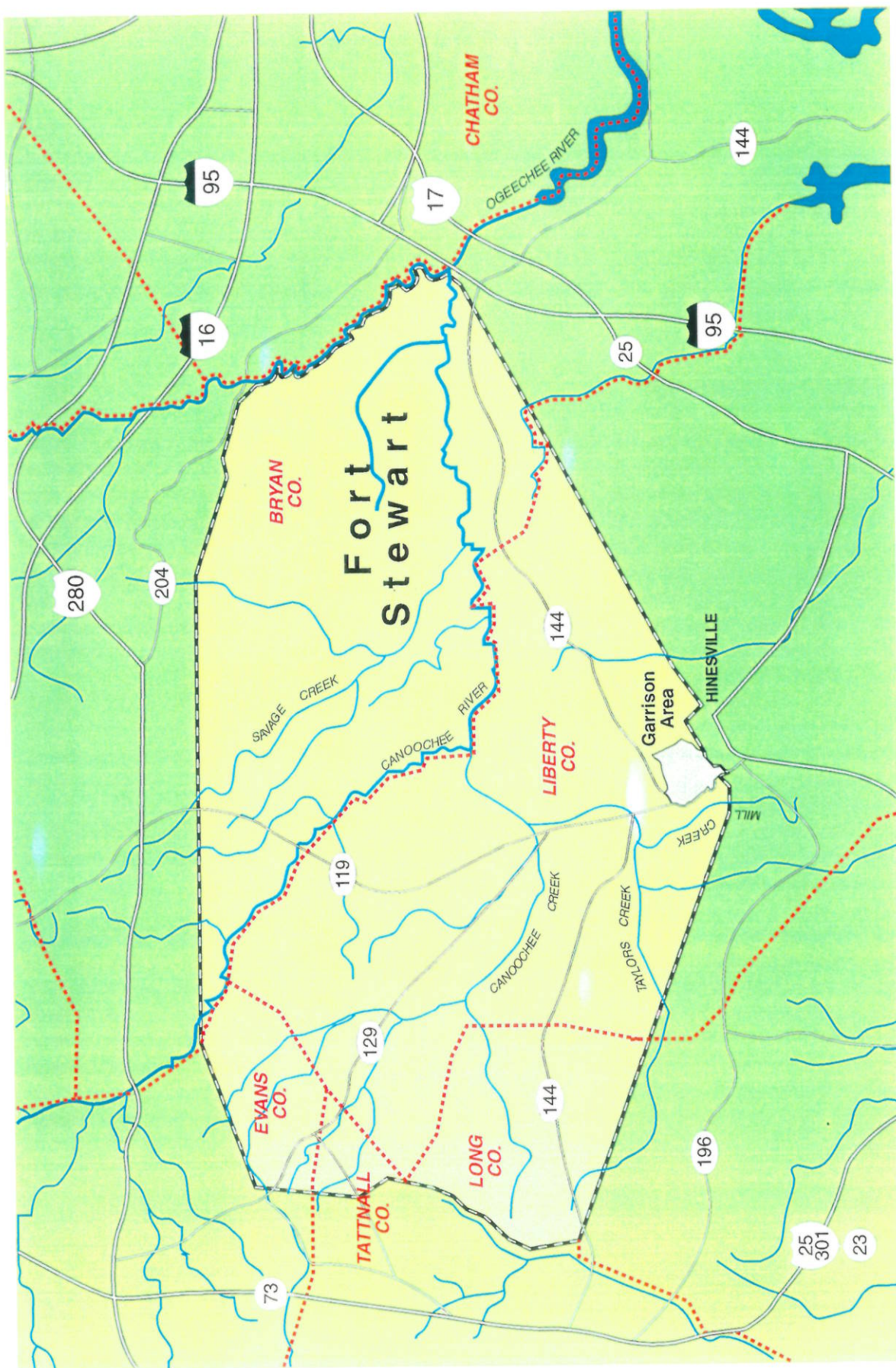
1.1 SITE BACKGROUND

SWMU 12A, which contains the Open Detonation (OD) Unit (SWMU 12B) and Open Burn (OB) Unit (SWMU 12C), is collectively identified as the Active EOD Area. The unit encompasses less than 3 acres and is located between the Artillery Impact Area and the Small Arms Impact Area. The unit is located south of the Canoochee River and approximately 6 miles north of the garrison area and is accessed by an unpaved road, Fort Stewart 105 (Figure 1-2). The Active EOD Area has been used for disposal of unexploded ordnance (UXO) by thermal treatment since 1987 when an RCRA Part B permit was granted (Geraghty and Miller 1992; Radian 1997). The site is cleared, with low grasses and weeds present throughout the area. Trees are present along the site's perimeter. Some ordnance debris was previously identified within and around the craters; however, all visible ordnance has been removed and a new security fence has been installed.

The waste disposed at the Active EOD Area includes excess artillery powder bags, small arms rounds, artillery and mortar rounds, illuminating projectiles, pyrotechnics, bulk explosives, rockets, propellant, and regular smoke grenades. Wastes more recently found in the current EOD area include unserviceable light antitank weapons, dragons, and 2.75-inch rocket motors (USAEHA 1987; USAEHA 1988). There are no records or information indicating any disposal of chemical/biological (CB) agents, acids, solvents, or other hazardous or toxic substances in the EOD area (Environmental Science and Engineering 1982).

The OD Unit formerly consisted of 9 blast craters, each 18 to 50 feet in diameter and 4 to 6 feet deep. The former detonation pits were located in the eastern/northeastern portion of the EOD site. The craters at the OD Unit have been filled and seeded, the site has been relocated, and soil berms have been installed around the unit. The OD Unit is now located near the center of the Active EOD Area and northwest of the former detonation pits. The unit now consists of a U-shaped blast berm with an open end facing east. A transverse berm across the open end prevents ejecta from escaping the berm while still allowing access to the unit. The items to be destroyed are unpacked and segregated into different areas depending on the filler (i.e., illumination, high explosive, or white phosphorus). Packing material is either sent back in a separate vehicle or burned at the burn pit. The types of ordnance destroyed at the detonation site are normally target-practice or high-explosive ammunition 20 millimeters or larger, illumination, and smoke-type ammunition.

The OB Unit, located in the eastern/southeastern corner of the site, formerly consisted of an open burning area within a horseshoe-shaped revetment approximately 6 feet tall. Vented 55-gallon drums were set on empty munitions cans, filled with the ammunition to be destroyed, soaked with diesel fuel,



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Figure 1-1. Location Map for Fort Stewart

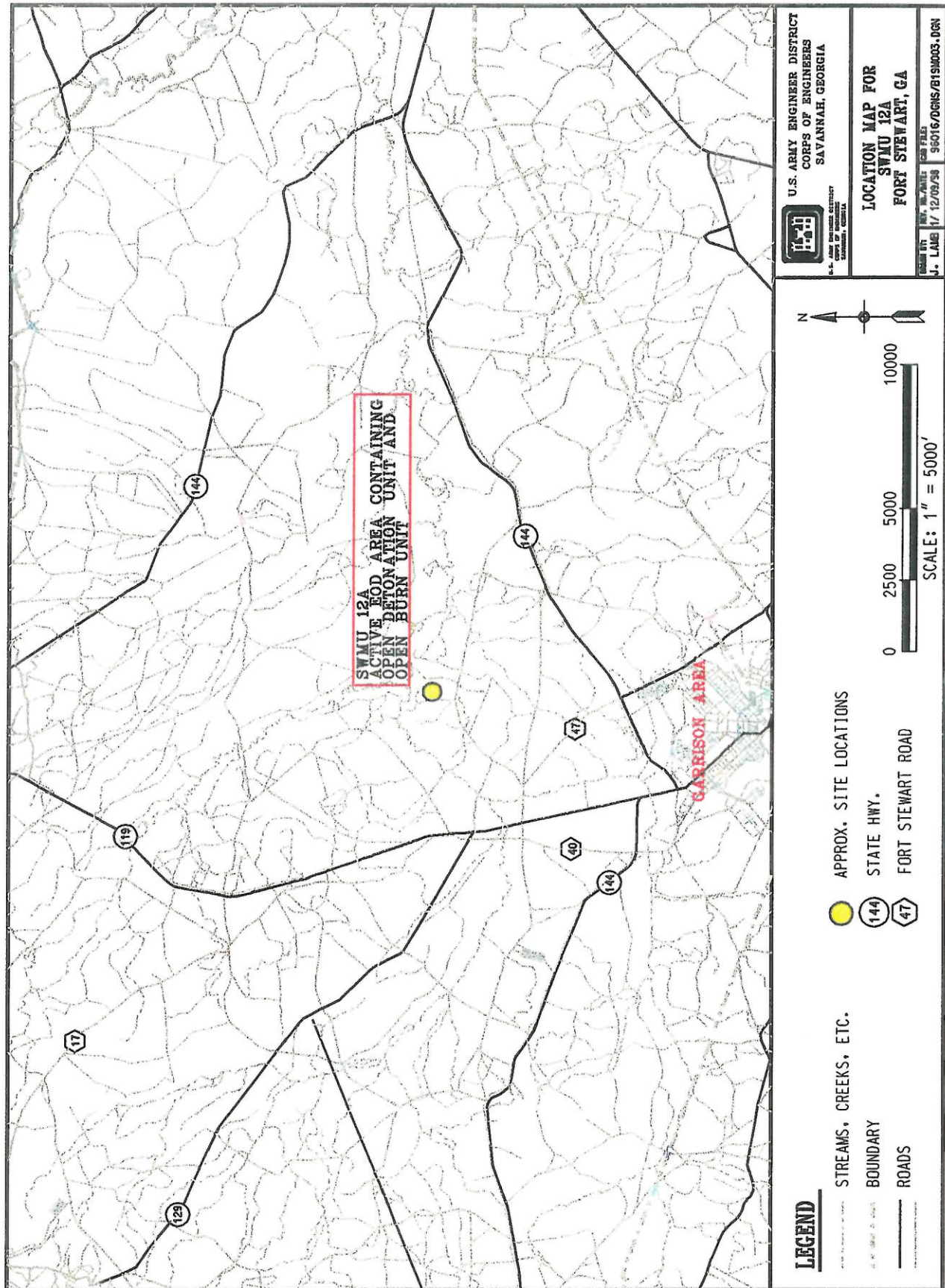


Figure 1-2. Location Map for SWMU 12A

and remotely ignited and observed from the observation bunker. The OB unit has been redesigned and is totally contained within a bunker except for an exhaust vent. The ammunition destroyed at the burn area normally includes small arms ammunition up to 0.50 caliber in size, including all types of cartridges (Radian 1997).

1.2 REGULATORY HISTORY

Fort Stewart qualified for RCRA interim status for operations of the existing OB and OD units when a Part B RCRA permit application was submitted by the Army to the U.S. Environmental Protection Agency (EPA) Region IV prior to the November 8, 1988, deadline specified by Title 40 *Code of Federal Regulations (CFR)* Part 270.73(g). A hazardous waste facility permit, HW-045(S&T), was issued effective August 12, 1987, and amended August 15, 1994.

An RCRA Subpart X permit application for a permit renewal for the Active EOD Area commenced in 1996. The application required that a Phase I site characterization be conducted, air dispersion modeling be performed, a risk assessment be prepared, a closure/postclosure plan be written, and a sampling and analysis/monitoring plan be completed. Radian International LLC conducted the Phase I site characterization in 1996 to complete the RCRA Part A and Part B Subpart X permit application (Radian 1997). Field sampling activities for a Phase II RFI were completed in February 1998 by Science Applications International Corporation, and the final report of these activities is currently in preparation.

Appendix D-8 to the RCRA Subpart X permit application contains the specific provisions for environmental detection monitoring for SWMU 12A. This appendix is incorporated by reference into the renewed permit. The Phase I RFI report established soil background values for future comparisons under the detection monitoring program. Appendix D-8 specifies comparison of site soil data to the established background values using the student's t-test. For groundwater, surface water, and sediment, event-specific comparisons of upgradient to downgradient data are required using the student's t-test. The CY 1998 monitoring represents the initial year of detection monitoring for SWMU 12A; thus, a summary of previous years' detection monitoring evaluations is not presented for reference purposes. The Phase II RFI sampling was designated as the first semiannual detection monitoring event as further described in Section 2.0.

1.3 REPORT ORGANIZATION AND REQUIREMENTS DEFINITION

The report organization presented in this section provides an outline of the information required by the detection monitoring program. A requirements matrix (Table 1-1) is provided to denote the locations of specific data or results and the corresponding governing criteria. The report is organized as follows:

- Section 1.0 – site background, operational history, and regulatory history;
- Section 2.0 – summary of the CY 1998 detection monitoring program;
- Section 3.0 – CY 1988 detection monitoring data evaluation results;

- Section 4.0 – conclusions and weight-of-evidence summary; and
- Section 5.0 – references.

Appendices A through C contain tabular summaries of the monitoring results, chain-of-custody (COC) forms, and results of the statistical evaluations, respectively.

Table 1-1. SWMU 12A RCRA Detection Monitoring Requirements Matrix

Requirement	Permit Condition	Section in this Report
<i>Monitoring</i>		
Monitoring locations	III.D.1 to III.D.3	Section 2.0
Sample date, place, and time	I.C.3(a)	Section 2.0; Appendices A and B
Sample technician name	I.C.3(b)	Section 2.0; Appendices A and B
Dates of analysis	I.C.3(c)	AR
Analytical technician	I.C.3(d)	AR
Analytical techniques, sample preservation, and quality assurance	I.C.3(e)	Section 2.0; Appendices A and B
Analytical results	I.C.3(f)	Section 2.0; Appendices A and B
<i>Monitoring Data Evaluation</i>		
Groundwater surface elevations	III.D.1	Section 3.1.1
Groundwater flow rate and direction	III.D.1	Section 3.1.1
Statistical evaluations	III.D.1 to III.D.3	Section 3.0; Appendix C

AR = Administrative Record.

RCRA = Resource Conservation and Recovery Act.

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2.0 CALENDAR YEAR 1998 MONITORING PROGRAMS

Sampling to comply with the detection monitoring requirements specified in Appendix D-8 to the RCRA Subpart X permit application was conducted between January 19 and February 25, 1998 (first semiannual event) and August 31 and September 2, 1998 (second semiannual event). The CY 1998 sampling was done for the dual purpose of fulfilling both the data quality objectives (DQOs) and quality assurance/quality control (QA/QC) procedures of the Phase II RCRA Facility Investigation (RFI) for the SWMU, as well as the detection monitoring requirements. Because of the dual purpose for the monitoring effort, the Phase II RFI Work Plan (SAIC 1997) was considered as the lead requirement with specifications of Appendix D-8 to the RCRA permit application applied where no conflicts occurred with the RFI DQOs. The Fort Stewart administrative record contains the required associated sampling data as specified in Condition I.C.3 of the Hazardous Waste Facility Permit, as renewed August 14, 1997.

2.1 GROUNDWATER

Wells MW-1, MW-2, MW-3, and MW-4 are the designated RCRA Subpart X detection monitoring wells. Well MW-1 is the designated background well for the detection monitoring network. During the initial semiannual event (Phase II RFI sampling), one round of groundwater samples was collected from seven existing wells (Figure 2-1) at the site (MW-1 through MW-7). In addition, three new wells (MW-8 through MW-10) were installed as part of the Phase II RFI, developed, and sampled using low-flow techniques as specified in the Phase II RFI Work Plan. During the second semiannual monitoring event (Figure 2-2), one set of samples was collected from all 10 wells using low-flow techniques. Thus the CY 1998 sampling exceeded the requirements of the RCRA Subpart X permit. Water levels were measured each time the wells were sampled.

Explosives, semivolatile organic compounds (SVOCs), metals, and total organic carbon (TOC) samples were collected and analyzed in accordance with the methods specified in Table D8-2 of Appendix D-8 to the permit application with the following exceptions:

- Penaerythritol tetranitrate (PETN), 4-amino-2,6-dinitrotoluene (4-Am-2,6-DNT), and 2-amino-4,6-dinitrotoluene (2-Am-4,6-DNT) analyses were not conducted during the first and second semiannual sampling event because these compounds were not specified indicators of contamination in the Phase II RFI Work Plan. These constituents are not included within the current normal EPA Target Compound List (TCL) for Method 8330.
- The following SVOCs were not analyzed during the first and second semiannual event because these compounds were not specified indicators of contamination in the Phase II RFI Work Plan: 4,6-dinitro-2-methylphenol, benzoic acid, benzyl alcohol, and bis(2-chloroisopropyl)ether. These constituents are not included within the current normal EPA TCL for Method 8270A.
- TOC analyses of groundwater samples were not conducted during the second semiannual sampling event because samples were inadvertently not collected.

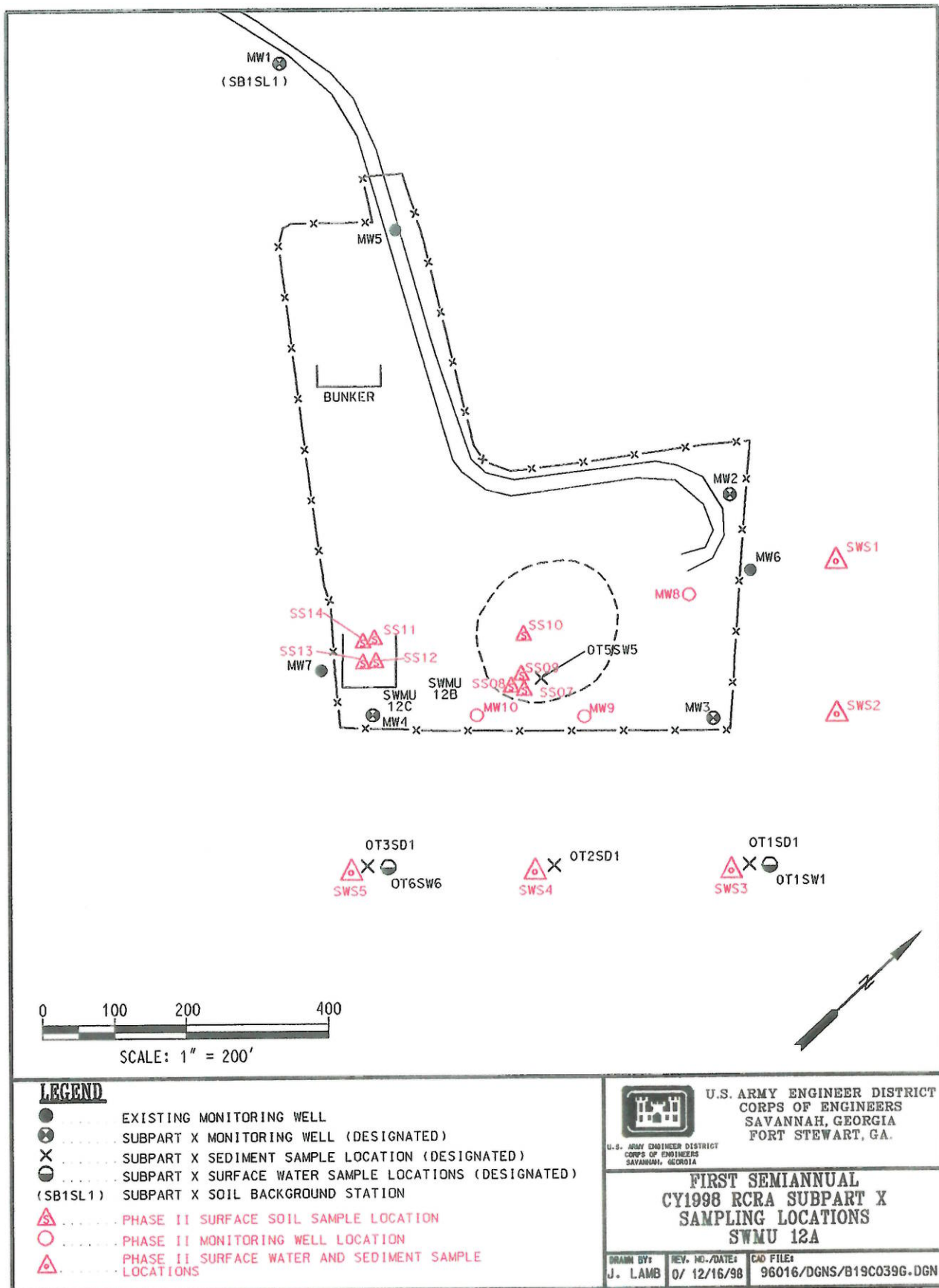


Figure 2-1. First CY 1998 Semiannual (Phase II RFI - January/February 1998)
Detection Monitoring Event Locations

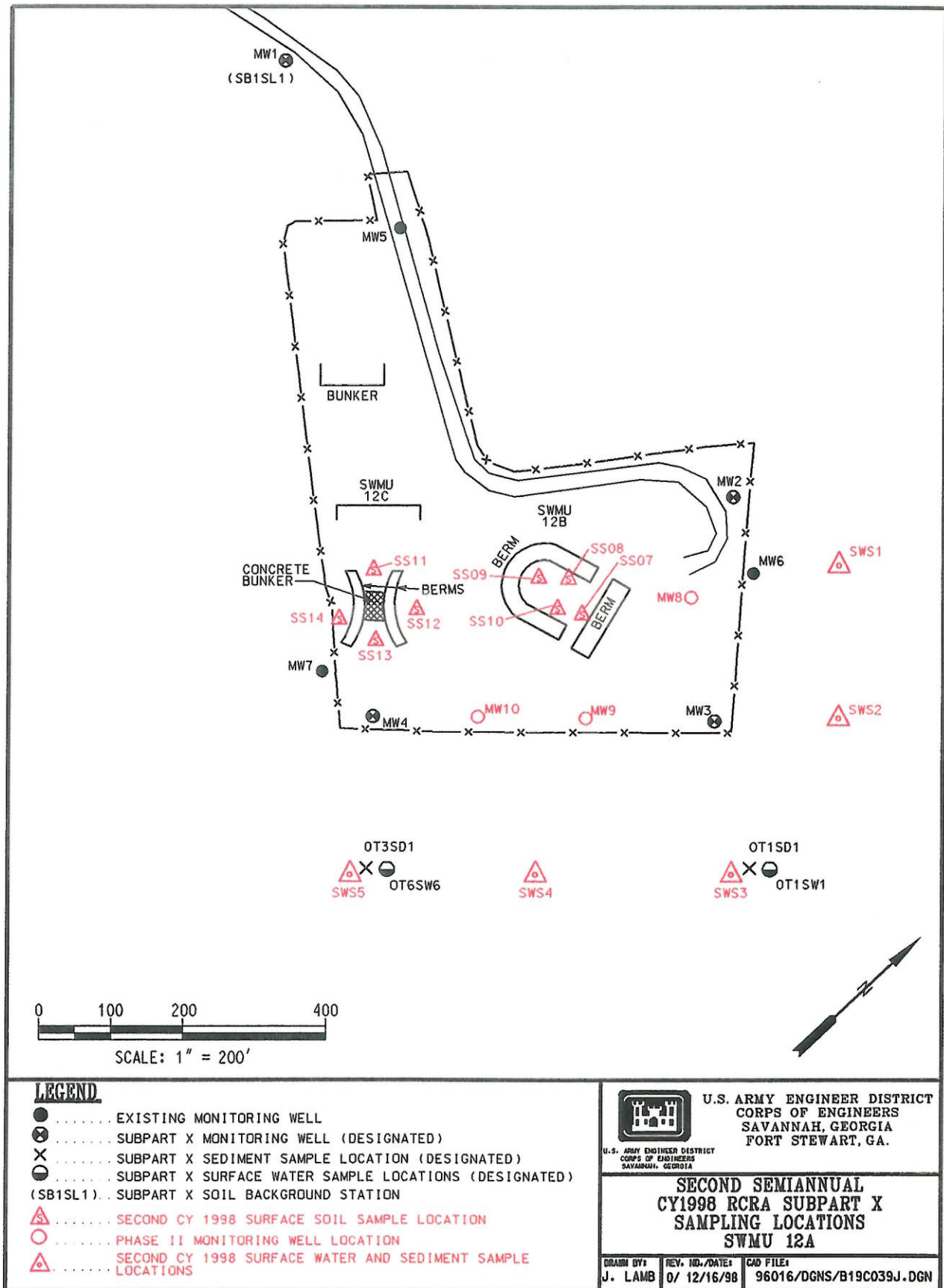


Figure 2-2. Second CY 1998 Semiannual Detection Monitoring Event Locations
(August/September 1998)

Appendices A and B contain complete analytical results for the first and second semiannual monitoring events at SWMU 12A, respectively. Tables 2-1 and 2-2 present a summary for groundwater analytical data for each event containing sample dates, sample identification number, and detected results.

2.2 SOIL SAMPLING

Eight surface soil samples collected during the Phase II RFI were designated for the initial semiannual detection monitoring event (Figure 2-1): four locations (12A-SS-07 through 12A-SS-10) within the OB Unit (SWMU 12B) and four locations (12A-SS-11 through 12A-SS-14) from four quadrants within the OD Unit (SWMU 12C). In addition, three surface soil samples and three subsurface soil samples were collected from the borings drilled to install monitoring wells MW-8, MW-9, and MW-10 during the Phase II RFI. The data for these stations are provided for reference; however, they are not included as part of the RCRA Subpart X semiannual detection monitoring program.

During the second semiannual sampling event, surface soils samples were collected from four locations (12A-SS-07 through 12A-SS-10) surrounding the new covered furnace enclosure at the OB Unit (Figure 2-2). Surface soil samples collected from the OB Unit differed from that specified in Appendix D-8 because of reconfiguration of the site, resulting in the collection of two additional surface samples. Subsurface soil samples were not collected because drilling of soil borings within the Active EOD Area is prohibited due to UXO concerns.

A total of four surface soil samples were collected during the second semiannual sampling event from locations within the newly constructed OD Unit (12A-SS-11 through 12A-SS-14). Appendix D-8 to the RCRA Subpart X permit application specified collection of two samples from each of the previous four quadrants of the former OD Unit. The recent reconfiguration and relocation of the unit within the Active EOD Area has resulted in the filling and seeding of blast craters which previously defined the quadrants. Four surface samples were collected within the new bermed enclosure of the OD Unit because the new configuration corresponds roughly to the area previously occupied by two quadrants. An active crater was not present within the OD Unit; thus, an additional soil sample was not collected.

Explosives, SVOCs, metals, and TOC samples were collected and analyzed in accordance with the methods specified in Table D8-5 of the permit application with the following exceptions:

- Penaerythritol tetranitrate (PETN), 4-amino-2,6-dinitrotoluene (4-Am-2,6-DNT), and 2-amino-4,6-dinitrotoluene (2-Am-4,6-DNT) analyses were not conducted during the first and second semiannual sampling event because these compounds were not specified indicators of contamination in the Phase II RFI Work Plan. These constituents are not included within the current normal EPA TCL for Method 8330.
- The following SVOCs were not analyzed during the first and second semiannual event because these compounds were not specified indicators of contamination in the Phase II RFI Work Plan: 4,6-dinitro-2-mehtylphenol, benzoic acid, benzyl alcohol, and bis(2-chloroisopropyl)ether. These constituents are not included within the current normal EPA TCL for Method 8270A.

Table 2-1. Summary of Analytes Detected in Groundwater, First CY 1998 Semiannual Sampling Event
(Phase II RFI - January/February 1998)

Station	12A-MW1 ^a	12A-MW2	12A-MW3	12A-MW4	12A-MW5	12A-MW6
Sample ID	124111	124211	124311	124411	124511	124611
Date	02/25/98	02/17/98	02/17/98	02/16/98	02/16/98	02/17/98
Sample Type	Total	Total	Total	Total	Total	Total
<i>Semivolatile Organic Compounds (µg/L)</i>						
Bis(2-ethylhexyl)phthalate	10 ^b				49.7	
<i>Explosives (µg/L)</i>						
2,6-Dinitrotoluene	0.10 ^b					
<i>Metals (µg/L)</i>						
Aluminum	1,200	199	475	204		216
Barium	35.5	17.5 J	46.9 J	35.7 J	17.3 J	18.5 J
Beryllium	0.07 ^b					
Cadmium	0.21 ^b					
Calcium	1,630	705 J	4,720 J	2,200 J	1,140 J	764 J
Chromium	2.6					
Cobalt	0.46 ^b	4 J	15.8	2.9 J		
Copper	2		1.2 J		14	
Iron	598	195	237			184
Lead	0.96 ^b					
Magnesium	814	554	2,360	1,030	1,200	588
Manganese	17.3	96.3	235	38.3	5.9 J	18.9
Nickel	1.9		18.8	8		
Potassium	643	478	1,400	555	234	483
Selenium	2.5 ^b					
Silver	0.86 ^b					
Sodium	3,520	3,170	6,170	2,420	4,380	2,050
Vanadium	2	0.57 J				
Zinc	16.9		30.9	10.9	9.2	
<i>Other Analytes (µg/L)</i>						
Sulfate	1,100					
Total organic carbon	3,160	562				

Table 2-1. Summary of Analytes Detected in Groundwater, First CY 1998
Semiannual Sampling Event (Phase II RFI - January/February 1998) (continued)

Station	12A-MW7	12A-MW8	12A-MW9	12A-MW10
Sample ID	124711	124811	124911	124011
Date	02/25/98	02/17/98	02/17/98	02/17/98
Sample Type	Grab	Grab	Grab	Grab
Semivolatile Organic Compounds (µg/L)				
Bis(2-ethylhexyl)phthalate				7
Explosives (µg/L)				
2,6-Dinitrotoluene				0.84
Metals (µg/L)				
Aluminum	445	260	824	351
Barium	19 J	15.9 J	48.2 J	47.7 J
Beryllium				
Cadmium				
Calcium	1,490	528 J	2,940 J	3,520 J
Chromium	1.6 J			
Cobalt			7.1	5.1
Copper	1.2 J			
Iron	302	109	405	271
Lead				
Magnesium	631	501	1,590	1,440
Manganese	10	4.4 J	68.9	48
Nickel	3.1 J		12.1	9.1
Potassium	509	359	675	866
Selenium				
Silver				
Sodium	2,620	3,320	2,780	3,050
Vanadium	1.1 J		0.48 J	
Zinc			14.8	10.9
Other Analytes (µg/L)				
Sulfate				
Total Organic Carbon	1,910	1,040	506	

^aSite-specific background location.

^bBackground value is the detection limit.

J = Estimated value.

All data are from unfiltered samples.

Table 2-2. Summary of Analytes Detected in Groundwater, Second CY 1998
Semiannual Sampling Event (August/September 1998)

Station	12A-MW1 ^a	12A-MW2	12A-MW3	12A-MW4	12A-MW5
Sample ID	124112	124212	124312	124412	124512
Date	09/01/98	09/01/98	09/01/98	09/01/98	09/01/98
Sample Type	Grab	Grab	Grab	Grab	Grab
<i>Semivolatile Organic Compounds (µg/L)</i>					
Bis(2-ethylhexyl)phthalate	10.9 ^b	17.7 J	6.2 J		7.1 J
<i>Metals (µg/L)</i>					
Aluminum	27.2	17.8	85.9	49.2	795
Barium	22.6 J	15.5 J	47.5 J	24.4 J	19.8 J
Calcium	1,140	709	3,710	1,560	1,270
Chromium	0.70 ^b				1.8 J
Cobalt	0.82 ^b	2.0	12.7	1.9	
Copper	0.74 ^b		1.9	5.4	10.6
Iron	47.4		98.2		465
Lead	1.50 ^b				2.6 J
Magnesium	779	477	1,850	678	1,350
Manganese	26.4	44.4	199	21.2	6.1
Mercury	0.10 ^b				
Nickel	3.0 ^b		12.7		
Potassium	218	489	1,330	455	281
Sodium	2,680	1,830	5,920	2,140	3,030
Vanadium	0.67 ^b				1.4
Zinc	12.8	3.5	26.8	9.6	7.2
<i>Explosives (µg/L)</i>					
2,6-Dinitrotoluene	0.10 ^b				
RDX	20.0 ^b				
<i>Miscellaneous Analytes (mg/L)</i>					
Sulfate	0.816				

**Table 2-2. Summary of Analytes Detected in Groundwater, Second CY 1998
Semiannual Sampling Event (August/September 1998) (continued)**

Station	12A-MW6	12A-MW7	12A-MW8	12A-MW9	12A-MW10
Sample ID	124612	124712	124812	124912	124012
Date	09/02/98	09/01/98	09/02/98	09/01/98	09/01/98
Sample Type	Grab	Grab	Grab	Grab	Grab
<i>Semivolatile Organic Compounds (µg/L)</i>					
Bis(2-ethylhexyl)phthalate					
<i>Metals (µg/L)</i>					
Aluminum	90.6	218	906	66.7	192
Barium	14.3 J	21.5 J	12.7 J	27 J	36.4 J
Calcium	686	1,920	1,090	1,200	2,110
Chromium	1.1 J		2.1 J		
Cobalt					0.95
Copper				2.3	3.1
Iron	56.3	127	359		202
Lead			3.2		
Magnesium	351	839	546	684	1,020
Manganese	9.8	11.5	2.9	12.9	17.3
Mercury	0.15 J				
Nickel					
Potassium	413	474	294	482	595
Sodium	1,720	3,240	3,120	2,560	1,730
Vanadium			1.6		
Zinc		7.8		8.2	8.0
<i>Explosives (µg/L)</i>					
2,6-Dinitrotoluene					3.4
RDX			12.3 J		
<i>Miscellaneous Analytes (mg/L)</i>					
Sulfate					

^aSite-specific background location.

^bBackground value is the detection limit.

J = Estimated value.

RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine.

Appendices A and B contain COC forms and complete analytical results for the first and second semiannual soil sampling events at SWMU 12A, respectively. Tables 2-3 and 2-4 present a summary for surface soils for each event containing sample dates, sample identification number, sample depth, sample type, and detected results.

2.3 SURFACE WATER AND SEDIMENT SAMPLING

Five co-located surface water and sediment samples (12A-SWS1 through 12A-SWS5) were collected during the Phase II RFI and designated for inclusion in the initial semiannual detection monitoring event (Figure 2-1). The sampling stations were located within the marsh area northeast and east of the unit. Station 12A-SWS1 represents the designated upstream (background) location for surface water and sediment. The sampling stations were marked for future reference for the second semiannual sampling event.

During the second semiannual sampling event, sediment samples were again collected from all five staked locations for stations 12A-SWS1 through 12A-SWS5 (Figure 2-2). Co-located surface water samples could only be collected from station 12A-SWS2 because the other stations were dry at the time of sampling. Appendix D-8 to the RCRA Subpart X permit application specifies collection of only two surface water/sediment samples; thus, the second semiannual event exceeded permit requirements for sediment.

Explosives, SVOCs, metals, and TOC samples were collected and analyzed in accordance with the methods specified in Table D8-5 of the permit application with the following exceptions:

- Penaerythritol tetranitrate (PETN), 4-amino-2,6-dinitrotoluene (4-Am-2,6-DNT), and 2-amino-4,6-dinitrotoluene (2-Am-4,6-DNT) analyses were not conducted during the first and second semiannual sampling event because these compounds were not specified indicators of contamination in the Phase II RFI Work Plan. These constituents are not included within the current normal EPA TCL for Method 8330.
- The following SVOCs were not analyzed during the first and second semiannual event because these compounds were not specified indicators of contamination in the Phase II RFI Work Plan: 4,6-dinitro-2-methylphenol, benzoic acid, benzyl alcohol, and bis(2-chloroisopropyl)ether. These constituents are not included within the current normal EPA TCL for Method 8270A.

Appendices A and B contain complete analytical results and COC forms for the first and second semiannual surface water and sediment sampling events at SWMU 12A, respectively. Tables 2-5 through 2-8 present a summary for surface water and sediment for each event containing sample dates, sample identification number, sample type, analytical method used, and detected results.

Table 2-3. Summary of Analytes Detected in Soil, First CY 1998 Semiannual Sampling Event
(Phase II RFI - January/February 1998)

Station	12A-MW8	12A-MW8	12A-MW9	12A-MW9	12A-MW10	12A-MW10	12A-SS07
Sample ID	121811	121812	121911	121912	121011	121012	127711
Date	01/21/98	01/21/98	01/20/98	01/20/98	01/19/98	01/19/98	01/28/98
Depth (feet)	0 to 1	5 to 7.5	0 to 1	27.5 to 30	0 to 1	27.5 to 30	0 to 1
Sample Type	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Semivolatile Organic Compounds (mg/kg)							
2,4-Dinitrotoluene	0.25						
Bis(2-ethylhexyl)phthalate	0.70						
Di-N-butyl phthalate	0.70	0.241 J					
N-Nitrosodiphenylamine	0.70						
Explosives (mg/kg)							
2,4,6-Trinitrotoluene	0.25						
2,4-Dinitrotoluene	0.25						
HMX	2.20						
RDX	1.00						
Metals (mg/kg)							
Aluminum	3400.00	4,590	13,500	4,250	2,710	2,560	1,500
Antimony	3.00						
Arsenic	2.00	0.92 J	4.7	0.66 J			0.95 J
Barium	20.00	40.6 J	19.2 J	17.7 J	2.8 J	11.7 J	1.9 J
Beryllium	0.60	0.12 J	0.06 J	0.09 J	0.02 J	0.05 J	0.16 J
Cadmium	0.60	0.2 J					0.11 J
Calcium	200.00	546 J		146 J		30.2 J	126 J
Chromium	3.00	2.4	17.7	2.4	3.2	1.9 J	2.1 J
Cobalt	2.00	0.34 J	0.18 J	0.32 J		0.47 J	1.1 J
Copper	2.00	4.5 J	1.3 J	5.1 J	0.37 J	0.32 J	0.48 J
Iron	1200.00	1,650	16,100	1,260	401	766	285
Lead	3.80	4.6 J	13.5 J	4.1 J	3.1 J	2.4 J	1.7 J
Magnesium	200.00	107 J	134 J	102 J	66.3 J	72.5 J	40.9 J
Manganese	20.00	74.9	1.9 J	35.2	1.3 J	30	0.58 J
Mercury	0.20						0.03 J
Nickel	3.00	1.3 J	1.7 J	1.3 J	0.16 J	0.92 J	3.6 J
Potassium	200.00	42 J	154 J	63.6 J	96.3 J	37.6 J	70.9 J
Selenium	0.60		0.92 J				
Silver	2.00						
Sodium	200.00	12.2 J	17.7 J	7.8 J	4.6 J	4.3 J	4.9 J
Vanadium	4.00	4.4 J	35.3	3.5 J	5.5 J	2.5 J	4.8 J
Zinc	3.00	5.8	1.9 J	4.1 J	0.89 J	1.3 J	4.1 J

Table 2-3. Summary of Analytes Detected in Soil, First CY 1998 Semiannual Sampling Event
(Phase II RFI - January/February 1998) (continued)

Station	12A-SS08	12A-SS09	12A-SS10	12A-SS11	12A-SS12	12A-SS13	12A-SS14
Sample ID	127811	127911	127A11	127B11	127C11	127D11	127E11
Date	01/28/98	01/28/98	01/28/98	01/28/98	01/28/98	01/28/98	01/28/98
Depth (feet)	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Sample Type	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Semivolatile Organic Compounds (mg/kg)							
2,4-Dinitrotoluene				1.71	3.75	7.25	4.7
Bis(2-ethylhexyl)phthalate				0.433 J			
Di-N-butyl phthalate	3.21	2.46		0.645 J	1.84	3.69	9.8
N-Nitrosodiphenylamine						0.821	2.3
Explosives (mg/kg)							
2,4,6-Trinitrotoluene		3.43 J		0.187 J			1.12 J
2,4-Dinitrotoluene		0.146 J					1.71 J
HMX	0.215 J	0.179 J					
RDX	0.202 J	0.144 J					
Metals (mg/kg)							
Aluminum	2,660	9,640	2,900	1,950	2,520	2,280	2,640
Antimony		0.53 J		0.32 J	1.1 J	1 J	6.7 J
Arsenic		1 J	0.44 J			0.37 J	0.52 J
Barium	14.3 J	29.3 J	15.2 J	12.7 J	14.2 J	40.5	57.4
Beryllium	0.05 J	0.12 J	0.08 J	0.06 J	0.06 J	0.06 J	0.07 J
Cadmium	0.35 J	0.51 J	0.84 J	0.16 J	0.18 J	0.74 J	2.2
Calcium	144 J	108 J	238 J	76.9 J	55.3 J	151 J	72.2 J
Chromium	2.7	7.9	3.7	1.4 J	1.9 J	2.5	4.1
Cobalt	0.47 J	1 J	0.34 J	0.23 J	0.25 J	0.22 J	0.4 J
Copper	34 J	40.7 J	2.6 J	5.5 J	50.6 J	12.5 J	43.5 J
Iron	1,170 J	4,030 J	1,430 J	750 J	906 J	1,100 J	2,700 J
Lead	46.3	30.8 J	4.9	35.2	71	60.9	418
Magnesium	69.5 J	236 J	107 J	48.1 J	73.4 J	76.4 J	135 J
Manganese	26.4	45.5	60.1	56.3	62.6	57.9	63.9
Mercury		0.03 J	0.02 J	0.03 J	0.02 J		
Nickel	1.3 J	3.7 J	2.4 J	0.68 J	0.98 J	1.4 J	2.7 J
Potassium	37.5 J	141 J	45 J	34.9	37.9 J	42.4 J	65.3 J
Selenium	0.21 J	0.25 J			0.17 J		
Silver							
Sodium						0.26 J	0.61 J
Vanadium	3.9 J	15.1	3.1 J	1.6 J	2.1 J	1.9 J	2.4 J
Zinc	20.2	27.4	8.1	12.8	13.2	74.5	142

HMX = Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine; RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine; and J = Estimated value.
Site background criteria from 1996 Phase I RFI.

Table 2-4. Summary of Analytes Detected in Soil, Second CY 1998 Semiannual Sampling Event (August/September 1998)

Station	Site Background Criteria	12A-SS-08	12A-SS-08	12A-SS-09	12A-SS-10	12A-SS-11	12A-SS-12	12A-SS-13	12A-SS-14
Sample ID		127712	127812	127912	127A12	127B12	127C12	127D12	127E12
Date		08/31/98	08/31/98	08/31/98	08/31/98	08/31/98	08/31/98	08/31/98	08/31/98
Depth (feet)		0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Sample Type		Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Semivolatile Organic Compounds (mg/kg)									
2,4-Dinitrotoluene	0.25						0.299 J		
Di-N-butyl phthalate	0.70						1.19	0.673	0.194J
Metals (mg/kg)									
Aluminum	3400.00	5,920	2,630	3,710	8,120	2,870	3,370	3,260	2,840
Antimony	3.00	0.24	0.24	0.23	0.24	1.0	0.24		0.29
Arsenic	2.00	0.75 J	0.55 J	0.56 J	0.84 J	0.66 J	0.66 J	0.5 J	0.4 J
Barium	20.00	16.7 J	12.7 J	13.1 J	18.5 J	13.4 J	14.4 J	14.1 J	12.7 J
Cadmium	0.60					0.15 J			
Calcium	200.00	127	57.2	40.4	88.2	596	210	56.6	165
Chromium	3.00	5.3	2	3	7.8	2.3	2.3	2.1	2
Cobalt	2.00				0.42				
Copper	2.00	2.8	0.82	0.81	2.3	3.8	3.7	1.9	3.8
Iron	1200.00	2,920	891	1,530	4,100	987	976	1,120	878
Lead	3.80	4.5	2.8	2.9	5.5	22.6	23.8	16.7	21.5
Magnesium	200.00	136	63.1	95.2	178	103	96.9	91.4	81.7
Manganese	20.00	17.4	25.5	10.9	9.5	84.8	77.2	80.9	67.3
Mercury	0.20					0.07 J			0.06 J
Nickel	3.00	2.3	1.1	1.6	2.9	1.5	1.6	1.5	1.3
Potassium	200.00	124	53.3	73.7	191	73.8	91.5	66.2	74.2
Silver	2.00		0.2 J		0.26 J	0.23 J			0.22 J
Sodium	200.00	5.4	6.5	3.8	6.8	6.7	5.0	3.7	4.0
Vanadium	4.00	8.0	2.8	4.2	12.7	2.7	2.6	2.6	2.4
Zinc	3.00	4.7	1.9	2.4	4.0	15.1	8.8	5.6	8.9

J = Estimated value.

Site background criteria from 1996 Phase I RFI.

**Table 2-5. Summary of Analytes Detected in Surface Water, First CY 1998
Semiannual Sampling Event (Phase II RFI - January/February 1998)**

Station	12A-SWS1 ^a	12A-SWS2	12A-SWS3	12A-SWS4	12A-SWS5
Sample ID	123111	123211	123311	123411	123511
Date	01/27/98	01/27/98	01/27/98	01/27/98	01/27/98
Sample Type	Grab	Grab	Grab	Grab	Grab
<i>Explosives (µg/L)</i>					
RDX	0.10 ^b			0.184	
<i>Metals (µg/L)</i>					
Aluminum	844	838	871	1370	958
Barium	13.9 J	14 J	14.2 J	19.3 J	20.3 J
Calcium	2,500	2,380	2,440	2,630	2,640
Chromium	0.7 J	0.84 J	0.98 J	1.1 J	0.81 J
Iron	832	826	863	954	705
Lead	1.3 J	1.1 J	1.2 J	3.7	1.5 J
Magnesium	749	742	759	792	828
Manganese	25.5	25.6	26.6	53	43.6
Mercury	0.10 ^b	0.27			
Potassium	458	449	462	582	692
Sodium	3,220	3,170	3,200	2,970	2,890
Vanadium	2.1 J	2.1 J	2.2 J	2.5 J	2 J
Zinc	8.1	8.2	8.2	14.5	13

^aSite-specific background location.

^bBackground value is the detection limit.

RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine.

J = Estimated value.

Table 2-6. Summary of Analytes Detected in Sediment, First CY 1998 Semiannual Sampling Event
(Phase II RFI - January/February 1998)

Station	12A-SWS1 ^a	12A-SWS2	12A-SWS3	12A-SWS4	12A-SWS5
Sample ID	122111	122211	122311	122411	122511
Date	01/27/98	01/27/98	01/27/98	01/27/98	01/27/98
Sample Type	Grab	Grab	Grab	Grab	Grab
<i>Semivolatile Organic Compounds (mg/kg)</i>					
Di-N-butyl phthalate	0.102 ^b		0.263 J		
<i>Explosives (mg/kg)</i>					
RDX	0.08 ^b				0.17 J
<i>Metals (mg/kg)</i>					
Aluminum	6,490	4,140	5,790	1,950	2,700
Antimony	0.32 ^b		0.62 J		0.42 J
Arsenic	0.94 J		1.7		
Barium	19.1 J	10.6 J	22	8.5 J	39.8 J
Beryllium	0.13 J	0.06 J	0.07	0.05 J	0.1 J
Cadmium	0.17 J	0.12 J	0.32	0.09 J	0.16 J
Calcium	183 J	132 J	637	123 J	1,620 J
Chromium	5.3	3.7 J	8.7	1.8 J	1.9 J
Cobalt	0.37 J	0.16	0.26	0.12 J	0.77 J
Copper	3.6 J	5.4 J	23.3	2.1 J	18.2 J
Iron	3,180 J	2,660 J	8,860	613 J	721 J
Lead	10	14.1	13.9	4.5	12.3
Magnesium	173 J	132 J	185	58.2 J	215 J
Manganese	8.6	6.7	24.4	28	90
Mercury	0.05 J	0.06 J	0.06		0.06 J
Nickel	1.8 J	1 J	1.5	0.72 J	1.1 J
Potassium	119 J	127 J	121	35 J	103 J
Selenium	0.41 J	0.3 J	0.82	0.37 J	0.61 J
Silver	0.1 ^b	0.69 J			
Vanadium	10 J	7.8 J	16.4	2.2 J	2.4 J
Zinc	5.6 J	5.9 J	29.8	4.1 J	18.3

^aSite-specific background location.

^bBackground value is the detection limit.

J = Estimated value.

RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine.

**Table 2-7. Summary of Analytes
Detected in Surface Water,
Second CY 1998 Semiannual
Sampling Event
(August/September 1998)**

Station	12A-SWS-2
Sample ID	123212
Date	09/02/98
Sample Type	Grab
<i>Metals (µg/L)</i>	
Aluminum	1,640
Barium	18 J
Calcium	969
Chromium	1.7 J
Iron	1,040
Lead	1.9 J
Magnesium	500
Manganese	7.7
Potassium	707
Sodium	4,380
Vanadium	1.9

J = Estimated value.

Background station (12A-SWS-4) was dry.

**Table 2-8. Summary of Analytes Detected in Sediment, Second CY 1998
Semiannual Sampling Event (August/September 1998)**

Station	12A-SWS-1 ^a	12A-SWS-2	12A-SWS-3	12A-SWS-4	12A-SWS-5
Sample ID	122112	122212	122311	122412	122512
Date	09/02/98	09/02/98	09/02/98	08/31/98	08/31/98
Sample Type	Grab	Grab	Grab	Grab	Grab
<i>Semivolatile Organic Compounds (µg/kg)</i>					
Di-N-butyl phthalate		487			
<i>Metals (mg/kg)</i>					
Aluminum	4,400	5,300	5,650	1,630	3,010
Antimony	0.51 ^b	0.30		0.23	0.40
Arsenic	0.63 ^b	0.76 J	1.3 J		0.85 J
Barium	19 J	32 J	101 J	6.4 J	41.3 J
Beryllium	0.15		0.53		
Calcium	342	679	1,100	33.5	1,540
Chromium	3.6 J	4.2	4.6 J	1.4 J	2.1 J
Cobalt	0.21	0.37	0.79		0.89
Copper	1.4	5.4	79.3	1.3	17.4
Iron	740	2,600	1,400	423	991
Lead	5.7	14.6	16.7	3.1	13.9
Magnesium	136	199	259	37.8	234
Manganese	4.6	7.4	8.8	14.2	101
Mercury	0.1 J	0.13	0.16 J		
Nickel	1.4	2.2	3.1	0.83	1.8
Potassium	54.7	128	174	21.5	99.7
Selenium	0.5 ^b		0.73 J		
Silver	0.45 ^b				0.45 J
Sodium	26.5	27.2	67.0	2.2	13.7
Vanadium	4.1	6.6	6.5	1.6	2.9
Zinc	3.1	10.6	17.8	2.9	17.4

^aSite-specific background location.

^bBackground value is the detection limit.

J = Estimated value.

3.0 CALENDAR YEAR 1998 DATA EVALUATION

This section presents the hydrogeologic and statistical evaluations required for the detection monitoring program. The CY 1998 detection monitoring data were evaluated using the student's t-test according to the provisions of Appendix D-8 to the RCRA Subpart X permit application. The specified student's t-test compares the mean value of the concentrations of a constituent in designated downgradient locations to a designated representative background concentration. The t-test denotes whether or not the mean downgradient concentration is significantly greater than the concentrations in the established background locations. Multiple comparison tests are not specified in the RCRA Subpart X permit; thus, they were not performed. The identification of background varies depending on the environmental media; thus, each media is presented separately in the following sections. A complete tabulation of the statistical results is contained in Appendix C. Summary results for each media are presented below.

3.1 GROUNDWATER EVALUATION

The CY 1998 groundwater evaluation includes determination of the groundwater surface elevations, flow rates, and groundwater flow direction. Well MW-1 is designated as the site-specific background well for the purpose of statistical comparisons. The designated downgradient locations included wells MW-2 through MW-10. For groundwater media, statistical comparison of downgradient to upgradient constituent concentrations was performed for each semiannual sampling event.

3.1.1 Groundwater Surface Elevations, Flow Rates, and Directions

Figures 3-1 and 3-2 present groundwater surface elevations and the potentiometric surface configuration for the first and second semiannual sampling event, respectively. During the first semiannual sampling event, groundwater flow was to the northeast with a horizontal hydraulic gradient of 0.014 foot/foot. Water level data obtained during the second semiannual event also show a flow direction to the northeast with a horizontal hydraulic gradient of 0.013 foot/foot.

Groundwater flow rates are estimated through empirical methods using: (1) the average observed CY 1998 horizontal hydraulic gradient, (2) the effective porosity values determined from Phase II RFI geotechnical sampling, and (3) the geometric mean of calculated hydraulic conductivity values determined from wells 12A-MW1 through 12A-MW4 installed during the CY 1996 Phase I RFI (Radian 1997). Based on the above assumptions, an estimated groundwater flow rate of 1.55×10^{-5} cm/second (0.04 foot/day) is determined using the modified Darcy equation (Freeze and Cherry 1979):

$$v = Ki/n$$

where:

- v = velocity,
- K = geometric mean hydraulic conductivity of 4.14×10^{-4} cm/second (1.17 foot/day),
- i = average CY 1998 horizontal hydraulic gradient (0.0135 foot/foot),
- n = effective porosity of 0.36 determined from Phase II RFI geotechnical analysis [boring 12A-MW8, 35.0 to 38.0 feet below ground surface (bgs) interval].

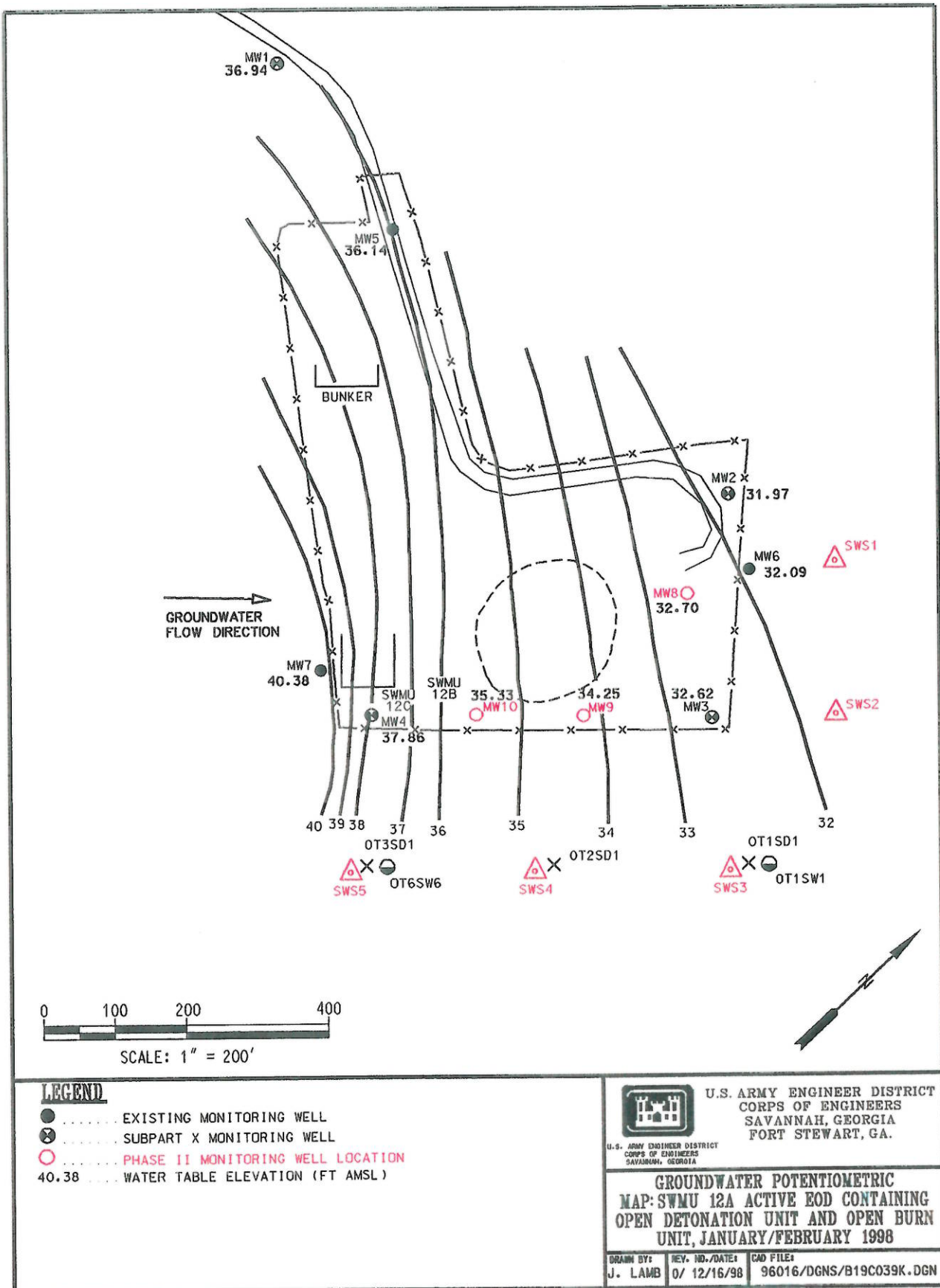


Figure 3-1. Potentiometric Map for SWMU 12A, First Semiannual Sampling Event
(Phase II RFI - January/February 1998)

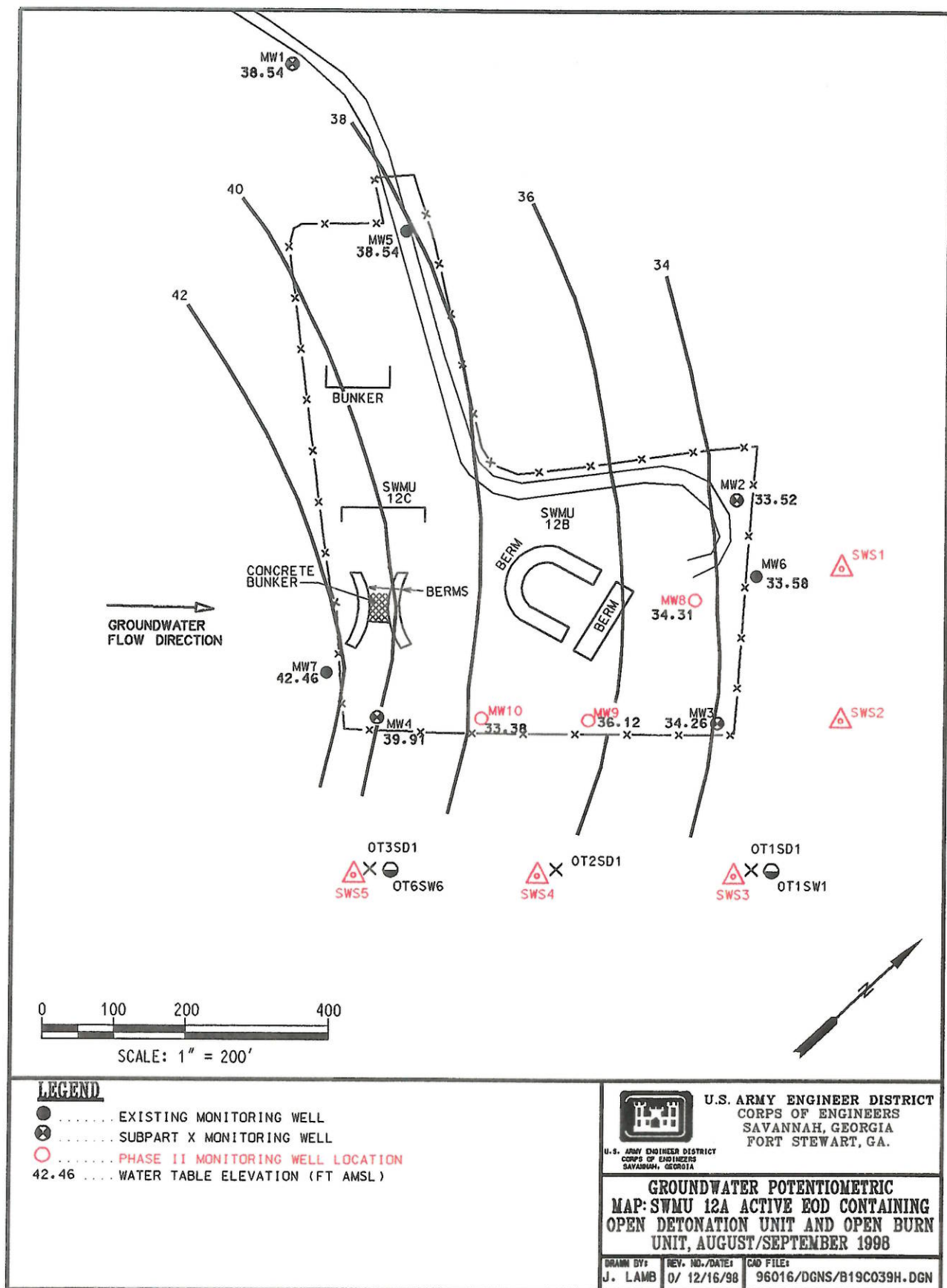


Figure 3-2. Potentiometric Map for SWMU 12A, Second Semiannual Sampling Event (August/September 1998)

A direct measurement of hydraulic conductivity (1.80×10^{-3} cm/second) was also made during geotechnical analysis of the 35.0 to 38.0 feet bgs interval sample from the boring drilled to install well 12A-MW8. Using this direct measurement and the same gradient and effective porosity values denoted above, a flow rate of 6.75×10^{-5} cm/second (0.19 foot/day) is estimated. Although the direct measurement data results in a slightly higher flow rate, the two results are comparable and representative of site conditions.

3.1.2 Statistical Procedures and Results

Monitoring well MW-1 represents the designated background well for SWMU 12A. Monitoring data from wells MW-2 through MW-10 were aggregated and used to calculate a mean concentration for each analyte. QA/QC samples were not included in the data set used to determine the mean downgradient concentrations. Results of the statistical evaluations are contained in Appendix C.

Statistically significant differences between analyte concentrations in the upgradient well and the mean concentrations in the downgradient locations during the first semiannual sampling event include:

- cobalt – detected in 5 of the 9 downgradient locations with a concentration range of 2.9 to 15.8 µg/L. The background value for cobalt in well 12A-MW1 was the detection limit (0.46 µg/L). Direct comparison shows this value was exceeded in downgradient wells 12A-MW2, 12A-MW3, 12A-MW9, and 12A-MW10, in addition to well 12A-MW4 located side gradient to the unit.
- nickel – detected in 5 of the 9 downgradient locations with a concentration range of 3.1 to 18.8 µg/L. The background value for nickel in well 12A-MW1 was the detection limit (1.9 µg/L). Direct comparison shows this value was exceeded in downgradient wells 12A-MW3, 12A-MW9, and 12A-MW10, in addition to well 12A-MW4.

Evaluation of data from the second semiannual sampling event showed that the significant differences for cobalt and nickel in the first event were not repeated. Rather, aluminum and iron were determined to be greater than background as follows:

- aluminum – detected in 9 of 9 downgradient locations with a concentration range of 17.8 to 906 µg/L. The background value for aluminum in well 12A-MW1 was 27.2 µg/L. Direct comparison shows this value was exceeded at all downgradient locations except well 12A-MW2, and in wells 12A-MW4 (side gradient) and 12A-MW7 (upgradient).
- iron – detected in 6 of 7 downgradient locations with a concentration range of 56.3 to 465 µg/L. The background value for iron in well 12A-MW1 was 47.4 µg/L. Direct comparison shows this value was exceeded at all downgradient locations and in wells 12A-MW4 and 12A-MW7.

Potassium was also denoted as significantly greater than background; however, this element is not an indicator of a release as specified in Table D8-2 of Appendix D-8 to the RCRA Subpart X permit.

3.2 SOILS EVALUATION

Analytical data from the eight surface soils samples collected during the first and second semiannual monitoring events were compared to background values established from the surface soil sample (SL1) collected from boring SB1 during the Phase I RFI in 1996. Data were aggregated for each

sampling event and mean concentration for each analyte determined. QA/QC samples were not included in the data set used to determine the mean. Results of the statistical evaluations are contained in Appendix C.

Statistically significant differences between the designated background concentrations and the mean concentrations from site sampling locations during the first semiannual sampling event include:

- copper – detected in 8 of 8 samples with a concentration range of 1.3 to 50.6 mg/kg. The background criterion for copper is the 1996 method detection limit for sample SB1SL1 (2.0 mg/kg). Direct comparison of this criterion to site analytical results shows it was exceeded at every station except 12A-SS7.
- manganese – detected in 8 of 8 samples with a concentration range of 16.3 to 63.9 mg/kg. The background criterion for manganese is 20.0 mg/kg. Direct comparison of this criterion to site analytical results shows it was exceeded at every station except 12A-SS7.
- zinc – detected in 8 of 8 samples with a concentration range of 4.1 to 142 mg/kg. The background criterion for zinc is the 1996 method detection limit for sample SB1SL1 (3.0 mg/kg). Direct comparison of this criterion to site analytical results shows it was exceeded at every station.

Statistical evaluation of the second semiannual sampling event indicated that lead, manganese, and zinc exceeded background as follows:

- lead – detected in 8 of 8 samples with a concentration range of 2.8 to 23.8 mg/kg. The background criterion for lead is 3.8 mg/kg. Direct comparison of this criterion to site analytical results shows it was exceeded at every station except 12A-SS8 and 12A-SS9.
- manganese – detected in 8 of 8 samples with a concentration range of 9.5 to 84.8 mg/kg. The background criterion of 20.0 mg/kg was exceeded at sampling stations 12A-SS8, 12A-SS11, 12A-SS12, 12A-SS13, and 12A-SS14 (direct comparison).
- zinc – detected in 8 of 8 samples with a concentration range of 1.9 to 15.1 mg/kg. The background criterion of 3.0 mg/kg was exceeded at every sampling station except 12A-SS8 (direct comparison).

3.3 SURFACE WATER EVALUATION

Station SWS1 represents the designated background point for SWMU 12A surface water sampling. For the first CY 1998 semiannual sampling event, monitoring data from stations SWS2 through SWS5 were aggregated and used to calculate a mean concentration for each analyte. QA/QC samples were not included in the data set used to determine the mean downgradient concentrations. Results of the available statistical evaluations are contained in Appendix C.

Statistically significant differences between analyte concentrations in the upstream station and the mean concentrations in the downstream locations during the first semiannual sampling event include:

- chromium – detected in 4 of 4 downstream locations, with a concentration range of 0.81 to 1.10 µg/L. The background criterion for chromium is 0.7 µg/L. Direct comparison of this criterion to site analytical results shows it was exceeded at every downstream station.

A surface water sample was only obtained from station SWS2 during the second CY 1998 semiannual sampling event; the remaining stations were dry because of near drought conditions during the third calendar quarter. Hence, statistical comparisons to background were not possible for the second semiannual event.

3.4 SEDIMENT EVALUATION

Station SWS1 represents the designated background point for SWMU 12A sediment sampling. For both the first and second CY 1998 semiannual sampling event, monitoring data from stations SWS2 through SWS5 were aggregated and used to calculate a mean concentration for each analyte. QA/QC samples were not included in the data set used to determine the mean downgradient concentrations. Results of the available statistical evaluations are contained in Appendix C. The t-test comparisons showed no statistically significant differences between analyte concentrations in the upstream sediment station and the mean concentrations in the downstream locations for the first semiannual sampling event.

Statistical evaluation of the second semiannual sampling event data showed that zinc exceeded the background station concentration as follows:

- zinc – detected in 4 of 4 downstream locations, with a concentration range of 2.9 to 17.8 mg/kg. The background value at station 12A-SWS1 was 3.1 mg/kg. This value was exceeded (direct comparison) at all downstream stations except 12A-SWS4.

4.0 CONCLUSIONS

The evaluation of CY 1998 detection monitoring data indicates statistically significant differences between designated background and site data for metals in groundwater, soil, surface water, and sediment. However, based on technical issues regarding sample types and locations, selection of soil background, and operational history of the site, these results do not necessarily indicate that a release has occurred from the site. The omission of TOC analyses for groundwater, the three explosive compounds (all media), and the four SVOCs (all media) does not affect the conclusion that no releases have occurred, because none of the other specified organic constituents exceeded background values. These additional compounds are not likely to be present and will be analyzed beginning in the next semiannual event (first quarter of CY 1999) to verify their absence. The specific conclusions presented below, may, in part, be used to develop a false-positive demonstration for CY 1998 metals results that exceeded background.

4.1 GROUNDWATER

The observed exceedances for cobalt and nickel in the first semiannual sampling event and aluminum and iron in the second event likely do not represent a release of contaminants to groundwater, as denoted in Condition III.D.6 of the RCRA Subpart X permit. Rather, these may represent anomalous detections because the exceedances were not consistently observed. Supporting data include:

- Potentiometric surface elevation data show that wells 12A-MW4 and 12A-MW7 consistently had higher potentiometric surface elevations than the background well (12A-MW1). Thus, well 12A-MW7 appears to represent the background well at the site based on available groundwater flow directions. Well 12A-MW4 is located side gradient relative to the OB Unit and upgradient of the OD Unit; thus, it is not reasonable to conclude that the observed metals within these wells are indicative of a release.
- Metals are not geochemically mobile within the groundwater environment except where pH conditions are skewed (high or low depending on the analyte) by site operations. Such is not the case at SWMU 12A; Phase II RFI data show that pH consistently ranges between 3.1 and 4.6, with the upgradient well (12A-MW7) being the lowest. Other metals known to be indicative of site operations (i.e., copper and lead) were not determined to be significantly greater than background. Explosive compounds were also not identified as significantly greater than background during CY 1998 sampling.
- The site background values for cobalt and nickel were determined to be the analytical detection limit from a single sample from well 12A-MW1. Also, replicate samples are not specified in Appendix D-8 to the RCRA Subpart X permit. Accordingly, insufficient data are available to obtain a representative distribution of the natural variation of metals concentrations in the upgradient well.

4.2 SOILS

Because site soil samples are specified by Appendix D-8 to be collected from within the compliance boundaries of an operating unit, the statistically significant differences observed for copper, manganese, zinc, and lead are likely not indicative of a release from the unit.

Supporting data include:

- Soil is not a transient media with the potential to migrate from the unit except as erosional runoff or as airborne particulates. Rather, these samples indicate only the potential for soil contamination within the compliance boundary of the unit.
- Although site lead values for the second semiannual sampling event exceeded background, none of the samples from the first event exceeded background. Thus, CY 1998 sampling data cannot be used to determine whether a release has occurred.
- Background determined from a single surface sample (Phase I RFI) does not adequately reflect the inherent geochemical variability expected for site soils. All four constituents are naturally occurring in soil; hence, a representative distribution for background concentration is necessary for adequate statistical comparisons.

4.3 SEDIMENT AND SURFACE WATER

Statistical evaluations showed significant differences between analyte concentrations in the upstream sediment station and the mean concentrations in the downstream locations for zinc only in the second sampling event. For surface water, only chromium was identified as a potentially problematic constituent; however, the CY 1998 data do not conclusively indicate a release from the unit based on the following supporting data:

- The site background values for chromium in surface water and zinc in sediment were determined from a single sample from station SWS1, as specified in Appendix D-8 to the RCRA Subpart X permit. Accordingly, insufficient data are available to obtain a representative distribution of the natural variation in metals concentrations at the upgradient station.
- The co-located sediment samples from the surface water sampling stations did not show statistically significant differences for chromium. Furthermore, sediment is not a transient media; thus, routine sampling data may only reflect variability of constituent concentrations due to long-term accumulation from a variety of sources rather than a current release from SWMU 12A.
- The Active EOD Area is located within an active range area, which has a long-term operational history. Miscellaneous munitions components lie within the active range areas and may represent non-point sources of contaminants to surface water runoff and sediment. Without formal assessment of potential upstream contaminant contributions, confirmation of a release to surface water or sediment attributable to SWMU 12A cannot be made.

5.0 REFERENCES

- Environmental Science and Engineering, 1982. *Fort Stewart Military Reservation RCRA Studies: Final Engineering Report*.
- Freeze, A. R., and Cherry, J. A., 1979. *Groundwater*. Prentice-Hall, Inc., Englewood, New Jersey.
- Geraghty and Miller, 1992. *RCRA Facility Investigation Final Work Plan, Fort Stewart, Georgia*, June.
- Radian International LLC, 1997. *Site Characterization Report, Open Burn/Open Detonation Units, Fort Stewart, Georgia*, U.S. Army Corps of Engineers, Mobile District, DACA01-95-D-0015, January.
- Science Applications International Corporation (SAIC), 1997. *Sampling and Analysis Plan for Phase II RCRA Facility Investigations of 16 Solid Waste Management Units at Fort Stewart, Georgia* (Revised Final), October.
- U.S. Army Environmental Hygiene Agency (USAEHA), 1987. *Evaluation of Solid Waste Management Units, Fort Stewart Georgia (Interim Final Report)*, Hazardous Waste Consultation No. 37-26-1382-88.
- U.S. Army Environmental Hygiene Agency (USAEHA), 1988. *Investigation of Soil Contamination*, Hazardous Waste Consultation No. 37-26-0127-88.

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APPENDIX A

**FIRST CY 1998 SEMIANNUAL SAMPLING EVENT
(PHASE II RFI - JANUARY/FEBRUARY 1998)
CHAIN-OF-CUSTODY SHEETS AND ANALYTICAL RESULTS**

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**CHAIN-OF-CUSTODY
FORMS**

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CHAIN OF CUSTODY RECORD

COC NO.:

PROJECT NAME: Fort Stewart-16 SWMU.

PROJECT NUMBER: 01-0331-04-7328-200

PROJECT MANAGER: Jeff Longaker

(Printed Name)

Laura Lumley

Printed Name: _____

Sample ID	Date Collected	Time Collected	Matrix
121812	1/21/98	1020	soil
121811	1/21/98	945	
121821	1/21/98	945	
291951	1/21/98	1151	↓
724311	1/21/98	1609	water
8E4611	1/21/98	907	
8E4411	1/21/98	848	
77F4121	1/20/98	915	
8C4311	1/21/98	1426	
724211	1/21/98	1521	
8C4211	1/21/98	1525	
77F4111	1/20/98	915	↓

REQUESTED PARAMETERS

[illegible]

LABORATORY NAME:
General Engineering Lab

LABORATORY ADDRESS:
2040 Savage Road
Charleston, SC 29417

PHONE NO: (803) 558-8171

OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
------------------	---

9801529246 on 10/14

RELINQUISHED BY:

RELINQUISHED BY: Sara Lumb
COMPANY NAME: _____

Date/Time

RECEIVED BY:

RECEIVED BY: [Signature]
COMPANY NAME: _____

2009-03-08

TOTAL NUMBER OF CONTAINERS: 711

Cooler Temperature: 1/DC

COMPANY NAME:

COMPANY NAME: Shoreline Press

11/10

SIGNATURE:

二

Cooler ID:

10

SENEY NUMBER:

RECEIVED BY:

RECEIVED BY: Mr. K. K. K.
COMPANY NAME: _____

Date/Time:

BEI INOITEN BV.

Date/TIME:

RELINQUISHED BY:

RELINQUISHED BY: [Signature]
COMPANY NAME:

Date/Time

RECEIVED BY:

Data Time

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CHAIN OF CUSTODY RECORD

COC NO.: 60049

PROJECT NAME: Fort Stewart-16 SWMUs				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory						
PROJECT NUMBER: 01-0331-04-7328-200																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417						
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 558-8171						
Sampler (Signature): <i>James Under Lonsdale</i> (Printed Name)																		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS						
Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Pest-PCBs	SVOC, Pest-PCBs	RCRA Metals	Dissolved RCRA Metals	Lead	Dissolved Lead	Sulfate	SVOC, Metals (12A List)	Metals (12A List)	Dissolved Metals (12A List)	TOC	Oil & Grease	Total Phenols	pH	No. of Bottles/Vials	
7X4141	1/27/98	1030	water			X																		2
7X4311	1/27/98	1150				X																		2
7X4411	1/27/98	1330				X																		2
7X4211	1/27/98	950				X																		2
7X4111	1/27/98	1050				X																		2
123411	1/27/98	1115	↓			X																		1
<i>James Under Lonsdale</i>																								
<i>SAIC</i>																								
RELINQUISHED BY: <i>James Under Lonsdale</i>		Date/Time: 1/29/98		RECEIVED BY: <i>Ramona Reed</i>		Date/Time: 1-29-98		TOTAL NUMBER OF CONTAINERS: 11														Cooler Temperature: 4°C		
COMPANY NAME: SAIC				COMPANY NAME: GEL				Cooler ID: #3600														FEDEX NUMBER:		
RECEIVED BY:		Date/Time:		RELINQUISHED BY:		Date/Time:																		
COMPANY NAME:				COMPANY NAME:																				
RELINQUISHED BY:		Date/Time:		RECEIVED BY:		Date/Time:																		
COMPANY NAME:				COMPANY NAME:																				

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CHAIN OF CUSTODY RECORD

COC NO.: 60050

PROJECT NAME: Fort Stewart-16 SWMUa				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory					
PROJECT NUMBER: 01-0331-04-7328-200																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171					
Sampler (Signature) <i>Laura Lumley</i>																		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS					
Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Post-PCBs	SVOC, Post-PCBs	RCRA Metals	Discolored RCRA Metals	Lead	Discolored Lead	Sulfate	SVOC, Metals (12A List)	Metals (12A List)	Discolored Metals (12A List)	TOC	Oil & Grease	Total Phosphate	No. of Bottles/Vials	
7M4311	1/27/98	1450	water																				2
7X1141	1/27/98	905																					2
7M4411	1/28/98	1350																					2
K64451	1/27/98	921																					1
K64452	1/27/98	1007																					1
K64453	1/27/98	1119																					1
123221	1/27/98	1445	↓																				2
																		Cooler Temperature: 40C					
																		FEDEX NUMBER:					
RECEIVED BY: <i>David Reel</i>				TOTAL NUMBER OF CONTAINERS: 11																			
COMPANY NAME: SAIC				Cooler ID: #269																			
RECEIVED BY:				Date/Time: 1-29-98																			
COMPANY NAME:				Date/Time: 13:05																			
RECEIVED BY:				Date/Time:																			
COMPANY NAME:				Date/Time:																			
RECEIVED BY:				Date/Time:																			
COMPANY NAME:				Date/Time:																			

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CHAIN OF CUSTODY RECORD

COC NO.:

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CHAIN OF CUSTODY RECORD

COC NO. 50052

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CHAIN OF CUSTODY RECORD

COC NO.: 60054

PROJECT NAME: Fort Stewart-16 SWIMUs				REQUESTED PARAMETERS															LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7328-200				VOC Explosives SVOC SVOC, Lead SVOC, RCRA Metals SVOC, RCRA Metals, Post-PCBs SVOC, RCRA Metals, Post-PCBs SVOC, Post-PCBs RCRA Metals Dissolved RCRA Metals Lead Dissolved Lead Sulfate SVOC, Metals (12A List) Metals (12A List) Dissolved Metals (12A List) TOC Oil & Grease Total Phenols pH No. of Bottles/Vials:															LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Jeff Longaker																			PHONE NO: (803) 558-8171	
Sampler (Signature) Laura Lumley (Printed Name)																			OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix																OVA SCREENING	
8A4241	1/26/98	845	water																	
8B4211	1/26/98	1000																		
7Y4111	1/27/98	1730																		
7R4111	1/28/98	1420																		
123111	1/27/98	1535	↓																	
 David Summey (Printed Name)				 David Summey (Printed Name)																
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 11															Cooler Temperature: 4°C	
COMPANY NAME: SAIC	1/29/98	David Summey	1/29/98	Cooler ID: #61															FEDEX NUMBER:	
				RELINQUISHED BY:																
				COMPANY NAME:																
				RELINQUISHED BY:																
				COMPANY NAME:																

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CHAIN OF CUSTODY RECORD

COC NO.:

PROJECT NAME: Fort Stewart-16 SWMU.

PROJECT NUMBER: 01-0331-04-7328-200

PROJECT MANAGER: Jeff Longaker

Signature

(Printed Name)

Quora Qumby Laura Lumley

(Printed Name)

Sample ID	Date Collected	Time Collected	Matrix
294Y51	1/28/98	1745	water
294Y52	1/28/98	1831	
294Y53	1/28/98	1832	
294Y54	1/28/98	1835	
294X51	1/28/98	1915	
294X52	1/28/98	1953	
294X54	1/28/98	1960	
294F51	1/28/98	1960	
294G51	1/28/98	1953	

[illegible][illegible]

RELINQUISHED BY: <i>Bruce D. Underwood</i>	Date/Time <i>1/29/98</i>	RECEIVED BY: <i>Raymond Reed</i>	Date/Time <i>1-29-98</i>
COMPANY NAME: <i>SAIC</i>		COMPANY NAME: <i>CEL</i>	
RECEIVED BY:	Date/Time	RELINQUISHED BY:	Date/Time
COMPANY NAME:		COMPANY NAME:	
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
COMPANY NAME:		COMPANY NAME:	

TOTAL NUMBER OF CONTAINERS: 11	Cooler Temperature: 40C
Cooler ID: #303	FEDEX NUMBER:

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CHAIN OF CUSTODY RECORD

COC NO.: 58059

PROJECT NAME: Fort Stewart-16 SWMUa				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory					
PROJECT NUMBER: 01-0331-04-7328-200																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171					
Supplier (Signature) <i>Laura Lumley</i>																		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS					
Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Post-PCBs	SVOC, Post-PCBs	RCRA Metals	Dissolved RCRA Metals	Lead	Dissolved Lead	Sulfate	SVOC, Metals (12A List)	Metals (12A List)	Dissolved Metals (12A List)	TOC	Oil & Grease	Total Phenols	No. of Bottles/Vials	
GB4311	1/26/98	1020	water																				2
GB4311	1/26/98	1540																					2
GB4411	1/26/98	1505																					1
GB4121	1/26/98	1420																					1
GB4411	1/26/98	1600																					1
127941	1/26/98	1745																					1
164V53	1/27/98	1539																					1
164V54	1/27/98	1701																					1
																		Cooler Temperature: 40C					
																		FEDEX NUMBER:					
RELINQUISHED BY: <i>Laura Lumley</i>				Date/Time 1/29/98		RECEIVED BY: <i>Raymond Reed</i>		Date/Time 1-29-98		TOTAL NUMBER OF CONTAINERS: 12										Cooler ID: # 284			
COMPANY NAME: SAIC						COMPANY NAME: G.E.L.																	
RECEIVED BY:				Date/Time		RELINQUISHED BY:		Date/Time															
COMPANY NAME:						COMPANY NAME:																	
RELINQUISHED BY:				Date/Time		RECEIVED BY:		Date/Time															
COMPANY NAME:						COMPANY NAME:																	

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CHAIN OF CUSTODY RECORD

COC NO.: 50060

PROJECT NAME: Fort Stewart-16 SWMU's				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory						
PROJECT NUMBER: 01-0331-04-7328-200																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417						
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 558-8171						
Supplier (Signature) <i>James Underley</i>				(Printed Name) Laura Underley														OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS						
Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Pest-PCBs	SVOC, Pest-PCBs	RCRA Metals	Dechlorinated RCRA Metals	Lead	Dechlorinated Lead	Sulfate	BVOC, Metals (12A List)	Metals (12A List)	Dechlorinated Metals (12A List)	TOC	Oil & Grease	Total Phenols	pH	No. of Bottles/Vials	
7M4111	1/27/98	1200	water										X	X										2
7M4311	1/27/98	1450											X	X										2
8A4411	1/28/98	1100											X	X										2
7M4211	1/27/98	1045											X	X										2
123111	1/27/98	1535																						1
123211	1/27/98	1445																						1
123221	1/27/98	1445																						1
123411	1/27/98	1115																						1
123311	1/27/98	1350																						1
123511	1/27/98	1005																						1
7X4211	1/27/98	950											X	X										2
				JL																				
RELINQUISHED BY: <i>James Underley</i>				Date/Time 1/29/98		RECEIVED BY: <i>Daniel Reed</i>		Date/Time 1-25-98		TOTAL NUMBER OF CONTAINERS: 76		Cooler Temperature: 40C												
COMPANY NAME: SAIC						COMPANY NAME: GEL				Cooler ID: # 276		FEDEX NUMBER:												
RECEIVED BY:				Date/Time		RELINQUISHED BY:		Date/Time																
COMPANY NAME:						COMPANY NAME:																		
RELINQUISHED BY:				Date/Time		RECEIVED BY:		Date/Time																
COMPANY NAME:						COMPANY NAME:																		

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CHAIN OF CUSTODY RECORD

COC NO.: 50061

PROJECT NAME: Fort Stewart-16 SWMUa				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory										
PROJECT NUMBER: 01-0331-04-7328-200																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417										
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 558-8171										
Sample ID				Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Post-PCBs	SVOC, Post-PCBs	RCRA Metals	Dissolved RCRA Metals	Lead	Dissolved Lead	Sulfate	SVOC, Metals (12A List)	Metals (12A List)	Dissolved Metals (12A List)	TOC	Oil & Grease	Total Phenols	pH	No. of Bottles/Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
Sample (Signature) Laura Lumley				(Printed Name) Laura Lumley																								
127941	1/26/98	1745	water																							1		
173111	1/28/98	1530																								1		
173211	1/26/98	1540																								1		
FX4311	1/27/98	1150																								2		
FX4411	1/27/98	1330																								2		
FX4111	1/27/98	1030																								2		
FX4141	1/27/98	1030																								1		
FX1141	1/27/98	905																								1		
FM4411	1/26/98	1350																								2		
FM4231	1/27/98	1045																								2		
FM4321	1/27/98	1450																								2		
BA4111	1/28/98	955																								2		
BA4211	1/28/98	915																								2		
RELINQUISHED BY: Laura Lumley				Date/Time 1/29/98	RECEIVED BY: Raymond Reed				Date/Time 1-29-98	TOTAL NUMBER OF CONTAINERS: 19														Cooler Temperature: 4°C				
COMPANY NAME: SAIC				COMPANY NAME: GEL				Cooler ID: # 359														FEDEX NUMBER:						
RECEIVED BY:				Date/Time	RELINQUISHED BY:				Date/Time																			
COMPANY NAME:				COMPANY NAME:																								
RELINQUISHED BY:				Date/Time	RECEIVED BY:				Date/Time																			
COMPANY NAME:				COMPANY NAME:																								

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10/2

CHAIN OF CUSTODY RECORD

COC NO.: 60063

PROJECT NAME: Fort Stewart-16 SWMUe				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory					
PROJECT NUMBER: 01-0331-04-7328-200				No. of Bottles / Vials: 8														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Jeff Longaker				PHASE														PHONE NO: (803) 558-8171					
Sampler (Signature) James Under Lousa-Lumley				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS																			
Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Post-PCBs	SVOC, Post-PCBs	RCRA Metals	Dissolved RCRA Metals	Lead	Dissolved Lead	Sulfate	SVOC, Metals (12A List)	Metals (12A List)	Dissolved Metals (12A List)	TOC	Oil & Grease	Total Phenols	PH	
8B4311	1/26/98	1020	Water											X	X								8
8B4411	1/28/98	1120												X	X								8
7Y4111	1/27/98	1730												X	X								8
8C4111	1/28/98	1455												X	X								8
8B4211	1/28/98	1220												X	X								8
8B4111	1/28/98	1400												X	X								8
7R4411	1/26/98	1505												X	X								8
7T4211	1/28/98	1750												X	X								1
7R4311	1/26/98	1540												X	X								1
7Y4141	1/27/98	1725												X	X								1
8B4141	1/29/98	1345												X	X								1
8B1241	1/29/98	1150	↓											X	X								1
031812	1/27/98	1100	Soil	X																			2
RELINQUISHED BY: James Under Lousa-Lumley	Date/Time 1/29/98	RECEIVED BY: Randy Reed		Date/Time 1-29-98	TOTAL NUMBER OF CONTAINERS: Cooler ID: # 178														Cooler Temperature: 40C				
COMPANY NAME: SALIC	RELINQUISHED BY:		COMPANY NAME: GEL		Cooler ID: # 178														FEDEX NUMBER:				
RECEIVED BY:	Date/Time	RELINQUISHED BY:		Date/Time	Date/Time														Date/Time				
COMPANY NAME:	COMPANY NAME:		COMPANY NAME:		Date/Time														Date/Time				
RELINQUISHED BY:	Date/Time	RECEIVED BY:		Date/Time	Date/Time														Date/Time				
COMPANY NAME:	COMPANY NAME:		COMPANY NAME:		Date/Time														Date/Time				



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COC NO.: 60063

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart-16 SWNUe				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory					
PROJECT NUMBER: 01-0331-04-7328-200																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 558-8171					
Sample (Signature): <i>Laura Lumley</i>																		OVA SCREENING		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS			
Sample ID				Date Collected		Time Collected		Matrix		No. of Bottles/Vials:													
031811				1/27/98		1100		Soil		2													
7X1411				1/27/98		1310				2													
7X1111				1/27/98		1021				2													
7X1311				1/27/98		1120				2													
7X1211				1/27/98		925				2													
7M1211				1/27/98		950				2													
7M1311				1/27/98		1440				2													
7M1411				1/27/98		1310				2													
7M1121				1/27/98		1130				2													
122411				1/27/98		1120				2													
122421				1/27/98		1120				2													
122511				1/27/98		1015				2													
031611				1/27/98		1100		↓		2													
RELINQUISHED BY: <i>Laura Lumley</i>				Date/Time 1/27/98		RECEIVED BY: <i>Ramphel</i>		Date/Time 1-29-98		DATE/TIME										TOTAL NUMBER OF CONTAINERS: 47		Cooler Temperature: 40C	
COMPANY NAME: SAIC						COMPANY NAME: GEL				DATE/TIME										Cooler ID: #178		FEDEX NUMBER:	
RECEIVED BY:				Date/Time		RELINQUISHED BY:		Date/Time		DATE/TIME													
COMPANY NAME:						COMPANY NAME:				DATE/TIME													
RELINQUISHED BY:				Date/Time		RECEIVED BY:		Date/Time		DATE/TIME													
COMPANY NAME:						COMPANY NAME:				DATE/TIME													



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CHAIN OF CUSTODY RECORD

COC NO.: 60064

PROJECT NAME: Fort Stewart-16 SWMUa				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory							
PROJECT NUMBER: 01-0331-04-7328-200																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417							
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171							
Sampler (Signature) <i>David Sunday</i>				Sampler (Printed Name) David Sunday Laura Humley														OVA SCREENING		OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS					
Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Pest-PCBs	SVOC, RCRA Metals	RCRA Metals	Dissolved RCRA Metals	Lead	Dissolved Lead	Sulfate	SVOC, Metals (12A List)	Metals (12A List)	Dissolved Metals (12A List)	TOC	Oil & Grease	Total Phenols	pH	No. of Bottles/Vials		
7Y1211	1/27/98	1540	Soil	X																				2	
7Y1111	1/27/98	1718		X																				2	
7Y1311	1/27/98	1500		X																				2	
7Y1411	1/27/98	1625		X																				2	
7M1111	1/27/98	1130		X																				2	
031712	1/27/98	1550		X																				2	
031711	1/27/98	1535		X																				2	
031612	1/27/98	1200		X																				2	
021611	1/27/98	1610		X																				2	
021612	1/27/98	1620		X																				2	
8A1311	1/28/98	1130		X																				2	
8A1211	1/28/98	830		X																				2	
8A1411	1/28/98	1030	↓	X																				2	
RELINQUISHED BY: <i>David Sunday</i>				RECEIVED BY: <i>Randy Reel</i>																					
COMPANY NAME: SAIC				COMPANY NAME: GEL																					
RECEIVED BY:				RELINQUISHED BY:				Date/Time 1-29-98				Date/Time 13.10				COOLER ID: #394				COOLER TEMPERATURE: 40C					
COMPANY NAME:				COMPANY NAME:				Date/Time				Date/Time				FEDEX NUMBER:									
RELINQUISHED BY:				RECEIVED BY:				Date/Time				Date/Time													
COMPANY NAME:				COMPANY NAME:				Date/Time				Date/Time													



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CHAIN OF CUSTODY RECORD

COC NO.: 67065

PROJECT NAME: Fort Stewart-16 SWMUs				REQUESTED PARAMETERS														LABORATORY NAME: General Engineering Laboratory										
PROJECT NUMBER: 01-0331-04-7328-200																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417										
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171										
Sample ID				Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Pest-PCBs	SVOC, PCRs	RCRA Metals	Desolved RCRA Metals	Lead	Desolved Lead	Sulfate	SVOC, Metals (12A List)	Metals (12A List)	Desolved Metals (12A List)	TOC	Oil & Grease	Total Phenols	pH	No. of Bottles / Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
311121	1/28/98	1015	Soil	X			X																			2		
311112	1/28/98	1030		X			X																			2		
311211	1/28/98	1315		X			X																			2		
311312	1/28/98	1445		X			X																			2		
311311	1/28/98	1430		X			X																			2		
311111	1/28/98	1015		X			X																			2		
177111	1/28/98	1557		X			X																			2		
177221	1/28/98	1540		X			X																			2		
177311	1/28/98	1610		X			X																			2		
172111	1/28/98	1530		X			X																			2		
177211	1/28/98	1605		X			X																			2		
SC1111	1/28/98	1435		X			X																			2		
SC1411	1/28/98	1540		X			X																			2		
RELINQUISHED BY: Laura Lumley	DATE/TIME: 1/29/98	RECEIVED BY: Paul Reed	DATE/TIME: 1/29/98	TOTAL NUMBER OF CONTAINERS: 32																								COOLER TEMPERATURE: 4°C
COMPANY NAME: SAIC		COMPANY NAME: GEL		COOLER ID: 1310																								FEDEX NUMBER:
RECEIVED BY:	DATE/TIME:	RELINQUISHED BY:	DATE/TIME:																									
COMPANY NAME:		COMPANY NAME:																										
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:																									
COMPANY NAME:		COMPANY NAME:																										



COC NO.:

PROJECT MANAGER: Jeff Longaker

Laura Lumley

Sample ID	Date Collected	Time Collected	Matrix
7R1111	1/28/98	1410	Soil
7R1311	1/28/98	1350	
7R1321	1/28/98	1350	
7R1411	1/28/98	1450	
7T1211	1/28/98	1715	
127811	1/28/98	1625	
127711	1/28/98	1625	
127721	1/28/98	1625	
1277C11	1/28/98	1645	
1277D11	1/28/98	1640	
1277E11	1/28/98	1637	
1277B11	1/28/98	1630	

LABORATORY NAME:

General Engineering Laboratory

LABORATORY ADDRESS:
2040 Savage Road
Charleston, SC 29417

PHONE NO: (803) 556-8171

OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS

[illegible]

RECEIVED BY:

NY NAME:

RELINQUISHED BY:

COMPANY NAME:

RECEIVED BY:

COMPANY NAME:

TOTAL NUMBER OF CONTAINERS:

Cooler ID:

Cooler Temperature:

FEDEX NUMBER:



CHAIN OF CUSTODY RECORD

COC NO.: 000000

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart-16 SWMUs						REQUESTED PARAMETERS										LABORATORY NAME: General Engineering Laboratory							
PROJECT NUMBER: 01-0331-04-7328-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417							
PROJECT MANAGER: Jeff Longaker																PHONE NO: (803) 556-8171							
Sample (Signature) <i>Laura Lumley</i>																OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS						
Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Part-PCBs	SVOC, Part-PCBs	RCRA Metals	Dissolved RCRA Metals	Lead	Dissolved Lead	Sulfate	SVOC, Metals (12A List)	Metals (12A List)	Dissolved Metals (12A List)	TOC	Oil & Grease	Total Phenols	pH	No. of Bottles/Vials:
127A11	1/26/98	1640	soil	X	X																		2
127A11	1/26/98	1625	↓	X	X																		2
311212	1/26/98	1330	↓	X	X																		2
7M4321	1/27/98	1450	Water	X	X																		2
184V53	1/27/98	1539	↓	X	X																		2
184V52	1/27/98	1504	↓	X	X																		2
184V51	1/27/98	1429	↓	X	X																		2
184U51	1/27/98	921	↓	X	X																		2
184U52	1/27/98	1007	↓	X	X																		2
184U53	1/27/98	1119	↓	X	X																		2
7M4211	1/27/98	1045	↓	X	X																		2
7M4111	1/27/98	1200	↓	X	X																		2
7M4411	1/27/98	1350	↓	X	X																		2
RELINQUISHED BY: <i>Laura Lumley</i>				Date/Time 1/29/98		RECEIVED BY: <i>Randy Reed</i>		Date/Time 1-29-98		TOTAL NUMBER OF CONTAINERS: Cooler Temperature: 40C										FEDEX NUMBER:			
COMPANY NAME: SAIC						COMPANY NAME: GEL		Date/Time 13:10		#209													
RECEIVED BY:				Date/Time		RELINQUISHED BY:				Date/Time													
COMPANY NAME:						COMPANY NAME:																	
RELINQUISHED BY:				Date/Time		RECEIVED BY:				Date/Time													
COMPANY NAME:						COMPANY NAME:																	



CHAIN OF CUSTODY RECORD

COC NO.: 60060

[illegible]



CHAIN OF CUSTODY RECORD

COC NO.:

505

Section 1 Section 2 Section 3 Section 4 Section 5 Section 6 Section 7 Section 8 Section 9 Section 10 Section 11 Section 12 Section 13 Section 14 Section 15 Section 16 Section 17 Section 18 Section 19 Section 20 Section 21 Section 22 Section 23 Section 24 Section 25 Section 26 Section 27 Section 28 Section 29 Section 30 Section 31 Section 32 Section 33 Section 34 Section 35 Section 36 Section 37 Section 38 Section 39 Section 40 Section 41 Section 42 Section 43 Section 44 Section 45 Section 46 Section 47 Section 48 Section 49 Section 50 Section 51 Section 52 Section 53 Section 54 Section 55 Section 56 Section 57 Section 58 Section 59 Section 60 Section 61 Section 62 Section 63 Section 64 Section 65 Section 66 Section 67 Section 68 Section 69 Section 70 Section 71 Section 72 Section 73 Section 74 Section 75 Section 76 Section 77 Section 78 Section 79 Section 80 Section 81 Section 82 Section 83 Section 84 Section 85 Section 86 Section 87 Section 88 Section 89 Section 90 Section 91 Section 92 Section 93 Section 94 Section 95 Section 96 Section 97 Section 98 Section 99 Section 100	Section 101 Section 102 Section 103 Section 104 Section 105 Section 106 Section 107 Section 108 Section 109 Section 110 Section 111 Section 112 Section 113 Section 114 Section 115 Section 116 Section 117 Section 118 Section 119 Section 120 Section 121 Section 122 Section 123 Section 124 Section 125 Section 126 Section 127 Section 128 Section 129 Section 130 Section 131 Section 132 Section 133 Section 134 Section 135 Section 136 Section 137 Section 138 Section 139 Section 140 Section 141 Section 142 Section 143 Section 144 Section 145 Section 146 Section 147 Section 148 Section 149 Section 150 Section 151 Section 152 Section 153 Section 154 Section 155 Section 156 Section 157 Section 158 Section 159 Section 160 Section 161 Section 162 Section 163 Section 164 Section 165 Section 166 Section 167 Section 168 Section 169 Section 170 Section 171 Section 172 Section 173 Section 174 Section 175 Section 176 Section 177 Section 178 Section 179 Section 180 Section 181 Section 182 Section 183 Section 184 Section 185 Section 186 Section 187 Section 188 Section 189 Section 190 Section 191 Section 192 Section 193 Section 194 Section 195 Section 196 Section 197 Section 198 Section 199 Section 200
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CHAIN OF CUSTODY RECORD

COC NO.: 60103

PROJECT INFORMATION				REQUESTED PARAMETERS														LABORATORY INFORMATION					
PROJECT NAME: Fort Stewart-18 SWRU6																		LABORATORY NAME: General Engineering Laboratory					
PROJECT NUMBER: 01-0331-04-7328-200																		LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Jeff Longaker																		PHONE NO: (803) 556-8171					
Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Part-PCBs	SVOC, RCRA Metals, Part-PCBs	RCRA Metals	Dispersed RCRA Metals	Lead	Dispersed Lead	Sulfides	SVOC, Metals (12A List)	Metals (12A List)	Dispersed Metals (12A List)	OR & Bypass	Total Phosphate	#	No. of Bottles/Vials	
124311	2/17/98	1150	water		XX																	4	9802541-03.11
124411	2/17/98	940	↓		XX																	4	9802541-04.11
124911	2/17/98	1135	↓		XX																	76	9802541-08.12
2/17/98 2/17/98 2/17/98																							
RELINQUISHED BY: <i>David Lunder</i>				RECEIVED BY: <i>David Lunder</i>				Date/Time: 2/19/98				TOTAL NUMBER OF CONTAINERS: 15				Cooler Temperature: 40C							
COMPANY NAME: SA-IC				COMPANY NAME: GEL				Date/Time: 1630				Cooler ID: # 438				FEDEX NUMBER:							
RECEIVED BY: <i>Paul Woods</i>				RELINQUISHED BY:				Date/Time: 2/19/98				See GEL Chain of Custody											
COMPANY NAME: GEL				COMPANY NAME:				Date/Time: 1630															
RELINQUISHED BY: <i>Paul Woods</i>				RECEIVED BY:				Date/Time: 2/19/98															
COMPANY NAME: GEL				COMPANY NAME:				Date/Time: 1630															

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COC NO.:

CHAIN OF CUSTODY RECORD

COC NO.:

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A-43

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CHAIN OF CUSTODY RECORD

COC NO.: 60107

LABORATORY NAME:
General Engineering Laboratory

LABORATORY ADDRESS:
2040 Savage Road
Charleston, SC 29417

PHONE NO: (803) 558-8171

DATE: 2/17/98

COOLER TEMPERATURE: 40C

FEDEX NUMBER:

REQUESTED PARAMETERS	PH	Total Phosphorus	OR & Gross	TOC	Dissolved Metals (12A Ltd)	Metals (12A Ltd)	SVOC, Metals (12A Ltd)	Settles	Dissolved Lead	Lead	Dissolved RCRA Metals	RCRA Metals	SVOC, PAH/PCBs	SVOC, RCRA Metals, PAH/PCBs	SVOC, RCRA Metals	SVOC, Lead	SVOC	Explosives	VOC
124341	1																		X
344111	4																		X
344211	3																		X
344311	3																		X
324211	3																		X
034511	3																		X
034711	3																		X
174111	3																		X
324111	3																		X
034611	3																		X
034611	3																		X
TB1635	3																		X
TB1636	3																		X

COOLER TEMPERATURE: 40C

FEDEX NUMBER:

TOTAL NUMBER OF CONTAINERS: #398

COOLER ID:

PROJECT NAME: Fort Stewart-16 SWNUC	PROJECT NUMBER: 01-8331-04-7328-200	PROJECT MANAGER: Jeff Longaker	Signature (Signature)	Date Collected	Time Collected	Matrix
			James Dumbrey	2/17/98	1700	water
			2/16/98	1230		
			2/16/98	1530		
			2/16/98	1645		
			2/16/98	1830		
			2/16/98	1545		
			2/16/98	1845		
			2/16/98	1000		
			2/16/98	1915		
			2/17/98	1500		
			2/16/98	1600		
			2/16/98	745		
			2/17/98	745		

RECEIVED BY: [Signature]

COMPANY NAME: GEL

RELINQUISHED BY: [Signature]

COMPANY NAME: GEL

RECEIVED BY: [Signature]

COMPANY NAME: GEL

RELINQUISHED BY: [Signature]

COMPANY NAME: GEL

COC NO.: G 01027

CHAIN OF CUSTODY RECORD

888 Out Miles Turnpike, Oak Ridge, TN 37831 (423) 481-6888

PROJECT NAME: Fort Stewart-16 SWMUc				LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-0331-04-7326-280				LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Jeff Longaker				PHONE NO: (803) 556-8171			
Sample ID		Date Collected		Time Collected		Matrix	
IB1637		2/18/98		745		water X	
Sample (Signature)		Date Collected		Time Collected		Matrix	
James Lumsden		2/18/98		745		water X	
PROJECT MANAGER: Jeff Longaker		Date Collected		Time Collected		Matrix	
2/18/98		745		745		water X	
LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417		Date Collected		Time Collected		Matrix	
2/18/98		745		745		water X	
PHONE NO: (803) 556-8171		Date Collected		Time Collected		Matrix	
2/18/98		745		745		water X	
OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS		Date Collected		Time Collected		Matrix	
9802537-06		2/18/98		745		water X	
OVA		Date Collected		Time Collected		Matrix	
SCHEMINGS		2/18/98		745		water X	
No. of Bottles/Vials		Date Collected		Time Collected		Matrix	
2		2/18/98		745		water X	
pH		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
Total Phenols		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
OH & Grease		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
TOC		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
Dissolved Metals (12A List)		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
Metals (12A List)		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
SVOC, Metals (12A List)		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
Sulfides		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
Dissolved Lead		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
Lead		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
Dissolved RCRA Metals		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
RCRA Metals		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
SVOC, Part PCBs		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
SVOC, RCRA Metals, Part PCBs		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
SVOC, RCRA Metals		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
SVOC, Lead		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
SVOC		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
Explosives		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
VOC		Date Collected		Time Collected		Matrix	
		2/18/98		745		water X	
RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300		RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300	
COMPANY NAME: SAIC		COMPANY NAME: SAIC		RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300	
RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300		RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300	
COMPANY NAME: SAIC		COMPANY NAME: SAIC		RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300	
RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300		RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300	
COMPANY NAME: SAIC		COMPANY NAME: SAIC		RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300	
RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300		RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300	
COMPANY NAME: SAIC		COMPANY NAME: SAIC		RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300	
RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300		RECEIVED BY: <i>James Lumsden</i>		Date/Time: 2/19/98 1300	
COMPANY NAME: SAIC		COMPANY NAME: SAIC</					

COC NO: G8110

CHAIN OF CUSTODY RECORD

818 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4888

PROJECT NAME: Fort Stewart-18 SWMU's				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory								
PROJECT NUMBER: 01-0331-04-7328-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417								
PROJECT MANAGER: Jeff Longaker																PHONE NO: (803) 558-8171								
Sample (Signature) <i>David Lunder</i>																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS								
Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, PAH-PCBs	SVOC, PAH-PCBs	RCRA Metals	Decontaminated RCRA Metals	Lead	Decontaminated Lead	Soil/Sludge	SVOC, Metals (12A List)	Metals (12A List)	Decontaminated Metals (12A List)	TOC	Oil & Grease	Total Phosphate	PH	No. of Bottles/Vials	
314211	2/24/98	1040	water	X																				98022791-07.11
124111	2/25/98	1715	↓	X	X																			98022791-16.14
124121	2/25/98	1715	↓	X	X																			98022791-05.10
184211	2/25/98	930	↓	X																				98022792-01.12
<i>2/27/98</i>																							Cooler Temperature: 40°C	
																							FEDEX NUMBER:	
																							Cooler ID: # 470	
																							TOTAL NUMBER OF CONTAINERS: 14	
RELINQUISHED BY: <i>David Lunder</i>				RECEIVED BY: <i>David Lunder</i>				Date/Time 2-27-98				Date/Time 2-27-98				Cooler ID: # 470				Cooler Temperature: 40°C				
COMPANY NAME: SAC				COMPANY NAME: GEL				Date/Time 2/27/98				Date/Time 2/27/98				Cooler ID: # 470				Cooler Temperature: 40°C				
RELINQUISHED BY: <i>David Lunder</i>				RECEIVED BY: <i>David Lunder</i>				Date/Time 2/27/98				Date/Time 2/27/98				Cooler ID: # 470				Cooler Temperature: 40°C				
COMPANY NAME: SAC				COMPANY NAME: GEL				Date/Time 2/27/98				Date/Time 2/27/98				Cooler ID: # 470				Cooler Temperature: 40°C				
RELINQUISHED BY: <i>David Lunder</i>				RECEIVED BY: <i>David Lunder</i>				Date/Time 2/27/98				Date/Time 2/27/98				Cooler ID: # 470				Cooler Temperature: 40°C				
COMPANY NAME: SAC				COMPANY NAME: GEL				Date/Time 2/27/98				Date/Time 2/27/98				Cooler ID: # 470				Cooler Temperature: 40°C				

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COC NO.: 78

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CHAIN OF CUSTODY RECORD

COC NO.: **G8114**

PROJECT NAME: Fort Stewart-18 SWRUHS

PROJECT NUMBER: 01-0331-04-7328-200

PROJECT MANAGER: Jeff Longaker

Supplier (Signature): *Laura Lumsley*
(Printed Name): **Laura Lumsley**

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Post-PCBs	SVOC, Post-PCBs	RCRA Metals	Destroyed RCRA Metals	Lead	Dissolved Lead	Sediment	SVOC, Metals (12A List)	Metals (12A List)	Destroyed Metals (12A List)	TOC	Oil & Grease	Total Phenols	PH	No. of Bottles/Vials
184121	2/25/98	1650	water	X							X												3
184311	2/26/98	1215		X							X												3
184411	2/25/98	1040		X							X												3
184511	2/25/98	1300		X							X												3
184611	2/25/98	1315		X							X												3
184111	2/25/98	1650		X							X												3
124111	2/25/98	1715		X							X												3
124121	2/25/98	1715																					3
124711	2/25/98	1605																					3
314111	2/24/98	1730		X																			1
024311	2/24/98	1530		X																			3
324311	2/25/98	1030		X																			3
314121	2/24/98	1730		X																			3

RECEIVED BY: <i>Laura Lumsley</i>		Date/Time	RECEIVED BY: <i>Dianne Francis</i>		Date/Time
COMPANY NAME: <i>SAIC</i>	1/600		COMPANY NAME:		
RECEIVED BY: <i>Ed Lockhart</i>	2/27/98		RELINQUISHED BY:		
COMPANY NAME: <i>SAIC</i>	1400		COMPANY NAME:		
RECEIVED BY: <i>Ed Lockhart</i>	2/27/98		RECEIVED BY:		
COMPANY NAME: <i>SAIC</i>	1630		COMPANY NAME:		

Cooler Temperature: **40°**

FEDEX NUMBER:

TOTAL NUMBER OF CONTAINERS:

Cooler ID: **423**

2023

COC NO.: 60114

CHAIN OF CUSTODY RECORD

800 Oak Ridge Temple, Oak Ridge, TN 37831 (423) 481-4888

PROJECT NAME: Fort Stewart-18 SWMUe				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory												
PROJECT NUMBER: 01-0331-04-7328-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417												
PROJECT MANAGER: Jeff Longaker																PHONE NO: (803) 558-8171												
Sample ID				Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC Lead	SVOC, NCMA Metals	SVOC, NCMA Metals, Part-PCBs	SVOC, Part-PCBs	NCMA Metals	Discolored NCMA Metals	Lead	Discolored Lead	Sulfate	SVOC, Metals (12A Lit)	Metals (12A Lit)	Discolored Metals (12A Lit)	TOC	Oil & Grease	Total Phosphate	pH	No. of Bottom Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
314211				2/24/98	1040	water	X																					9802768-04.5
314311				2/25/98	955		X																					9802768-05
294311				2/26/98	1230		X																					9802768-06
294411				2/26/98	1450		X																					9802768-07
294511				2/26/98	1535		X																					9802768-08
174211				2/24/98	1310		X																					9802768-09
174311				2/24/98	1125		X																					9802768-10
184211				2/25/98	930		X																					9802768-11
TB1638				2/24/98	745		X																					9802768-12
TB1640				2/25/98	745		X																					9802768-13
TB1642				2/26/98	745		X																					9802768-14
247111				2/24/98	1015	Soil	X																					9802769-01.6
247211				2/24/98	1017	Soil	X																					02.7
RELINQUISHED BY: James Lunder				Date/Time: 2/27/98	RECEIVED BY: DONNEE FRANKS				Date/Time: 2-27-98	TOTAL NUMBER OF CONTAINERS: #423												Cooler Temperature: 4°C						
COMPANY NAME: SA-SC				Date/Time: 1400	COMPANY NAME: G-EL				Date/Time: 1430	Cooler ID: #423												FEDEX NUMBER:						
RECEIVED BY: Paul Hochstetler				Date/Time: 2/27/98	RELINQUISHED BY:				Date/Time:																			
COMPANY NAME: G-EL				Date/Time: 1400	COMPANY NAME:				Date/Time:																			
RELINQUISHED BY: Paul Hochstetler				Date/Time: 2/27/98	RECEIVED BY:				Date/Time:																			
COMPANY NAME: G-EL				Date/Time: 1630	COMPANY NAME:				Date/Time:																			

273

COC NO.: 68114

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart-18 SWMUa PROJECT NUMBER: 01-0331-84-7328-200 PROJECT MANAGER: Jeff Longaker Supplier (Signature) <i>Steve Lumbert</i> (Printed Name) Supplier (Signature) <i>Steve Lumbert</i> (Printed Name)				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417 PHONE NO: (803) 556-8171									
Sample ID	Date Collected	Time Collected	Matrix	VOC	Explosives	SVOC	SVOC, Lead	SVOC, RCRA Metals	SVOC, RCRA Metals, Post-PCBs	SVOC, Post-PCBs	RCRA Metals	Dissolved RCRA Metals	Lead	Dissolved Lead	Sulfates	SVOC, Metals (12A List)	Metals (12A List)	Dissolved Metals (12A List)	TOC	Oil & Grease	Total Phenols	pH	No. of Bottles/Vials		
247311	2/24/98	1000	Soil	X																			2		
2/27/98																							OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS 98022769-03.6		
RELINQUISHED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RECEIVED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RELINQUISHED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RECEIVED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RELINQUISHED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RECEIVED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				COOLER TEMPERATURE: 40C FEDEX NUMBER:	
RELINQUISHED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RECEIVED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RELINQUISHED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RECEIVED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RELINQUISHED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RECEIVED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				COOLER TEMPERATURE: 40C FEDEX NUMBER:	
RELINQUISHED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RECEIVED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RELINQUISHED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RECEIVED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RELINQUISHED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				RECEIVED BY: <i>Steve Lumbert</i> COMPANY NAME: SATC				COOLER TEMPERATURE: 40C FEDEX NUMBER:	

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ANALYTICAL RESULTS

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Location: SWMU-12A
Station: 12A-MW1

124111

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/25/98

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	1.1	MG/L	=		F01,F08

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	1200	UG/L	=		
REG	Antimony	2.4	UG/L	B	U	F01,F06
REG	Arsenic	3	UG/L	U	U	
REG	Barium	35.5	UG/L	B	J	
REG	Beryllium	0.15	UG/L	B	U	F06
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	1630	UG/L	=		
REG	Chromium	2.6	UG/L	B	J	
REG	Cobalt	0.46	UG/L	U	U	
REG	Copper	2	UG/L	B	J	
REG	Iron	598	UG/L	=		
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	814	UG/L	=		
REG	Manganese	17.3	UG/L	=		
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.9	UG/L	B	J	
REG	Potassium	643	UG/L	=		
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	3520	UG/L	=		
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	2	UG/L	B	J	
REG	Zinc	16.9	UG/L	U		F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	35.8	UG/L	B	U	F06
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	35.8	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	1620	UG/L	=		
REG	Chromium	0.43	UG/L	B	J	
REG	Cobalt	0.51	UG/L	B	J	
REG	Copper	2.9	UG/L	B	J	
REG	Iron	4.8	UG/L	B	U	F01,F06
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	861	UG/L	=		
REG	Manganese	19.2	UG/L	=		
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.7	UG/L	B	J	
REG	Potassium	542	UG/L	=		
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	6130	UG/L	=		
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	15.7	UG/L	U		F01,F07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	UJ	C05
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20	UG/L	U	U	
REG	3-Nitroaniline	25	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	U	
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	
TIC REG	9.800 OIL AND GREASE	9.8	UG/L	NJ		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	3.16	MG/L	=		

Location: SWMU 12A
Station : 12A-MW10

121011

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 01/19/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2560	MG/KG	=		
REG	Antimony	0.22	MG/KG	U	U	
REG	Arsenic	0.59	MG/KG	B	U	F06
REG	Barium	11.7	MG/KG	B	J	
REG	Beryllium	0.05	MG/KG	B	J	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Calcium	30.2	MG/KG	B	J	
REG	Chromium	1.9	MG/KG	B	J	
REG	Cobalt	0.47	MG/KG	B	J	
REG	Copper	0.32	MG/KG	B	J	
REG	Iron	766	MG/KG	=		
REG	Lead	2.4	MG/KG	J		F10
REG	Magnesium	72.5	MG/KG	B	J	
REG	Manganese	30	MG/KG	=		
REG	Mercury	0.02	MG/KG	U	U	
REG	Nickel	0.92	MG/KG	B	J	
REG	Potassium	37.6	MG/KG	B	J	
REG	Selenium	0.15	MG/KG	U	R	F10
REG	Silver	0.06	MG/KG	U	U	
REG	Sodium	4.3	MG/KG	B	J	
REG	Thallium	0.27	MG/KG	U	U	
REG	Vanadium	2.5	MG/KG	B	J	
REG	Zinc	1.3	MG/KG	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	U	
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	U	
REG	Tetryl	80	UG/KG	U	U	

121012

27.5 - 30.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 01/19/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	1500	MG/KG	=		
REG	Antimony	0.24	MG/KG	U	U	
REG	Arsenic	0.37	MG/KG	U	U	
REG	Barium	1.9	MG/KG	B	J	
REG	Beryllium	0.03	MG/KG	U	U	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Calcium	5.8	MG/KG	B	U	F01,F06
REG	Chromium	2.1	MG/KG	B	J	
REG	Cobalt	0.06	MG/KG	U	U	
REG	Copper	0.48	MG/KG	B	J	
REG	Iron	285	MG/KG	=		
REG	Lead	1.7	MG/KG	J		F10
REG	Magnesium	40.9	MG/KG	B	J	
REG	Manganese	0.58	MG/KG	B	J	
REG	Mercury	0.02	MG/KG	U	U	
REG	Nickel	0.12	MG/KG	U	U	
REG	Potassium	70.9	MG/KG	B	J	
REG	Selenium	0.16	MG/KG	U	R	F10
REG	Silver	0.08	MG/KG	B	U	F06
REG	Sodium	4.9	MG/KG	B	J	
REG	Thallium	0.29	MG/KG	U	U	
REG	Vanadium	4.8	MG/KG	B	J	
REG	Zinc	0.7	MG/KG	B	U	F01,F06

Note: Semivolatile organic compounds (SVOCs) inadvertently were not analyzed for sample numbers 121011 and 121012. Sample bottles were provided to the laboratory, but the chain-of-custody form did not indicate that SVOC analyses were required; notice of the discrepancy was not provided by the laboratory.

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	U	
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	U	
REG	Tetryl	80	UG/KG	U	U	

121041

Field Sample Type: Equipment Rinsate

Matrix: Soil

Collected: 01/19/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	42.1	UG/L	B	U	F01,F06
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	3.3	UG/L	U	U	
REG	Barium	0.29	UG/L	U	U	
REG	Beryllium	0.22	UG/L	U	U	
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	38.7	UG/L	B	U	F01,F06
REG	Chromium	0.6	UG/L	U	U	
REG	Cobalt	0.5	UG/L	U	U	
REG	Copper	0.8	UG/L	U	U	
REG	Iron	46.8	UG/L	B	J	
REG	Lead	0.73	UG/L	U	R	F10
REG	Magnesium	12.2	UG/L		=	
REG	Manganese	1	UG/L	B	U	F01,F06
REG	Mercury	0.1	UG/L	U	U	I01
REG	Nickel	1.1	UG/L	U	U	
REG	Potassium	32.4	UG/L	U	U	
REG	Selenium	1.4	UG/L	U	R	F10
REG	Silver	0.65	UG/L	B	U	F06
REG	Sodium	74.7	UG/L	B	J	
REG	Thallium	3.7	UG/L	B	U	F01,F06
REG	Vanadium	0.6	UG/L	U	U	
REG	Zinc	0.53	UG/L	B	U	F01,F06

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.104	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.104	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.104	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.104	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.104	UG/L	U	U	
REG	2-Nitrotoluene	0.104	UG/L	U	U	
REG	3-Nitrotoluene	0.104	UG/L	U	U	
REG	4-Nitrotoluene	0.104	UG/L	U	U	
REG	HMX	0.104	UG/L	U	U	
REG	Nitrobenzene	1.82	UG/L	J		H02,H04
REG	RDX	0.104	UG/L	U	U	
REG	Tetryl	0.104	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	10	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	20	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW10

121041

Field Sample Type: Equipment Rinsate Matrix: Soil

Collected: 01/19/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	10	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	50	UG/L	U	U	
REG	3-Nitroaniline	10	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	20	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	10	UG/L	U	U	
REG	4-Nitrophenol	20	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	UJ	P01
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	U	
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	10	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

124011

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/17/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	351	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	47.7	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.43	UG/L	B	U	F06
REG	Calcium	3520	UG/L	E	J	E07
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	5.1	UG/L		=	
REG	Copper	1.1	UG/L	U	U	
REG	Iron	271	UG/L		=	
REG	Lead	3.1	UG/L		U	F07
REG	Magnesium	1440	UG/L		=	
REG	Manganese	48	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	

Location: SWMU 12A
Station: 12A-MW10

124011

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/17/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nickel	9.1	UG/L		=	
REG	Potassium	866	UG/L		=	
REG	Selenium	3.4	UG/L	B	U	F06
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	3050	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	10.9	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	184	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	48.8	UG/L	B	J	
REG	Beryllium	0.17	UG/L	B	J	
REG	Cadmium	0.26	UG/L	B	U	F06
REG	Calcium	3460	UG/L		J	E07
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	5.1	UG/L		=	
REG	Copper	3.3	UG/L	B	J	
REG	Iron	18.8	UG/L	B	U	F01,F06
REG	Lead	2.1	UG/L	B	J	
REG	Magnesium	1410	UG/L		=	
REG	Manganese	47.3	UG/L		=	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	8.9	UG/L		=	
REG	Potassium	950	UG/L		=	
REG	Selenium	4.2	UG/L	B	J	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	3250	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	12.2	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.84	UG/L		=	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.4	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.4	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.4	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.4	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.4	UG/L	U	U	
REG	2,4,5-Trichlorophenol	26	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.4	UG/L	U	U	
REG	2,4-Dichlorophenol	10.4	UG/L	U	U	
REG	2,4-Dimethylphenol	10.4	UG/L	U	U	
REG	2,4-Dinitrophenol	26	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.4	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.4	UG/L	U	U	
REG	2-Chloronaphthalene	10.4	UG/L	U	U	
REG	2-Chlorophenol	10.4	UG/L	U	U	
REG	2-Methylnaphthalene	10.4	UG/L	U	U	
REG	2-Methylphenol	10.4	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW10

124011

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/17/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Nitroaniline	26	UG/L	U	U	
REG	2-Nitrophenol	10.4	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20.8	UG/L	U	U	
REG	3-Nitroaniline	26	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	26	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.4	UG/L	U	U	
REG	4-Chloroaniline	10.4	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.4	UG/L	U	U	
REG	4-Methylphenol	10.4	UG/L	U	U	
REG	4-Nitroaniline	26	UG/L	U	U	
REG	4-Nitrophenol	26	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.4	UG/L	U	U	
REG	Acenaphthene	10.4	UG/L	U	U	
REG	Acenaphthylene	10.4	UG/L	U	U	
REG	Anthracene	10.4	UG/L	U	U	
REG	Benzo(a)anthracene	10.4	UG/L	U	U	
REG	Benzo(a)pyrene	10.4	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.4	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.4	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.4	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.4	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.4	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.4	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.4	UG/L	U	U	
REG	Carbazole	10.4	UG/L	U	U	
REG	Chrysene	10.4	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.4	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.4	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.4	UG/L	U	U	
REG	Dibenzofuran	10.4	UG/L	U	U	
REG	Diethyl Phthalate	10.4	UG/L	U	U	
REG	Dimethyl Phthalate	10.4	UG/L	U	U	
REG	Fluoranthene	10.4	UG/L	U	U	
REG	Fluorene	10.4	UG/L	U	U	
REG	Hexachlorobenzene	10.4	UG/L	U	U	
REG	Hexachlorobutadiene	10.4	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.4	UG/L	U	U	
REG	Hexachloroethane	10.4	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.4	UG/L	U	U	
REG	Isophorone	10.4	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.4	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.4	UG/L	U	U	
REG	Naphthalene	10.4	UG/L	U	U	
REG	Nitrobenzene	10.4	UG/L	U	U	
REG	Pentachlorophenol	26	UG/L	U	U	
REG	Phenanthrene	10.4	UG/L	U	U	
REG	Phenol	10.4	UG/L	U	U	
REG	Pyrene	10.4	UG/L	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	0.459	MG/L	J	UJ	

124121

Field Sample Type: Field Duplicate

Matrix: Groundwater

Collected: 02/25/98

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	1.16	MG/L	=		F01,F08

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	1000	UG/L	=		
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	35.7	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	1720	UG/L	=		

Location: SWMU 12A
Station: 12A-MW10

124121

Field Sample Type: Field Duplicate

Matrix: Groundwater

Collected: 02/25/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chromium	2.4	UG/L	B	J	
REG	Cobalt	0.64	UG/L	B	J	
REG	Copper	2.2	UG/L	B	J	
REG	Iron	498	UG/L		=	
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	840	UG/L		=	
REG	Manganese	17.6	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	2.2	UG/L	B	J	
REG	Potassium	648	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	3520	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	1.7	UG/L	B	J	
REG	Zinc	17.5	UG/L		U	F01,F07

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	31.2	UG/L	B	U	F06
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	34.8	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	1560	UG/L		=	
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	0.46	UG/L	U	U	
REG	Copper	21.3	UG/L		=	
REG	Iron	8.3	UG/L	B	U	F01,F06
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	817	UG/L		=	
REG	Manganese	19.3	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	3.9	UG/L	B	J	
REG	Potassium	554	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	5630	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	19.9	UG/L		U	F01,F07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	9.9	UG/L	U	U	
REG	1,2-Dichlorobenzene	9.9	UG/L	U	U	
REG	1,3-Dichlorobenzene	9.9	UG/L	U	U	
REG	1,4-Dichlorobenzene	9.9	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	9.9	UG/L	U	U	
REG	2,4,5-Trichlorophenol	24.8	UG/L	U	U	
REG	2,4,6-Trichlorophenol	9.9	UG/L	U	U	
REG	2,4-Dichlorophenol	9.9	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW10

124121

Field Sample Type: Field Duplicate

Matrix: Groundwater

Collected: 02/25/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4-Dimethylphenol	9.9	UG/L	U	U	C05
REG	2,4-Dinitrophenol	24.8	UG/L	U	U	
REG	2,4-Dinitrotoluene	9.9	UG/L	U	U	
REG	2,6-Dinitrotoluene	9.9	UG/L	U	U	
REG	2-Chloronaphthalene	9.9	UG/L	U	U	
REG	2-Chlorophenol	9.9	UG/L	U	U	
REG	2-Methylnaphthalene	9.9	UG/L	U	UJ	
REG	2-Methylphenol	9.9	UG/L	U	U	
REG	2-Nitroaniline	24.8	UG/L	U	U	
REG	2-Nitrophenol	9.9	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	19.8	UG/L	U	U	
REG	3-Nitroaniline	24.8	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	24.8	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	9.9	UG/L	U	U	
REG	4-Chloroaniline	9.9	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	9.9	UG/L	U	U	
REG	4-Methylphenol	9.9	UG/L	U	U	
REG	4-Nitroaniline	24.8	UG/L	U	U	
REG	4-Nitrophenol	24.8	UG/L	U	U	
REG	4-chloro-3-methylphenol	9.9	UG/L	U	U	
REG	Acenaphthene	9.9	UG/L	U	U	
REG	Acenaphthylene	9.9	UG/L	U	U	
REG	Anthracene	9.9	UG/L	U	U	
REG	Benzo(a)anthracene	9.9	UG/L	U	U	
REG	Benzo(a)pyrene	9.9	UG/L	U	U	
REG	Benzo(b)fluoranthene	9.9	UG/L	U	U	
REG	Benzo(g,h,i)perylene	9.9	UG/L	U	U	
REG	Benzo(k)fluoranthene	9.9	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	9.9	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	9.9	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	9.9	UG/L	U	U	
REG	Butyl Benzyl Phthalate	9.9	UG/L	U	U	
REG	Carbazole	9.9	UG/L	U	U	
REG	Chrysene	9.9	UG/L	U	U	
REG	Di-n-butyl Phthalate	9.9	UG/L	U	U	
REG	Di-n-octyl Phthalate	9.9	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	9.9	UG/L	U	U	
REG	Dibenzofuran	9.9	UG/L	U	U	
REG	Diethyl Phthalate	9.9	UG/L	U	U	
REG	Dimethyl Phthalate	9.9	UG/L	U	U	
REG	Fluoranthene	9.9	UG/L	U	U	
REG	Fluorene	9.9	UG/L	U	U	
REG	Hexachlorobenzene	9.9	UG/L	U	U	
REG	Hexachlorobutadiene	9.9	UG/L	U	U	
REG	Hexachlorocyclopentadiene	9.9	UG/L	U	U	
REG	Hexachloroethane	9.9	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	9.9	UG/L	U	U	
REG	Isophorone	9.9	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	9.9	UG/L	U	U	
REG	N-Nitrosodiphenylamine	9.9	UG/L	U	U	
REG	Naphthalene	9.9	UG/L	U	U	
REG	Nitrobenzene	9.9	UG/L	U	U	
REG	Pentachlorophenol	24.8	UG/L	U	U	
REG	Phenanthrene	9.9	UG/L	U	U	
REG	Phenol	9.9	UG/L	U	U	
REG	Pyrene	9.9	UG/L	U	U	
TIC REG	4.200 OIL AND GREASE	4.2	UG/L	NJ		

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	3.07	MG/L	=		

Location: SWMU 12A
Station : 12A-MW2

124211

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/17/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	199	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	17.5	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.57	UG/L	B	U	F06
REG	Calcium	705	UG/L	J	U	F10,E07
REG	Chromium	0.61	UG/L	B	U	F06
REG	Cobalt	4	UG/L	B	J	
REG	Copper	1.1	UG/L	U	U	
REG	Iron	195	UG/L		=	
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	554	UG/L		=	
REG	Manganese	96.3	UG/L		=	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	1.5	UG/L	B	U	F01,F06
REG	Potassium	478	UG/L		=	
REG	Selenium	2.7	UG/L	B	U	F06
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	3170	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.57	UG/L	B	J	
REG	Zinc	5	UG/L	B	U	F01,F06
Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	29.7	UG/L	B	U	F01,F06
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	16.6	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.46	UG/L	B	U	F06
REG	Calcium	663	UG/L	J	U	F10,E07
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	3.5	UG/L	B	J	
REG	Copper	13.4	UG/L		=	
REG	Iron	7.1	UG/L	B	U	F01,F06
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	495	UG/L		=	
REG	Manganese	87.2	UG/L		=	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	2.7	UG/L	B	U	F01,F06
REG	Potassium	490	UG/L		=	
REG	Selenium	2.8	UG/L	B	J	
REG	Silver	0.97	UG/L	B	J	
REG	Sodium	3130	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	12	UG/L		=	
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.5	UG/L	U	U	

Location: SWMU 12A
Station: 12A-MW2

124211

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/17/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2-Dichlorobenzene	10.5	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.5	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	26.3	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.5	UG/L	U	U	
REG	2,4-Dichlorophenol	10.5	UG/L	U	U	
REG	2,4-Dimethylphenol	10.5	UG/L	U	U	
REG	2,4-Dinitrophenol	26.3	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.5	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.5	UG/L	U	U	
REG	2-Chloronaphthalene	10.5	UG/L	U	U	
REG	2-Chlorophenol	10.5	UG/L	U	U	
REG	2-Methylnaphthalene	10.5	UG/L	U	U	
REG	2-Methylphenol	10.5	UG/L	U	U	
REG	2-Nitroaniline	26.3	UG/L	U	U	
REG	2-Nitrophenol	10.5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	21	UG/L	U	U	
REG	3-Nitroaniline	26.3	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	26.3	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.5	UG/L	U	U	
REG	4-Chloroaniline	10.5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.5	UG/L	U	U	
REG	4-Methylphenol	10.5	UG/L	U	U	
REG	4-Nitroaniline	26.3	UG/L	U	U	
REG	4-Nitrophenol	26.3	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.5	UG/L	U	U	
REG	Acenaphthene	10.5	UG/L	U	U	
REG	Acenaphthylene	10.5	UG/L	U	U	
REG	Anthracene	10.5	UG/L	U	U	
REG	Benzo(a)anthracene	10.5	UG/L	U	U	
REG	Benzo(a)pyrene	10.5	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.5	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.5	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.5	UG/L	U	U	
REG	Carbazole	10.5	UG/L	U	U	
REG	Chrysene	10.5	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.5	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.5	UG/L	U	U	
REG	Dibenzofuran	10.5	UG/L	U	U	
REG	Diethyl Phthalate	10.5	UG/L	U	U	
REG	Dimethyl Phthalate	10.5	UG/L	U	U	
REG	Fluoranthene	10.5	UG/L	U	U	
REG	Fluorene	10.5	UG/L	U	U	
REG	Hexachlorobenzene	10.5	UG/L	U	U	
REG	Hexachlorobutadiene	10.5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.5	UG/L	U	U	
REG	Hexachloroethane	10.5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.5	UG/L	U	U	
REG	Isophorone	10.5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.5	UG/L	U	U	
REG	Naphthalene	10.5	UG/L	U	U	
REG	Nitrobenzene	10.5	UG/L	U	U	
REG	Pentachlorophenol	26.3	UG/L	U	U	
REG	Phenanthrene	10.5	UG/L	U	U	
REG	Phenol	10.5	UG/L	U	U	
REG	Pyrene	10.5	UG/L	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	0.562	MG/L	=		

Location: SWMU 12A
Station : 12A-MW3

124311

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/17/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	475	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	46.9	UG/L	B	J	
REG	Beryllium	0.1	UG/L	B	U	F06
REG	Cadmium	1.3	UG/L	B	U	F06
REG	Calcium	4720	UG/L		J	E07
REG	Chromium	0.45	UG/L	B	U	F06
REG	Cobalt	15.8	UG/L		=	
REG	Copper	1.2	UG/L	B	J	
REG	Iron	237	UG/L		=	
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	2360	UG/L		=	
REG	Manganese	235	UG/L		=	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	18.8	UG/L		=	
REG	Potassium	1400	UG/L		=	
REG	Selenium	3.8	UG/L	B	U	F06
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	6170	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	30.9	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	212	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	48.9	UG/L	B	J	
REG	Beryllium	0.24	UG/L	B	J	
REG	Cadmium	1.4	UG/L	B	J	
REG	Calcium	4920	UG/L		J	E07
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	17	UG/L		=	
REG	Copper	21.3	UG/L		=	
REG	Iron	28.2	UG/L	B	U	F01,F06
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	2440	UG/L		=	
REG	Manganese	252	UG/L		=	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	22.4	UG/L		=	
REG	Potassium	1610	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	6450	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	35.4	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,3,5-Trinitrobenzene	10	UG/L	U	U	
DIL	1,3-Dinitrobenzene	15	UG/L	U	U	
DIL	2,4,6-Trinitrotoluene	15	UG/L	U	U	
DIL	2,4-Dinitrotoluene	0.52	UG/L	U	U	
DIL	2,6-Dinitrotoluene	0.52	UG/L	U	U	
DIL	2-Nitrotoluene	49.9	UG/L	U	U	
DIL	3-Nitrotoluene	49.9	UG/L	U	U	
DIL	4-Nitrotoluene	49.9	UG/L	U	U	
DIL	HMX	99.9	UG/L	U	U	
DIL	Nitrobenzene	49.9	UG/L	U	U	
DIL	RDX	99.9	UG/L	U	U	
DIL	Tetryl	250	UG/L	U	U	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW3

124311

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/17/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	99.9	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.6	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.6	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.6	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.6	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.6	UG/L	U	U	
REG	2,4,5-Trichlorophenol	26.6	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.6	UG/L	U	U	
REG	2,4-Dichlorophenol	10.6	UG/L	U	U	
REG	2,4-Dimethylphenol	10.6	UG/L	U	U	
REG	2,4-Dinitrophenol	26.6	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.6	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.6	UG/L	U	U	
REG	2-Chloronaphthalene	10.6	UG/L	U	U	
REG	2-Chlorophenol	10.6	UG/L	U	U	
REG	2-Methylnaphthalene	10.6	UG/L	U	U	
REG	2-Methylphenol	10.6	UG/L	U	U	
REG	2-Nitroaniline	26.6	UG/L	U	U	
REG	2-Nitrophenol	10.6	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	21.3	UG/L	U	U	
REG	3-Nitroaniline	26.6	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	26.6	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.6	UG/L	U	U	
REG	4-Chloroaniline	10.6	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.6	UG/L	U	U	
REG	4-Methylphenol	10.6	UG/L	U	U	
REG	4-Nitroaniline	26.6	UG/L	U	U	
REG	4-Nitrophenol	26.6	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.6	UG/L	U	U	
REG	Acenaphthene	10.6	UG/L	U	U	
REG	Acenaphthylene	10.6	UG/L	U	U	
REG	Anthracene	10.6	UG/L	U	U	
REG	Benzo(a)anthracene	10.6	UG/L	U	U	
REG	Benzo(a)pyrene	10.6	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.6	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.6	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.6	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.6	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.6	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.6	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.6	UG/L	U	U	
REG	Carbazole	10.6	UG/L	U	U	
REG	Chrysene	10.6	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.6	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.6	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.6	UG/L	U	U	
REG	Dibenzofuran	10.6	UG/L	U	U	
REG	Diethyl Phthalate	10.6	UG/L	U	U	
REG	Dimethyl Phthalate	10.6	UG/L	U	U	
REG	Fluoranthene	10.6	UG/L	U	U	
REG	Fluorene	10.6	UG/L	U	U	
REG	Hexachlorobenzene	10.6	UG/L	U	U	
REG	Hexachlorobutadiene	10.6	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.6	UG/L	U	U	
REG	Hexachloroethane	10.6	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.6	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW3

124311

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/17/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Isophorone	10.6	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.6	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.6	UG/L	U	U	
REG	Naphthalene	10.6	UG/L	U	U	
REG	Nitrobenzene	10.6	UG/L	U	U	
REG	Pentachlorophenol	26.6	UG/L	U	U	
REG	Phenanthrene	10.6	UG/L	U	U	
REG	Phenol	10.6	UG/L	U	U	
REG	Pyrene	10.6	UG/L	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	.500	MG/L	U	U	

124341

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 02/17/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	14	UG/L	B	U	F01,F06
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	0.22	UG/L	B	J	
REG	Beryllium	0.09	UG/L	B	J	
REG	Cadmium	0.31	UG/L	B	U	F06
REG	Calcium	13.3	UG/L	B	R	F06,F01,F10
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	0.46	UG/L	U	U	
REG	Copper	1.1	UG/L	U	U	
REG	Iron	4.6	UG/L	B	U	F01,F06
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	5.2	UG/L	U	U	
REG	Manganese	0.82	UG/L	B	U	F01,F06
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	0.68	UG/L	U	U	
REG	Potassium	33	UG/L	U	U	
REG	Selenium	3.5	UG/L	B	J	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	38.2	UG/L	B	U	F01,F06
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	1.1	UG/L	B	U	F01,F06

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,3,5-Trinitrobenzene	4	UG/L	U	U	
DIL	1,3-Dinitrobenzene	6	UG/L	U	U	
DIL	2,4,6-Trinitrotoluene	6	UG/L	U	U	
DIL	2,4-Dinitrotoluene	0.21	UG/L	U	U	
DIL	2,6-Dinitrotoluene	0.21	UG/L	U	U	
DIL	2-Nitrotoluene	20	UG/L	U	U	
DIL	3-Nitrotoluene	20	UG/L	U	U	
DIL	4-Nitrotoluene	20	UG/L	U	U	
DIL	HMX	40	UG/L	U	U	
DIL	Nitrobenzene	20	UG/L	U	U	
DIL	RDX	40	UG/L	U	U	
DIL	Tetryl	99.9	UG/L	U	U	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW3

124341

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 02/17/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nitrobenzene	20	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.3	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.3	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.3	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.3	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.3	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25.8	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.3	UG/L	U	U	
REG	2,4-Dichlorophenol	10.3	UG/L	U	U	
REG	2,4-Dimethylphenol	10.3	UG/L	U	U	
REG	2,4-Dinitrophenol	25.8	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.3	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.3	UG/L	U	U	
REG	2-Chloronaphthalene	10.3	UG/L	U	U	
REG	2-Chlorophenol	10.3	UG/L	U	U	
REG	2-Methylnaphthalene	10.3	UG/L	U	U	
REG	2-Methylphenol	10.3	UG/L	U	U	
REG	2-Nitroaniline	25.8	UG/L	U	U	
REG	2-Nitrophenol	10.3	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20.6	UG/L	U	U	
REG	3-Nitroaniline	25.8	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25.8	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.3	UG/L	U	U	
REG	4-Chloroaniline	10.3	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.3	UG/L	U	U	
REG	4-Methylphenol	10.3	UG/L	U	U	
REG	4-Nitroaniline	25.8	UG/L	U	U	
REG	4-Nitrophenol	25.8	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.3	UG/L	U	U	
REG	Acenaphthene	10.3	UG/L	U	U	
REG	Acenaphthylene	10.3	UG/L	U	U	
REG	Anthracene	10.3	UG/L	U	U	
REG	Benzo(a)anthracene	10.3	UG/L	U	U	
REG	Benzo(a)pyrene	10.3	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.3	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.3	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.3	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.3	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.3	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.3	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.3	UG/L	U	U	
REG	Carbazole	10.3	UG/L	U	U	
REG	Chrysene	10.3	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.3	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.3	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.3	UG/L	U	U	
REG	Dibenzofuran	10.3	UG/L	U	U	
REG	Diethyl Phthalate	10.3	UG/L	U	U	
REG	Dimethyl Phthalate	10.3	UG/L	U	U	
REG	Fluoranthene	10.3	UG/L	U	U	
REG	Fluorene	10.3	UG/L	U	U	
REG	Hexachlorobenzene	10.3	UG/L	U	U	
REG	Hexachlorobutadiene	10.3	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.3	UG/L	U	U	
REG	Hexachloroethane	10.3	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.3	UG/L	U	U	
REG	Isophorone	10.3	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.3	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.3	UG/L	U	U	
REG	Naphthalene	10.3	UG/L	U	U	
REG	Nitrobenzene	10.3	UG/L	U	U	
REG	Pentachlorophenol	25.8	UG/L	U	U	
REG	Phenanthrene	10.3	UG/L	U	U	
REG	Phenol	10.3	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW3

124341

Field Sample Type: Equipment Rinsate

Matrix: Quality Control

Collected: 02/17/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Pyrene	10.3	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW4

124411

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/16/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	204	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	35.7	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.44	UG/L	B	U	F06
REG	Calcium	2200	UG/L		J	E07
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	2.9	UG/L	B	J	
REG	Copper	1.1	UG/L	U	U	
REG	Iron	21.4	UG/L	B	U	F01,F06
REG	Lead	2.1	UG/L	B	U	F06
REG	Magnesium	1030	UG/L		=	
REG	Manganese	38.3	UG/L		=	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	8	UG/L		=	
REG	Potassium	555	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	2420	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	10.9	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	154	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	34.8	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.46	UG/L	B	U	F06
REG	Calcium	2060	UG/L		J	E07
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	3.2	UG/L	B	J	
REG	Copper	20.4	UG/L		=	
REG	Iron	5.5	UG/L	B	U	F01,F06
REG	Lead	1.3	UG/L	B	J	
REG	Magnesium	956	UG/L		J	
REG	Manganese	37.2	UG/L		=	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	10.7	UG/L		=	
REG	Potassium	571	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.92	UG/L	B	J	
REG	Sodium	2320	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	13.5	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	UJ	A01
REG	1,3-Dinitrobenzene	3	UG/L	U	UJ	A01
REG	2,4,6-Trinitrotoluene	3	UG/L	U	UJ	A01
REG	2,4-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2,6-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2-Nitrotoluene	10	UG/L	U	UJ	A01
REG	3-Nitrotoluene	10	UG/L	U	UJ	A01

Location: SWMU 12A
Station : 12A-MW4

124411

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/16/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Nitrotoluene	10	UG/L	U	UJ	A01
REG	HMX	20	UG/L	U	UJ	A01
REG	Nitrobenzene	10	UG/L	U	UJ	A01
REG	RDX	20	UG/L	U	UJ	A01
REG	Tetryl	50	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	11	UG/L	U	U	
REG	1,2-Dichlorobenzene	11	UG/L	U	U	
REG	1,3-Dichlorobenzene	11	UG/L	U	U	
REG	1,4-Dichlorobenzene	11	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	11	UG/L	U	U	
REG	2,4,5-Trichlorophenol	27.5	UG/L	U	U	
REG	2,4,6-Trichlorophenol	11	UG/L	U	U	
REG	2,4-Dichlorophenol	11	UG/L	U	U	
REG	2,4-Dimethylphenol	11	UG/L	U	U	
REG	2,4-Dinitrophenol	27.5	UG/L	U	U	
REG	2,4-Dinitrotoluene	11	UG/L	U	U	
REG	2,6-Dinitrotoluene	11	UG/L	U	U	
REG	2-Chloronaphthalene	11	UG/L	U	U	
REG	2-Chlorophenol	11	UG/L	U	U	
REG	2-Methylnaphthalene	11	UG/L	U	U	
REG	2-Methylphenol	11	UG/L	U	U	
REG	2-Nitroaniline	27.5	UG/L	U	U	
REG	2-Nitrophenol	11	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	22	UG/L	U	U	
REG	3-Nitroaniline	27.5	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	27.5	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	11	UG/L	U	U	
REG	4-Chloroaniline	11	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	11	UG/L	U	U	
REG	4-Methylphenol	11	UG/L	U	U	
REG	4-Nitroaniline	27.5	UG/L	U	U	
REG	4-Nitrophenol	27.5	UG/L	U	U	
REG	4-chloro-3-methylphenol	11	UG/L	U	U	
REG	Acenaphthene	11	UG/L	U	U	
REG	Acenaphthylene	11	UG/L	U	U	
REG	Anthracene	11	UG/L	U	U	
REG	Benzo(a)anthracene	11	UG/L	U	U	
REG	Benzo(a)pyrene	11	UG/L	U	U	
REG	Benzo(b)fluoranthene	11	UG/L	U	U	
REG	Benzo(g,h,i)perylene	11	UG/L	U	U	
REG	Benzo(k)fluoranthene	11	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	11	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	11	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	11	UG/L	U	U	
REG	Butyl Benzyl Phthalate	11	UG/L	U	U	
REG	Carbazole	11	UG/L	U	U	
REG	Chrysene	11	UG/L	U	U	
REG	Di-n-butyl Phthalate	11	UG/L	U	U	
REG	Di-n-octyl Phthalate	11	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	11	UG/L	U	U	
REG	Dibenzofuran	11	UG/L	U	U	
REG	Diethyl Phthalate	11	UG/L	U	U	
REG	Dimethyl Phthalate	11	UG/L	U	U	
REG	Fluoranthene	11	UG/L	U	U	
REG	Fluorene	11	UG/L	U	U	
REG	Hexachlorobenzene	11	UG/L	U	U	
REG	Hexachlorobutadiene	11	UG/L	U	U	
REG	Hexachlorocyclopentadiene	11	UG/L	U	U	
REG	Hexachloroethane	11	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	11	UG/L	U	U	
REG	Isophorone	11	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	11	UG/L	U	U	
REG	N-Nitrosodiphenylamine	11	UG/L	U	U	
REG	Naphthalene	11	UG/L	U	U	
REG	Nitrobenzene	11	UG/L	U	U	
REG	Pentachlorophenol	27.5	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW4

124411

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/16/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Phenanthrene	11	UG/L	U	U	
REG	Phenol	11	UG/L	U	U	
REG	Pyrene	11	UG/L	U	U	
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	.500	MG/L	U	U	

Location: SWMU 12A
Station : 12A-MW5

124511

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/16/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	53.2	UG/L		U	F01,F07
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	17.3	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.38	UG/L	B	U	F06
REG	Calcium	1140	UG/L	E	J	E07
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	0.46	UG/L	U	U	
REG	Copper	14	UG/L		=	
REG	Iron	14.9	UG/L	B	U	F01,F06
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	1200	UG/L		=	
REG	Manganese	5.9	UG/L	B	J	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	2.2	UG/L	B	U	F01,F06
REG	Potassium	234	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	4380	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	9.2	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	58.2	UG/L		U	F01,F06
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	17.6	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	1170	UG/L		J	E07
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	0.46	UG/L	U	U	
REG	Copper	1.1	UG/L	U	U	
REG	Iron	6.4	UG/L	B	U	F01,F06
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	1240	UG/L		=	
REG	Manganese	5.2	UG/L	B	J	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	0.86	UG/L	B	U	F01,F06
REG	Potassium	218	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	4350	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	2.8	UG/L	B	U	F01,F06

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
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Location: SWMU 12A
Station: 12A-MW5

124511

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/16/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	UJ	A01
REG	1,3-Dinitrobenzene	3	UG/L	U	UJ	A01
REG	2,4,6-Trinitrotoluene	3	UG/L	U	UJ	A01
REG	2,4-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2,6-Dinitrotoluene	0.1	UG/L	U	UJ	A01
REG	2-Nitrotoluene	10	UG/L	U	UJ	A01
REG	3-Nitrotoluene	10	UG/L	U	UJ	A01
REG	4-Nitrotoluene	10	UG/L	U	UJ	A01
REG	HMX	20	UG/L	U	UJ	A01
REG	Nitrobenzene	10	UG/L	U	UJ	A01
REG	RDX	20	UG/L	U	UJ	A01
REG	Tetryl	50	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	11.5	UG/L	U	U	
REG	1,2-Dichlorobenzene	11.5	UG/L	U	U	
REG	1,3-Dichlorobenzene	11.5	UG/L	U	U	
REG	1,4-Dichlorobenzene	11.5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	11.5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	28.7	UG/L	U	U	
REG	2,4,6-Trichlorophenol	11.5	UG/L	U	U	
REG	2,4-Dichlorophenol	11.5	UG/L	U	U	
REG	2,4-Dimethylphenol	11.5	UG/L	U	U	
REG	2,4-Dinitrophenol	28.7	UG/L	U	U	
REG	2,4-Dinitrotoluene	11.5	UG/L	U	U	
REG	2,6-Dinitrotoluene	11.5	UG/L	U	U	
REG	2-Chloronaphthalene	11.5	UG/L	U	U	
REG	2-Chlorophenol	11.5	UG/L	U	U	
REG	2-Methylnaphthalene	11.5	UG/L	U	UJ	C05
REG	2-Methylphenol	11.5	UG/L	U	U	
REG	2-Nitroaniline	28.7	UG/L	U	U	
REG	2-Nitrophenol	11.5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	23	UG/L	U	U	
REG	3-Nitroaniline	28.7	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	28.7	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	11.5	UG/L	U	U	
REG	4-Chloroaniline	11.5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	11.5	UG/L	U	U	
REG	4-Methylphenol	11.5	UG/L	U	U	
REG	4-Nitroaniline	28.7	UG/L	U	U	
REG	4-Nitrophenol	28.7	UG/L	U	U	
REG	4-chloro-3-methylphenol	11.5	UG/L	U	U	
REG	Acenaphthene	11.5	UG/L	U	U	
REG	Acenaphthylene	11.5	UG/L	U	U	
REG	Anthracene	11.5	UG/L	U	U	
REG	Benzo(a)anthracene	11.5	UG/L	U	U	
REG	Benzo(a)pyrene	11.5	UG/L	U	U	
REG	Benzo(b)fluoranthene	11.5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	11.5	UG/L	U	U	
REG	Benzo(k)fluoranthene	11.5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	11.5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	11.5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	49.7	UG/L		=	
REG	Butyl Benzyl Phthalate	11.5	UG/L	U	U	
REG	Carbazole	11.5	UG/L	U	U	
REG	Chrysene	11.5	UG/L	U	U	
REG	Di-n-butyl Phthalate	11.5	UG/L	U	U	
REG	Di-n-octyl Phthalate	11.5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	11.5	UG/L	U	U	
REG	Dibenzofuran	11.5	UG/L	U	U	
REG	Diethyl Phthalate	11.5	UG/L	U	U	
REG	Dimethyl Phthalate	11.5	UG/L	U	U	
REG	Fluoranthene	11.5	UG/L	U	U	
REG	Fluorene	11.5	UG/L	U	U	
REG	Hexachlorobenzene	11.5	UG/L	U	U	
REG	Hexachlorobutadiene	11.5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	11.5	UG/L	U	U	
REG	Hexachloroethane	11.5	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW5

124511

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/16/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Indeno(1,2,3-cd)pyrene	11.5	UG/L	U	U	
REG	Isophorone	11.5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	11.5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	11.5	UG/L	U	U	
REG	Naphthalene	11.5	UG/L	U	U	
REG	Nitrobenzene	11.5	UG/L	U	U	
REG	Pentachlorophenol	28.7	UG/L	U	U	
REG	Phenanthrene	11.5	UG/L	U	U	
REG	Phenol	11.5	UG/L	U	U	
REG	Pyrene	11.5	UG/L	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	.500	MG/L	J	UJ	

Location: SWMU 12A
Station : 12A-MW6

124611

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/17/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	216	UG/L	=		
REG	Antimony	1.9	UG/L	B	U	F06
REG	Arsenic	3	UG/L	U	U	
REG	Barium	18.5	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	764	UG/L	J		F10,E07
REG	Chromium	0.98	UG/L	B	U	F06
REG	Cobalt	0.46	UG/L	U	U	
REG	Copper	1.1	UG/L	U	U	
REG	Iron	184	UG/L	=		
REG	Lead	1.2	UG/L	B	U	F06
REG	Magnesium	588	UG/L	=		
REG	Manganese	18.9	UG/L	=		
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	0.68	UG/L	U	U	
REG	Potassium	483	UG/L	=		
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	2050	UG/L	=		
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	4.7	UG/L	B	U	F01,F06

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	27.3	UG/L	B	U	F01,F06
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	16.2	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	698	UG/L	J		F10,E07
REG	Chromium	0.89	UG/L	B	J	
REG	Cobalt	0.46	UG/L	U	U	
REG	Copper	13.4	UG/L	=		
REG	Iron	4.1	UG/L	B	U	F01,F06
REG	Lead	1.5	UG/L	B	J	
REG	Magnesium	363	UG/L	=		
REG	Manganese	10.4	UG/L	=		
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	1.9	UG/L	B	U	F01,F06
REG	Potassium	421	UG/L	=		
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	1.2	UG/L	B	J	
REG	Sodium	2030	UG/L	=		

Location: SWMU 12A
Station : 12A-MW6

124611

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/17/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	8.2	UG/L	U	U	F01,F06

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.1	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.1	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.1	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.1	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.1	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25.2	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.1	UG/L	U	U	
REG	2,4-Dichlorophenol	10.1	UG/L	U	U	
REG	2,4-Dimethylphenol	10.1	UG/L	U	U	
REG	2,4-Dinitrophenol	25.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.1	UG/L	U	U	
REG	2-Chloronaphthalene	10.1	UG/L	U	U	
REG	2-Chlorophenol	10.1	UG/L	U	U	
REG	2-Methylnaphthalene	10.1	UG/L	U	U	
REG	2-Methylphenol	10.1	UG/L	U	U	
REG	2-Nitroaniline	25.2	UG/L	U	U	
REG	2-Nitrophenol	10.1	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20.2	UG/L	U	U	
REG	3-Nitroaniline	25.2	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25.2	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.1	UG/L	U	U	
REG	4-Chloroaniline	10.1	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.1	UG/L	U	U	
REG	4-Methylphenol	10.1	UG/L	U	U	
REG	4-Nitroaniline	25.2	UG/L	U	U	
REG	4-Nitrophenol	25.2	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.1	UG/L	U	U	
REG	Acenaphthene	10.1	UG/L	U	U	
REG	Acenaphthylene	10.1	UG/L	U	U	
REG	Anthracene	10.1	UG/L	U	U	
REG	Benzo(a)anthracene	10.1	UG/L	U	U	
REG	Benzo(a)pyrene	10.1	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.1	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.1	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.1	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.1	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.1	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.1	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.1	UG/L	U	U	
REG	Carbazole	10.1	UG/L	U	U	
REG	Chrysene	10.1	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.1	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.1	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.1	UG/L	U	U	
REG	Dibenzofuran	10.1	UG/L	U	U	
REG	Diethyl Phthalate	10.1	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW6

124611

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/17/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dimethyl Phthalate	10.1	UG/L	U	U	
REG	Fluoranthene	10.1	UG/L	U	U	
REG	Fluorene	10.1	UG/L	U	U	
REG	Hexachlorobenzene	10.1	UG/L	U	U	
REG	Hexachlorobutadiene	10.1	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.1	UG/L	U	U	
REG	Hexachloroethane	10.1	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.1	UG/L	U	U	
REG	Isophorone	10.1	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.1	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.1	UG/L	U	U	
REG	Naphthalene	10.1	UG/L	U	U	
REG	Nitrobenzene	10.1	UG/L	U	U	
REG	Pentachlorophenol	25.2	UG/L	U	U	
REG	Phenanthrene	10.1	UG/L	U	U	
REG	Phenol	10.1	UG/L	U	U	
REG	Pyrene	10.1	UG/L	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	.500	MG/L	U	U	

Location: SWMU 12A
Station : 12A-MW7

124711

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/25/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	445	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	19	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	1490	UG/L		=	
REG	Chromium	1.6	UG/L	B	J	
REG	Cobalt	0.46	UG/L	U	U	
REG	Copper	1.2	UG/L	B	J	
REG	Iron	302	UG/L		=	
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	631	UG/L		=	
REG	Manganese	10	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	3.1	UG/L	B	J	
REG	Potassium	509	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	2620	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	1.1	UG/L	B	J	
REG	Zinc	2.3	UG/L	B	U	F01,F06

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	18.5	UG/L	B	U	F06
REG	Antimony	2.9	UG/L	B	U	F01,F06
REG	Arsenic	3	UG/L	U	U	
REG	Barium	18.2	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	1470	UG/L		=	
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	0.46	UG/L	U	U	
REG	Copper	19.7	UG/L		=	
REG	Iron	16.7	UG/L	B	U	F01,F06
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	589	UG/L		=	

Location: SWMU 12A
Station : 12A-MW7

124711

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/25/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Manganese	9.5	UG/L	B	J	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	2.4	UG/L	B	J	
REG	Potassium	485	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	2630	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	7.9	UG/L		U	F01,F07

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.5	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.5	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.5	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	26.3	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.5	UG/L	U	U	
REG	2,4-Dichlorophenol	10.5	UG/L	U	U	
REG	2,4-Dimethylphenol	10.5	UG/L	U	U	
REG	2,4-Dinitrophenol	26.3	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.5	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.5	UG/L	U	U	
REG	2-Chloronaphthalene	10.5	UG/L	U	U	
REG	2-Chlorophenol	10.5	UG/L	U	U	
REG	2-Methylnaphthalene	10.5	UG/L	U	UJ	C05
REG	2-Methylphenol	10.5	UG/L	U	U	
REG	2-Nitroaniline	26.3	UG/L	U	U	
REG	2-Nitrophenol	10.5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	21	UG/L	U	U	
REG	3-Nitroaniline	26.3	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	26.3	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.5	UG/L	U	U	
REG	4-Chloroaniline	10.5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.5	UG/L	U	U	
REG	4-Methylphenol	10.5	UG/L	U	U	
REG	4-Nitroaniline	26.3	UG/L	U	U	
REG	4-Nitrophenol	26.3	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.5	UG/L	U	U	
REG	Acenaphthene	10.5	UG/L	U	U	
REG	Acenaphthylene	10.5	UG/L	U	U	
REG	Anthracene	10.5	UG/L	U	U	
REG	Benzo(a)anthracene	10.5	UG/L	U	U	
REG	Benzo(a)pyrene	10.5	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.5	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.5	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.5	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW7

124711

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/25/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Carbazole	10.5	UG/L	U	U	
REG	Chrysene	10.5	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.5	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.5	UG/L	U	U	
REG	Dibenzofuran	10.5	UG/L	U	U	
REG	Diethyl Phthalate	10.5	UG/L	U	U	
REG	Dimethyl Phthalate	10.5	UG/L	U	U	
REG	Fluoranthene	10.5	UG/L	U	U	
REG	Fluorene	10.5	UG/L	U	U	
REG	Hexachlorobenzene	10.5	UG/L	U	U	
REG	Hexachlorobutadiene	10.5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.5	UG/L	U	U	
REG	Hexachloroethane	10.5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.5	UG/L	U	U	
REG	Isophorone	10.5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.5	UG/L	U	U	
REG	Naphthalene	10.5	UG/L	U	U	
REG	Nitrobenzene	10.5	UG/L	U	U	
REG	Pentachlorophenol	26.3	UG/L	U	U	
REG	Phenanthrene	10.5	UG/L	U	U	
REG	Phenol	10.5	UG/L	U	U	
REG	Pyrene	10.5	UG/L	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	1.91	MG/L	=		

Location: SWMU 12A
Station : 12A-MW8

121811

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 01/21/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	4590	MG/KG	=		
REG	Antimony	0.24	MG/KG	UN	UJ	102
REG	Arsenic	0.92	MG/KG	B	J	
REG	Barium	40.6	MG/KG	B	J	
REG	Beryllium	0.12	MG/KG	B	J	
REG	Cadmium	0.2	MG/KG	B	J	
REG	Calcium	546	MG/KG	B	J	
REG	Chromium	2.4	MG/KG	=		
REG	Cobalt	0.34	MG/KG	B	J	
REG	Copper	4.5	MG/KG	BE	J	E07
REG	Iron	1650	MG/KG	=		
REG	Lead	4.6	MG/KG	E	J	E07
REG	Magnesium	107	MG/KG	B	J	
REG	Manganese	74.9	MG/KG	=		
REG	Mercury	0.03	MG/KG	B	U	F01,F06
REG	Nickel	1.3	MG/KG	B	J	
REG	Potassium	42	MG/KG	B	J	
REG	Selenium	0.16	MG/KG	U	R	F10
REG	Silver	0.07	MG/KG	U	U	
REG	Sodium	12.2	MG/KG	B	J	
REG	Thallium	0.29	MG/KG	U	U	
REG	Vanadium	4.4	MG/KG	B	J	
REG	Zinc	5.8	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-MW8

121811

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 01/21/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	U	
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	U	
REG	Tetryl	80	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	367	UG/KG	U	U	
REG	1,2-Dichlorobenzene	367	UG/KG	U	U	
REG	1,3-Dichlorobenzene	367	UG/KG	U	U	
REG	1,4-Dichlorobenzene	367	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	367	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	918	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	367	UG/KG	U	U	
REG	2,4-Dichlorophenol	367	UG/KG	U	U	
REG	2,4-Dimethylphenol	367	UG/KG	U	U	
REG	2,4-Dinitrophenol	918	UG/KG	U	U	
REG	2,4-Dinitrotoluene	367	UG/KG	U	U	
REG	2,6-Dinitrotoluene	367	UG/KG	U	U	
REG	2-Chloronaphthalene	367	UG/KG	U	U	
REG	2-Chlorophenol	367	UG/KG	U	U	
REG	2-Methylnaphthalene	367	UG/KG	U	UJ	C05
REG	2-Methylphenol	367	UG/KG	U	U	
REG	2-Nitroaniline	918	UG/KG	U	U	
REG	2-Nitrophenol	367	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	734	UG/KG	U	U	
REG	3-Nitroaniline	918	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	918	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	367	UG/KG	U	U	
REG	4-Chloroaniline	367	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	367	UG/KG	U	U	
REG	4-Methylphenol	367	UG/KG	U	U	
REG	4-Nitroaniline	918	UG/KG	U	U	
REG	4-Nitrophenol	918	UG/KG	U	U	
REG	4-chloro-3-methylphenol	367	UG/KG	U	U	
REG	Acenaphthene	367	UG/KG	U	U	
REG	Acenaphthylene	367	UG/KG	U	U	
REG	Anthracene	367	UG/KG	U	U	
REG	Benzo(a)anthracene	367	UG/KG	U	U	
REG	Benzo(a)pyrene	367	UG/KG	U	U	
REG	Benzo(b)fluoranthene	367	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	367	UG/KG	U	U	
REG	Benzo(k)fluoranthene	367	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	367	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	367	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	367	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	367	UG/KG	U	U	
REG	Carbazole	367	UG/KG	U	U	
REG	Chrysene	367	UG/KG	U	U	
REG	Di-n-butyl Phthalate	241	UG/KG	J	J	
REG	Di-n-octyl Phthalate	367	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	367	UG/KG	U	U	
REG	Dibenzofuran	367	UG/KG	U	U	
REG	Diethyl Phthalate	367	UG/KG	U	U	
REG	Dimethyl Phthalate	367	UG/KG	U	U	
REG	Fluoranthene	367	UG/KG	U	U	
REG	Fluorene	367	UG/KG	U	U	
REG	Hexachlorobenzene	367	UG/KG	U	U	
REG	Hexachlorobutadiene	367	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	367	UG/KG	U	U	
REG	Hexachloroethane	367	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	367	UG/KG	U	U	
REG	Isophorone	367	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	367	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	367	UG/KG	U	U	
REG	Naphthalene	367	UG/KG	U	U	
REG	Nitrobenzene	367	UG/KG	U	U	

Location: SWMU 12A
Station: 12A-MW8

121811 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 01/21/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Pentachlorophenol	918	UG/KG	U	U	
REG	Phenanthrene	367	UG/KG	U	U	
REG	Phenol	367	UG/KG	U	U	
REG	Pyrene	367	UG/KG	U	U	
TIC REG	680.0 OIL AND GREASE	680	UG/KG	J		
TIC REG	754.0 OIL AND GREASE	754	UG/KG	J		
TIC REG	852.0 OIL AND GREASE	852	UG/KG	J		
TIC REG	2950. OIL AND GREASE	2950	UG/KG	NJ		
TIC REG	1030. OIL AND GREASE	1030	UG/KG	J		
TIC REG	427.0 OIL AND GREASE	427	UG/KG	J		
TIC REG	164.0 OIL AND GREASE	164	UG/KG	J		
TIC REG	1020. OIL AND GREASE	1020	UG/KG	J		
TIC REG	189.0 OIL AND GREASE	189	UG/KG	J		
TIC REG	355.0 OIL AND GREASE	355	UG/KG	NJ		
TIC REG	727.0 OIL AND GREASE	727	UG/KG	J		

121812 5.0 - 7.5 FT Field Sample Type: Grab Matrix: Soil Collected: 01/21/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	13500	MG/KG		=	
REG	Antimony	0.24	MG/KG	UN	UJ	I02
REG	Arsenic	4.7	MG/KG		=	
REG	Barium	19.2	MG/KG	B	J	
REG	Beryllium	0.06	MG/KG	B	J	
REG	Cadmium	0.05	MG/KG	U	U	
REG	Calcium	15.4	MG/KG	B	U	F01,F06
REG	Chromium	17.7	MG/KG		=	
REG	Cobalt	0.18	MG/KG	B	J	
REG	Copper	1.3	MG/KG	BE	J	E07
REG	Iron	16100	MG/KG		=	
REG	Lead	13.5	MG/KG	E	J	E07
REG	Magnesium	134	MG/KG	B	J	
REG	Manganese	1.9	MG/KG	B	J	
REG	Mercury	0.03	MG/KG	B	U	F01,F06
REG	Nickel	1.7	MG/KG	B	J	
REG	Potassium	154	MG/KG	B	J	
REG	Selenium	0.92	MG/KG	B	J	F10
REG	Silver	0.11	MG/KG	B	U	F06
REG	Sodium	17.7	MG/KG	B	J	
REG	Thallium	0.3	MG/KG	U	U	
REG	Vanadium	35.3	MG/KG		=	
REG	Zinc	1.9	MG/KG	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	U	
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	U	
REG	Tetryl	80	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	405	UG/KG	U	U	
REG	1,2-Dichlorobenzene	405	UG/KG	U	U	
REG	1,3-Dichlorobenzene	405	UG/KG	U	U	
REG	1,4-Dichlorobenzene	405	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	405	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1010	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	405	UG/KG	U	U	

Location: SWMU 12A
Station: 12A-MW8

121812

5.0 - 7.5 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 01/21/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4-Dichlorophenol	405	UG/KG	U	U	
REG	2,4-Dimethylphenol	405	UG/KG	U	U	
REG	2,4-Dinitrophenol	1010	UG/KG	U	U	
REG	2,4-Dinitrotoluene	405	UG/KG	U	U	
REG	2,6-Dinitrotoluene	405	UG/KG	U	U	
REG	2-Chloronaphthalene	405	UG/KG	U	U	
REG	2-Chlorophenol	405	UG/KG	U	U	
REG	2-Methylnaphthalene	405	UG/KG	U	UJ	C05
REG	2-Methylphenol	405	UG/KG	U	U	
REG	2-Nitroaniline	1010	UG/KG	U	U	
REG	2-Nitrophenol	405	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	810	UG/KG	U	U	
REG	3-Nitroaniline	1010	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1010	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	405	UG/KG	U	U	
REG	4-Chloroaniline	405	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	405	UG/KG	U	U	
REG	4-Methylphenol	405	UG/KG	U	U	
REG	4-Nitroaniline	1010	UG/KG	U	U	
REG	4-Nitrophenol	1010	UG/KG	U	U	
REG	4-chloro-3-methylphenol	405	UG/KG	U	U	
REG	Acenaphthene	405	UG/KG	U	U	
REG	Acenaphthylene	405	UG/KG	U	U	
REG	Anthracene	405	UG/KG	U	U	
REG	Benzo(a)anthracene	405	UG/KG	U	U	
REG	Benzo(a)pyrene	405	UG/KG	U	U	
REG	Benzo(b)fluoranthene	405	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	405	UG/KG	U	U	
REG	Benzo(k)fluoranthene	405	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	405	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	405	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	405	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	405	UG/KG	U	U	
REG	Carbazole	405	UG/KG	U	U	
REG	Chrysene	405	UG/KG	U	U	
REG	Di-n-butyl Phthalate	405	UG/KG	U	U	
REG	Di-n-octyl Phthalate	405	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	405	UG/KG	U	U	
REG	Dibenzofuran	405	UG/KG	U	U	
REG	Diethyl Phthalate	405	UG/KG	U	U	
REG	Dimethyl Phthalate	405	UG/KG	U	U	
REG	Fluoranthene	405	UG/KG	U	U	
REG	Fluorene	405	UG/KG	U	U	
REG	Hexachlorobenzene	405	UG/KG	U	U	
REG	Hexachlorobutadiene	405	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	405	UG/KG	U	U	
REG	Hexachloroethane	405	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	405	UG/KG	U	U	
REG	Isophorone	405	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	405	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	405	UG/KG	U	U	
REG	Naphthalene	405	UG/KG	U	U	
REG	Nitrobenzene	405	UG/KG	U	U	
REG	Pentachlorophenol	1010	UG/KG	U	U	
REG	Phenanthrene	405	UG/KG	U	U	
REG	Phenol	405	UG/KG	U	U	
REG	Pyrene	405	UG/KG	U	U	
TIC REG	907.0 OIL AND GREASE	907	UG/KG	J		
TIC REG	824.0 OIL AND GREASE	824	UG/KG	J		
TIC REG	1040. OIL AND GREASE	1040	UG/KG	J		
TIC REG	1900. OIL AND GREASE	1900	UG/KG	J		
TIC REG	1140. OIL AND GREASE	1140	UG/KG	J		
TIC REG	1250. OIL AND GREASE	1250	UG/KG	J		
TIC REG	384.0 OIL AND GREASE	384	UG/KG	J		
Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	669	UG/KG	=		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	5960	MG/KG	=		
REG	Antimony	0.23	MG/KG	UN	UJ	I02
REG	Arsenic	0.85	MG/KG	B	J	
REG	Barium	34.6	MG/KG	B	J	
REG	Beryllium	0.11	MG/KG	B	J	
REG	Cadmium	0.24	MG/KG	B	J	
REG	Calcium	479	MG/KG	B	J	
REG	Chromium	3.6	MG/KG	=		
REG	Cobalt	0.38	MG/KG	B	J	
REG	Copper	10.2	MG/KG	E	J	E07
REG	Iron	2150	MG/KG	=		
REG	Lead	6	MG/KG	E	J	E07
REG	Magnesium	169	MG/KG	B	J	
REG	Manganese	61.8	MG/KG	=		
REG	Mercury	0.02	MG/KG	B	U	F01,F06
REG	Nickel	1.9	MG/KG	B	J	
REG	Potassium	65.1	MG/KG	B	J	
REG	Selenium	0.16	MG/KG	U	R	F10
REG	Silver	0.07	MG/KG	U	U	
REG	Sodium	12.6	MG/KG	B	J	
REG	Thallium	0.29	MG/KG	U	U	
REG	Vanadium	6.1	MG/KG	B	J	
REG	Zinc	10.5	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	202	UG/KG	=		
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	860	UG/KG	J	J	H03
REG	Tetryl	80	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	379	UG/KG	U	U	
REG	1,2-Dichlorobenzene	379	UG/KG	U	U	
REG	1,3-Dichlorobenzene	379	UG/KG	U	U	
REG	1,4-Dichlorobenzene	379	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	379	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	947	UG/KG	U	U	
REG	2,4-Dichlorophenol	379	UG/KG	U	U	
REG	2,4-Dimethylphenol	379	UG/KG	U	U	
REG	2,4-Dinitrophenol	947	UG/KG	U	U	
REG	2,4-Dinitrotoluene	379	UG/KG	U	U	
REG	2,6-Dinitrotoluene	379	UG/KG	U	U	
REG	2-Chloronaphthalene	379	UG/KG	U	U	
REG	2-Chlorophenol	379	UG/KG	U	U	
REG	2-Methylnaphthalene	379	UG/KG	U	UJ	C05
REG	2-Methylphenol	379	UG/KG	U	U	
REG	2-Nitroaniline	947	UG/KG	U	U	
REG	2-Nitrophenol	379	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	758	UG/KG	U	U	
REG	3-Nitroaniline	947	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	947	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	379	UG/KG	U	U	
REG	4-Chloroaniline	379	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	379	UG/KG	U	U	
REG	4-Methylphenol	379	UG/KG	U	U	
REG	4-Nitroaniline	947	UG/KG	U	U	
REG	4-Nitrophenol	947	UG/KG	U	U	
REG	4-chloro-3-methylphenol	379	UG/KG	U	U	
REG	Acenaphthene	379	UG/KG	U	U	
REG	Acenaphthylene	379	UG/KG	U	U	
REG	Anthracene	379	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-MW8

121821

0.0 - 1.0 FT

Field Sample Type: Field Duplicate

Matrix: Soil

Collected: 01/21/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Benzo(a)anthracene	379	UG/KG	U	U	
REG	Benzo(a)pyrene	379	UG/KG	U	U	
REG	Benzo(b)fluoranthene	379	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	379	UG/KG	U	U	
REG	Benzo(k)fluoranthene	379	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	379	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	379	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	379	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	379	UG/KG	U	U	
REG	Carbazole	379	UG/KG	U	U	
REG	Chrysene	379	UG/KG	U	U	
REG	Di-n-butyl Phthalate	292	UG/KG	J	J	
REG	Di-n-octyl Phthalate	379	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	379	UG/KG	U	U	
REG	Dibenzofuran	379	UG/KG	U	U	
REG	Diethyl Phthalate	379	UG/KG	U	U	
REG	Dimethyl Phthalate	379	UG/KG	U	U	
REG	Fluoranthene	379	UG/KG	U	U	
REG	Fluorene	379	UG/KG	U	U	
REG	Hexachlorobenzene	379	UG/KG	U	U	
REG	Hexachlorobutadiene	379	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	379	UG/KG	U	U	
REG	Hexachloroethane	379	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	379	UG/KG	U	U	
REG	Isophorone	379	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	379	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	379	UG/KG	U	U	
REG	Naphthalene	379	UG/KG	U	U	
REG	Nitrobenzene	379	UG/KG	U	U	
REG	Pentachlorophenol	947	UG/KG	U	U	
REG	Phenanthrene	379	UG/KG	U	U	
REG	Phenol	379	UG/KG	U	U	
REG	Pyrene	379	UG/KG	U	U	
TIC REG	728.0 OIL AND GREASE	728	UG/KG	J		
TIC REG	1200. OIL AND GREASE	1200	UG/KG	J		
TIC REG	953.0 OIL AND GREASE	953	UG/KG	J		
TIC REG	586.0 OIL AND GREASE	586	UG/KG	J		
TIC REG	623.0 OIL AND GREASE	623	UG/KG	J		

124811

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/17/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	260	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	15.9	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	528	UG/L	J		F10,E07
REG	Chromium	1.3	UG/L	B	U	F06
REG	Cobalt	0.46	UG/L	U	U	
REG	Copper	1.1	UG/L	U	U	
REG	Iron	109	UG/L		=	
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	501	UG/L		=	
REG	Manganese	4.4	UG/L	B	J	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	1.5	UG/L	B	U	F01,F06
REG	Potassium	359	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	3320	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	3.7	UG/L	B	U	F01,F06
Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code

Location: SWMU 12A
Station : 12A-MW8

124811

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/17/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	59.3	UG/L		U	F01,F07
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	15.8	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	F10,E07
REG	Cadmium	0.21	UG/L	U	U	
REG	Calcium	551	UG/L	J	U	
REG	Chromium	0.42	UG/L	U	U	
REG	Cobalt	0.46	UG/L	U	U	F01,F06
REG	Copper	20.5	UG/L		=	
REG	Iron	8.2	UG/L	B	U	
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	476	UG/L		=	F01,F06
REG	Manganese	4.4	UG/L	B	J	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	3.9	UG/L	B	U	
REG	Potassium	354	UG/L		=	F01,F06
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	3360	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	13	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	11.2	UG/L	U	U	
REG	1,2-Dichlorobenzene	11.2	UG/L	U	U	
REG	1,3-Dichlorobenzene	11.2	UG/L	U	U	
REG	1,4-Dichlorobenzene	11.2	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	11.2	UG/L	U	U	
REG	2,4,5-Trichlorophenol	28.1	UG/L	U	U	
REG	2,4,6-Trichlorophenol	11.2	UG/L	U	U	
REG	2,4-Dichlorophenol	11.2	UG/L	U	U	
REG	2,4-Dimethylphenol	11.2	UG/L	U	U	
REG	2,4-Dinitrophenol	28.1	UG/L	U	U	
REG	2,4-Dinitrotoluene	11.2	UG/L	U	U	
REG	2,6-Dinitrotoluene	11.2	UG/L	U	U	
REG	2-Chloronaphthalene	11.2	UG/L	U	U	
REG	2-Chlorophenol	11.2	UG/L	U	U	
REG	2-Methylnaphthalene	11.2	UG/L	U	U	
REG	2-Methylphenol	11.2	UG/L	U	U	
REG	2-Nitroaniline	28.1	UG/L	U	U	
REG	2-Nitrophenol	11.2	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	22.5	UG/L	U	U	
REG	3-Nitroaniline	28.1	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	28.1	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	11.2	UG/L	U	U	
REG	4-Chloroaniline	11.2	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	11.2	UG/L	U	U	
REG	4-Methylphenol	11.2	UG/L	U	U	
REG	4-Nitroaniline	28.1	UG/L	U	U	
REG	4-Nitrophenol	28.1	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW8

124811

Field Sample Type: Grab

Matrix: Groundwater

Collected: 02/17/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-chloro-3-methylphenol	11.2	UG/L	U	U	
REG	Acenaphthene	11.2	UG/L	U	U	
REG	Acenaphthylene	11.2	UG/L	U	U	
REG	Anthracene	11.2	UG/L	U	U	
REG	Benzo(a)anthracene	11.2	UG/L	U	U	
REG	Benzo(a)pyrene	11.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	11.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	11.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	11.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	11.2	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	11.2	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	11.2	UG/L	U	U	
REG	Butyl Benzyl Phthalate	11.2	UG/L	U	U	
REG	Carbazole	11.2	UG/L	U	U	
REG	Chrysene	11.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	11.2	UG/L	U	U	
REG	Di-n-octyl Phthalate	11.2	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	11.2	UG/L	U	U	
REG	Dibenzofuran	11.2	UG/L	U	U	
REG	Diethyl Phthalate	11.2	UG/L	U	U	
REG	Dimethyl Phthalate	11.2	UG/L	U	U	
REG	Fluoranthene	11.2	UG/L	U	U	
REG	Fluorene	11.2	UG/L	U	U	
REG	Hexachlorobenzene	11.2	UG/L	U	U	
REG	Hexachlorobutadiene	11.2	UG/L	U	U	
REG	Hexachlorocyclopentadiene	11.2	UG/L	U	U	
REG	Hexachloroethane	11.2	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	11.2	UG/L	U	U	
REG	Isophorone	11.2	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	11.2	UG/L	U	U	
REG	N-Nitrosodiphenylamine	11.2	UG/L	U	U	
REG	Naphthalene	11.2	UG/L	U	U	
REG	Nitrobenzene	11.2	UG/L	U	U	
REG	Pentachlorophenol	28.1	UG/L	U	U	
REG	Phenanthrene	11.2	UG/L	U	U	
REG	Phenol	11.2	UG/L	U	U	
REG	Pyrene	11.2	UG/L	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	1.04	MG/L	=		

Location: SWMU 12A
Station : 12A-MW9

121911

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 01/20/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	4250	MG/KG	=		
REG	Antimony	0.22	MG/KG	UN	UJ	102
REG	Arsenic	0.86	MG/KG	B	J	
REG	Barium	17.7	MG/KG	B	J	
REG	Beryllium	0.09	MG/KG	B	J	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Calcium	146	MG/KG	B	J	
REG	Chromium	2.4	MG/KG	=		
REG	Cobalt	0.32	MG/KG	B	J	
REG	Copper	5.1	MG/KG	BE	J	E07
REG	Iron	1260	MG/KG	=		
REG	Lead	4.1	MG/KG	E	J	E07
REG	Magnesium	102	MG/KG	B	J	
REG	Manganese	35.2	MG/KG	=		
REG	Mercury	0.02	MG/KG	U	U	
REG	Nickel	1.3	MG/KG	B	J	
REG	Potassium	63.6	MG/KG	B	J	
REG	Selenium	0.15	MG/KG	U	R	F10
REG	Silver	0.07	MG/KG	U	U	

Location: SWMU 12A
Station : 12A-MW9

121911

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 01/20/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sodium	7.8	MG/KG	B	J	
REG	Thallium	0.27	MG/KG	U	U	
REG	Vanadium	3.5	MG/KG	B	J	
REG	Zinc	4.1	MG/KG	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	U	
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	U	
REG	Tetryl	80	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	370	UG/KG	U	U	
REG	1,2-Dichlorobenzene	370	UG/KG	U	U	
REG	1,3-Dichlorobenzene	370	UG/KG	U	U	
REG	1,4-Dichlorobenzene	370	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	370	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	926	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	370	UG/KG	U	U	
REG	2,4-Dichlorophenol	370	UG/KG	U	U	
REG	2,4-Dimethylphenol	370	UG/KG	U	U	
REG	2,4-Dinitrophenol	926	UG/KG	U	U	
REG	2,4-Dinitrotoluene	370	UG/KG	U	U	
REG	2,6-Dinitrotoluene	370	UG/KG	U	U	
REG	2-Chloronaphthalene	370	UG/KG	U	U	
REG	2-Chlorophenol	370	UG/KG	U	U	
REG	2-Methylnaphthalene	370	UG/KG	U	U	
REG	2-Methylphenol	370	UG/KG	U	U	
REG	2-Nitroaniline	926	UG/KG	U	U	
REG	2-Nitrophenol	370	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	741	UG/KG	U	UJ	C05
REG	3-Nitroaniline	926	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	926	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	370	UG/KG	U	U	
REG	4-Chloroaniline	370	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	370	UG/KG	U	U	
REG	4-Methylphenol	370	UG/KG	U	U	
REG	4-Nitroaniline	926	UG/KG	U	U	
REG	4-Nitrophenol	926	UG/KG	U	U	
REG	4-chloro-3-methylphenol	370	UG/KG	U	U	
REG	Acenaphthene	370	UG/KG	U	U	
REG	Acenaphthylene	370	UG/KG	U	U	
REG	Anthracene	370	UG/KG	U	U	
REG	Benzo(a)anthracene	370	UG/KG	U	U	
REG	Benzo(a)pyrene	370	UG/KG	U	U	
REG	Benzo(b)fluoranthene	370	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	370	UG/KG	U	U	
REG	Benzo(k)fluoranthene	370	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	370	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	370	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	370	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	370	UG/KG	U	U	
REG	Carbazole	370	UG/KG	U	U	
REG	Chrysene	370	UG/KG	U	U	
REG	Di-n-butyl Phthalate	370	UG/KG	U	U	
REG	Di-n-octyl Phthalate	370	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	370	UG/KG	U	U	
REG	Dibenzofuran	370	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-MW9

121911 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 01/20/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Diethyl Phthalate	370	UG/KG	U	U	
REG	Dimethyl Phthalate	370	UG/KG	U	U	
REG	Fluoranthene	370	UG/KG	U	U	
REG	Fluorene	370	UG/KG	U	U	
REG	Hexachlorobenzene	370	UG/KG	U	U	
REG	Hexachlorobutadiene	370	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	370	UG/KG	U	U	
REG	Hexachloroethane	370	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	370	UG/KG	U	U	
REG	Isophorone	370	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	370	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	370	UG/KG	U	U	
REG	Naphthalene	370	UG/KG	U	U	
REG	Nitrobenzene	370	UG/KG	U	U	
REG	Pentachlorophenol	926	UG/KG	U	U	
REG	Phenanthrene	370	UG/KG	U	U	
REG	Phenol	370	UG/KG	U	U	
REG	Pyrene	370	UG/KG	U	U	
TIC REG	575.0 OIL AND GREASE	575	UG/KG	J		
TIC REG	200.0 OIL AND GREASE	200	UG/KG	J		
TIC REG	733.0 OIL AND GREASE	733	UG/KG	J		
TIC REG	830.0 OIL AND GREASE	830	UG/KG	J		
TIC REG	1070.0 OIL AND GREASE	1070	UG/KG	J		
TIC REG	239.0 OIL AND GREASE	239	UG/KG	J		

121912 27.5 - 30.0 FT Field Sample Type: Grab Matrix: Soil Collected: 01/20/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2710	MG/KG	=		
REG	Antimony	0.22	MG/KG	UN	UJ	I02
REG	Arsenic	0.35	MG/KG	U	U	
REG	Barium	2.8	MG/KG	B	J	
REG	Beryllium	0.02	MG/KG	B	J	
REG	Cadmium	0.04	MG/KG	U	U	
REG	Calcium	6.4	MG/KG	B	U	F01,F06
REG	Chromium	3.2	MG/KG	=		
REG	Cobalt	0.05	MG/KG	U	U	
REG	Copper	0.37	MG/KG	BE	J	E07
REG	Iron	401	MG/KG	=		
REG	Lead	3.1	MG/KG	E	J	E07
REG	Magnesium	66.3	MG/KG	B	J	
REG	Manganese	1.3	MG/KG	B	J	
REG	Mercury	0.02	MG/KG	U	U	
REG	Nickel	0.16	MG/KG	B	J	
REG	Potassium	96.3	MG/KG	B	J	
REG	Selenium	0.15	MG/KG	U	R	F10
REG	Silver	0.07	MG/KG	B	U	F06
REG	Sodium	4.6	MG/KG	B	J	
REG	Thallium	0.28	MG/KG	U	U	
REG	Vanadium	5.5	MG/KG	B	J	
REG	Zinc	0.89	MG/KG	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	U	
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	U	
REG	Tetryl	80	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	374	UG/KG	U	U	
REG	1,2-Dichlorobenzene	374	UG/KG	U	U	
REG	1,3-Dichlorobenzene	374	UG/KG	U	U	
REG	1,4-Dichlorobenzene	374	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	374	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	936	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	374	UG/KG	U	U	
REG	2,4-Dichlorophenol	374	UG/KG	U	U	
REG	2,4-Dimethylphenol	374	UG/KG	U	U	
REG	2,4-Dinitrophenol	936	UG/KG	U	U	
REG	2,4-Dinitrotoluene	374	UG/KG	U	U	
REG	2,6-Dinitrotoluene	374	UG/KG	U	U	
REG	2-Chloronaphthalene	374	UG/KG	U	U	
REG	2-Chlorophenol	374	UG/KG	U	U	
REG	2-Methylnaphthalene	374	UG/KG	U	U	
REG	2-Methylphenol	374	UG/KG	U	U	
REG	2-Nitroaniline	936	UG/KG	U	U	
REG	2-Nitrophenol	374	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	749	UG/KG	U	UJ	C05
REG	3-Nitroaniline	936	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	936	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	374	UG/KG	U	U	
REG	4-Chloroaniline	374	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	374	UG/KG	U	U	
REG	4-Methylphenol	374	UG/KG	U	U	
REG	4-Nitroaniline	936	UG/KG	U	U	
REG	4-Nitrophenol	936	UG/KG	U	U	
REG	4-chloro-3-methylphenol	374	UG/KG	U	U	
REG	Acenaphthene	374	UG/KG	U	U	
REG	Acenaphthylene	374	UG/KG	U	U	
REG	Anthracene	374	UG/KG	U	U	
REG	Benzo(a)anthracene	374	UG/KG	U	U	
REG	Benzo(a)pyrene	374	UG/KG	U	U	
REG	Benzo(b)fluoranthene	374	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	374	UG/KG	U	U	
REG	Benzo(k)fluoranthene	374	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	374	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	374	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	374	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	374	UG/KG	U	U	
REG	Carbazole	374	UG/KG	U	U	
REG	Chrysene	374	UG/KG	U	U	
REG	Di-n-butyl Phthalate	374	UG/KG	U	U	
REG	Di-n-octyl Phthalate	374	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	374	UG/KG	U	U	
REG	Dibenzofuran	374	UG/KG	U	U	
REG	Diethyl Phthalate	374	UG/KG	U	U	
REG	Dimethyl Phthalate	374	UG/KG	U	U	
REG	Fluoranthene	374	UG/KG	U	U	
REG	Fluorene	374	UG/KG	U	U	
REG	Hexachlorobenzene	374	UG/KG	U	U	
REG	Hexachlorobutadiene	374	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	374	UG/KG	U	U	
REG	Hexachloroethane	374	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	374	UG/KG	U	U	
REG	Isophorone	374	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	374	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	374	UG/KG	U	U	
REG	Naphthalene	374	UG/KG	U	U	
REG	Nitrobenzene	374	UG/KG	U	U	
REG	Pentachlorophenol	936	UG/KG	U	U	
REG	Phenanthrene	374	UG/KG	U	U	
REG	Phenol	374	UG/KG	U	U	
REG	Pyrene	374	UG/KG	U	U	
TIC REG	227.0 OIL AND GREASE	227	UG/KG	J		
TIC REG	300.0 OIL AND GREASE	300	UG/KG	J		
TIC REG	730.0 OIL AND GREASE	730	UG/KG	J		
TIC REG	544.0 OIL AND GREASE	544	UG/KG	J		
TIC REG	624.0 OIL AND GREASE	624	UG/KG	J		
TIC REG	753.0 OIL AND GREASE	753	UG/KG	J		
TIC REG	685.0 OIL AND GREASE	685	UG/KG	J		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	824	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	48.2	UG/L	B	J	
REG	Beryllium	0.07	UG/L	U	U	
REG	Cadmium	0.59	UG/L	B	U	F06
REG	Calcium	2940	UG/L	E	J	E07
REG	Chromium	0.71	UG/L	B	U	F06
REG	Cobalt	7.1	UG/L		=	
REG	Copper	1.1	UG/L	U	U	
REG	Iron	405	UG/L		=	
REG	Lead	1.7	UG/L	B	U	F06
REG	Magnesium	1590	UG/L		=	
REG	Manganese	68.9	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	12.1	UG/L		=	
REG	Potassium	675	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.86	UG/L	U	U	
REG	Sodium	2780	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	B	J	
REG	Zinc	14.8	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	450	UG/L		=	
REG	Antimony	1.9	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	49.3	UG/L	B	J	
REG	Beryllium	0.14	UG/L	B	J	
REG	Cadmium	0.58	UG/L	B	U	F06
REG	Calcium	2930	UG/L		J	E07
REG	Chromium	0.47	UG/L	B	J	
REG	Cobalt	7	UG/L		=	
REG	Copper	18.7	UG/L		=	
REG	Iron	231	UG/L		=	
REG	Lead	0.96	UG/L	U	U	
REG	Magnesium	1570	UG/L		=	
REG	Manganese	70.1	UG/L		=	
REG	Mercury	0.10	UG/L	U	U	
REG	Nickel	14.9	UG/L		=	
REG	Potassium	690	UG/L		=	
REG	Selenium	2.5	UG/L	U	U	
REG	Silver	0.92	UG/L	B	J	
REG	Sodium	2880	UG/L		=	
REG	Thallium	3.2	UG/L	U	U	
REG	Vanadium	0.48	UG/L	U	U	
REG	Zinc	22.7	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.2	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.2	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.2	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.2	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.2	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25.5	UG/L	U	U	

Location: SWMU 12A
Station : 12A-MW9

124911

Field Sample Type: Grab Matrix: Groundwater

Collected: 02/17/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4,6-Trichlorophenol	10.2	UG/L	U	U	
REG	2,4-Dichlorophenol	10.2	UG/L	U	U	
REG	2,4-Dimethylphenol	10.2	UG/L	U	U	
REG	2,4-Dinitrophenol	25.5	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.2	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.2	UG/L	U	U	
REG	2-Chloronaphthalene	10.2	UG/L	U	U	
REG	2-Chlorophenol	10.2	UG/L	U	U	
REG	2-Methylnaphthalene	10.2	UG/L	U	U	
REG	2-Methylphenol	10.2	UG/L	U	U	
REG	2-Nitroaniline	25.5	UG/L	U	U	
REG	2-Nitrophenol	10.2	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20.4	UG/L	U	U	
REG	3-Nitroaniline	25.5	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25.5	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.2	UG/L	U	U	
REG	4-Chloroaniline	10.2	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.2	UG/L	U	U	
REG	4-Methylphenol	10.2	UG/L	U	U	
REG	4-Nitroaniline	25.5	UG/L	U	U	
REG	4-Nitrophenol	25.5	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.2	UG/L	U	U	
REG	Acenaphthene	10.2	UG/L	U	U	
REG	Acenaphthylene	10.2	UG/L	U	U	
REG	Anthracene	10.2	UG/L	U	U	
REG	Benzo(a)anthracene	10.2	UG/L	U	U	
REG	Benzo(a)pyrene	10.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.2	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.2	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	7	UG/L	J	J	
REG	Butyl Benzyl Phthalate	10.2	UG/L	U	U	
REG	Carbazole	10.2	UG/L	U	U	
REG	Chrysene	10.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.2	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.2	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.2	UG/L	U	U	
REG	Dibenzofuran	10.2	UG/L	U	U	
REG	Diethyl Phthalate	10.2	UG/L	U	U	
REG	Dimethyl Phthalate	10.2	UG/L	U	U	
REG	Fluoranthene	10.2	UG/L	U	U	
REG	Fluorene	10.2	UG/L	U	U	
REG	Hexachlorobenzene	10.2	UG/L	U	U	
REG	Hexachlorobutadiene	10.2	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.2	UG/L	U	U	
REG	Hexachloroethane	10.2	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.2	UG/L	U	U	
REG	Isophorone	10.2	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.2	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.2	UG/L	U	U	
REG	Naphthalene	10.2	UG/L	U	U	
REG	Nitrobenzene	10.2	UG/L	U	U	
REG	Pentachlorophenol	25.5	UG/L	U	U	
REG	Phenanthrene	10.2	UG/L	U	U	
REG	Phenol	10.2	UG/L	U	U	
REG	Pyrene	10.2	UG/L	U	U	

Sample Type	Total Organic Carbon (TOC)	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Total Organic Carbon	0.506	MG/L	=		

Location: SWMU 12A
Station : 12A-SS-07

127711

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12000	MG/KG	=		
REG	Antimony	0.25	MG/KG	UN	UJ	I02
REG	Arsenic	0.95	MG/KG	B	J	
REG	Barium	42.1	MG/KG	B	J	
REG	Beryllium	0.16	MG/KG	B	J	
REG	Cadmium	0.11	MG/KG	B	J	
REG	Calcium	126	MG/KG	B	J	
REG	Chromium	7.4	MG/KG	=		
REG	Cobalt	1.1	MG/KG	B	J	
REG	Copper	1.3	MG/KG	B*	J	F10
REG	Iron	3850	MG/KG	J		P01
REG	Lead	6.5	MG/KG	*	=	
REG	Magnesium	261	MG/KG	BN	J	I02
REG	Manganese	16.3	MG/KG	=		
REG	Mercury	0.03	MG/KG	B	J	
REG	Nickel	3.6	MG/KG	B	J	
REG	Potassium	144	MG/KG	B	J	
REG	Selenium	0.17	MG/KG	U	U	
REG	Silver	0.07	MG/KG	U	U	
REG	Sodium	15.7	MG/KG	B	U	F01,F06
REG	Thallium	0.31	MG/KG	U	R	F10
REG	Vanadium	13.5	MG/KG	=		
REG	Zinc	4.1	MG/KG	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	406	UG/KG	U	U	
REG	1,2-Dichlorobenzene	406	UG/KG	U	U	
REG	1,3-Dichlorobenzene	406	UG/KG	U	U	
REG	1,4-Dichlorobenzene	406	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	406	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1020	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	406	UG/KG	U	U	
REG	2,4-Dichlorophenol	406	UG/KG	U	U	
REG	2,4-Dimethylphenol	406	UG/KG	U	U	
REG	2,4-Dinitrophenol	1020	UG/KG	U	U	
REG	2,4-Dinitrotoluene	406	UG/KG	U	U	
REG	2,6-Dinitrotoluene	406	UG/KG	U	U	
REG	2-Chloronaphthalene	406	UG/KG	U	U	
REG	2-Chlorophenol	406	UG/KG	U	U	
REG	2-Methylnaphthalene	406	UG/KG	U	U	
REG	2-Methylphenol	406	UG/KG	U	U	
REG	2-Nitroaniline	1020	UG/KG	U	U	
REG	2-Nitrophenol	406	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	813	UG/KG	U	U	
REG	3-Nitroaniline	1020	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1020	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	406	UG/KG	U	U	
REG	4-Chloroaniline	406	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	406	UG/KG	U	U	
REG	4-Methylphenol	406	UG/KG	U	U	
REG	4-Nitroaniline	1020	UG/KG	U	U	
REG	4-Nitrophenol	1020	UG/KG	U	U	

Location: SWMU 12A
Station: 12A-SS-07

127711 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 01/28/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-chloro-3-methylphenol	406	UG/KG	U	U	
REG	Acenaphthene	406	UG/KG	U	U	
REG	Acenaphthylene	406	UG/KG	U	U	
REG	Anthracene	406	UG/KG	U	U	
REG	Benzo(a)anthracene	406	UG/KG	U	U	
REG	Benzo(a)pyrene	406	UG/KG	U	U	
REG	Benzo(b)fluoranthene	406	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	406	UG/KG	U	U	
REG	Benzo(k)fluoranthene	406	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	406	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	406	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	406	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	406	UG/KG	U	U	
REG	Carbazole	406	UG/KG	U	U	
REG	Chrysene	406	UG/KG	U	U	
REG	Di-n-butyl Phthalate	406	UG/KG	U	U	
REG	Di-n-octyl Phthalate	406	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	406	UG/KG	U	U	
REG	Dibenzofuran	406	UG/KG	U	U	
REG	Diethyl Phthalate	406	UG/KG	U	U	
REG	Dimethyl Phthalate	406	UG/KG	U	U	
REG	Fluoranthene	406	UG/KG	U	U	
REG	Fluorene	406	UG/KG	U	U	
REG	Hexachlorobenzene	406	UG/KG	U	U	
REG	Hexachlorobutadiene	406	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	406	UG/KG	U	U	
REG	Hexachloroethane	406	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	406	UG/KG	U	U	
REG	Isophorone	406	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	406	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	406	UG/KG	U	U	
REG	Naphthalene	406	UG/KG	U	U	
REG	Nitrobenzene	406	UG/KG	U	U	
REG	Pentachlorophenol	1020	UG/KG	U	U	
REG	Phenanthrene	406	UG/KG	U	U	
REG	Phenol	406	UG/KG	U	U	
REG	Pyrene	406	UG/KG	U	U	
TIC REG	213.0 OIL AND GREASE	213	UG/KG	J		
TIC REG	169.0 OIL AND GREASE	169	UG/KG	J		
TIC REG	208.0 OIL AND GREASE	208	UG/KG	J		

127721 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9700	MG/KG	=		
REG	Antimony	0.25	MG/KG	UN	UJ	102
REG	Arsenic	0.43	MG/KG	B	J	
REG	Barium	36.4	MG/KG	B	J	
REG	Beryllium	0.14	MG/KG	B	J	
REG	Cadmium	0.13	MG/KG	B	J	
REG	Calcium	112	MG/KG	B	J	
REG	Chromium	5.9	MG/KG	=		
REG	Cobalt	1.1	MG/KG	B	J	
REG	Copper	0.99	MG/KG	B*	J	F10
REG	Iron	3210	MG/KG	J		P01
REG	Lead	5.6	MG/KG	*	=	
REG	Magnesium	203	MG/KG	BN	J	102
REG	Manganese	19.1	MG/KG	=		
REG	Mercury	0.03	MG/KG	B	J	
REG	Nickel	2.7	MG/KG	B	J	
REG	Potassium	113	MG/KG	B	J	
REG	Selenium	0.19	MG/KG	B	J	
REG	Silver	0.08	MG/KG	U	U	
REG	Sodium	14.1	MG/KG	B	U	F01,F06
REG	Thallium	0.31	MG/KG	U	R	F10
REG	Vanadium	11	MG/KG	B	J	
REG	Zinc	4.6	MG/KG	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	402	UG/KG	U	U	
REG	1,2-Dichlorobenzene	402	UG/KG	U	U	
REG	1,3-Dichlorobenzene	402	UG/KG	U	U	
REG	1,4-Dichlorobenzene	402	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	402	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1000	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	402	UG/KG	U	U	
REG	2,4-Dichlorophenol	402	UG/KG	U	U	
REG	2,4-Dimethylphenol	402	UG/KG	U	U	
REG	2,4-Dinitrophenol	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	402	UG/KG	U	U	
REG	2,6-Dinitrotoluene	402	UG/KG	U	U	
REG	2-Chloronaphthalene	402	UG/KG	U	U	
REG	2-Chlorophenol	402	UG/KG	U	U	
REG	2-Methylnaphthalene	402	UG/KG	U	U	
REG	2-Methylphenol	402	UG/KG	U	U	
REG	2-Nitroaniline	1000	UG/KG	U	U	
REG	2-Nitrophenol	402	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	803	UG/KG	U	U	
REG	3-Nitroaniline	1000	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1000	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	402	UG/KG	U	U	
REG	4-Chloroaniline	402	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	402	UG/KG	U	U	
REG	4-Methylphenol	402	UG/KG	U	U	
REG	4-Nitroaniline	1000	UG/KG	U	U	
REG	4-Nitrophenol	1000	UG/KG	U	U	
REG	4-chloro-3-methylphenol	402	UG/KG	U	U	
REG	Acenaphthene	402	UG/KG	U	U	
REG	Acenaphthylene	402	UG/KG	U	U	
REG	Anthracene	402	UG/KG	U	U	
REG	Benzo(a)anthracene	402	UG/KG	U	U	
REG	Benzo(a)pyrene	402	UG/KG	U	U	
REG	Benzo(b)fluoranthene	402	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	402	UG/KG	U	U	
REG	Benzo(k)fluoranthene	402	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	402	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	402	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	402	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	402	UG/KG	U	U	
REG	Carbazole	402	UG/KG	U	U	
REG	Chrysene	402	UG/KG	U	U	
REG	Di-n-butyl Phthalate	402	UG/KG	U	U	
REG	Di-n-octyl Phthalate	402	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	402	UG/KG	U	U	
REG	Dibenzofuran	402	UG/KG	U	U	
REG	Diethyl Phthalate	402	UG/KG	U	U	
REG	Dimethyl Phthalate	402	UG/KG	U	U	
REG	Fluoranthene	402	UG/KG	U	U	
REG	Fluorene	402	UG/KG	U	U	
REG	Hexachlorobenzene	402	UG/KG	U	U	
REG	Hexachlorobutadiene	402	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	402	UG/KG	U	U	
REG	Hexachloroethane	402	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	402	UG/KG	U	U	
REG	Isophorone	402	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	402	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	402	UG/KG	U	U	
REG	Naphthalene	402	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SS-07

127721 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Surface Soil Collected: 01/28/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nitrobenzene	402	UG/KG	U	U	
REG	Pentachlorophenol	1000	UG/KG	U	U	
REG	Phenanthrene	402	UG/KG	U	U	
REG	Phenol	402	UG/KG	U	U	
REG	Pyrene	402	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SS-08

127811 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2660	MG/KG		=	
REG	Antimony	0.25	MG/KG	UN	UJ	102
REG	Arsenic	0.38	MG/KG	U	U	
REG	Barium	14.3	MG/KG	B	J	
REG	Beryllium	0.05	MG/KG	B	J	
REG	Cadmium	0.35	MG/KG	B	J	
REG	Calcium	144	MG/KG	B	J	
REG	Chromium	2.7	MG/KG		=	
REG	Cobalt	0.47	MG/KG	B	J	
REG	Copper	34	MG/KG	*	J	F10
REG	Iron	1170	MG/KG		J	P01
REG	Lead	46.3	MG/KG	*	=	
REG	Magnesium	69.5	MG/KG	BN	J	102
REG	Manganese	26.4	MG/KG		=	
REG	Mercury	0.02	MG/KG	U	U	
REG	Nickel	1.3	MG/KG	B	J	
REG	Potassium	37.5	MG/KG	B	J	
REG	Selenium	0.21	MG/KG	B	J	
REG	Silver	0.07	MG/KG	U	U	
REG	Sodium	5.4	MG/KG	B	U	F01,F06
REG	Thallium	0.31	MG/KG	U	R	F10
REG	Vanadium	3.9	MG/KG	B	J	
REG	Zinc	20.2	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	215	UG/KG		J	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	202	UG/KG		J	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	803	UG/KG	U	U	
REG	1,2-Dichlorobenzene	803	UG/KG	U	U	
REG	1,3-Dichlorobenzene	803	UG/KG	U	U	
REG	1,4-Dichlorobenzene	803	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	803	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	2010	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	803	UG/KG	U	U	
REG	2,4-Dichlorophenol	803	UG/KG	U	U	
REG	2,4-Dimethylphenol	803	UG/KG	U	U	
REG	2,4-Dinitrophenol	2010	UG/KG	U	U	
REG	2,4-Dinitrotoluene	803	UG/KG	U	U	
REG	2,6-Dinitrotoluene	803	UG/KG	U	U	
REG	2-Chloronaphthalene	803	UG/KG	U	U	
REG	2-Chlorophenol	803	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SS-08

127811

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Methylnaphthalene	803	UG/KG	U	U	
REG	2-Methylphenol	803	UG/KG	U	U	
REG	2-Nitroaniline	2010	UG/KG	U	U	
REG	2-Nitrophenol	803	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1610	UG/KG	U	U	
REG	3-Nitroaniline	2010	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	2010	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	803	UG/KG	U	U	
REG	4-Chloroaniline	803	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	803	UG/KG	U	U	
REG	4-Methylphenol	803	UG/KG	U	U	
REG	4-Nitroaniline	2010	UG/KG	U	U	
REG	4-Nitrophenol	2010	UG/KG	U	U	
REG	4-chloro-3-methylphenol	803	UG/KG	U	U	
REG	Acenaphthene	803	UG/KG	U	U	
REG	Acenaphthylene	803	UG/KG	U	U	
REG	Anthracene	803	UG/KG	U	U	
REG	Benzo(a)anthracene	803	UG/KG	U	U	
REG	Benzo(a)pyrene	803	UG/KG	U	U	
REG	Benzo(b)fluoranthene	803	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	803	UG/KG	U	U	
REG	Benzo(k)fluoranthene	803	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	803	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	803	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	803	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	803	UG/KG	U	U	
REG	Carbazole	803	UG/KG	U	U	
REG	Chrysene	803	UG/KG	U	U	
REG	Di-n-butyl Phthalate	3210	UG/KG		=	
REG	Di-n-octyl Phthalate	803	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	803	UG/KG	U	U	
REG	Dibenzofuran	803	UG/KG	U	U	
REG	Diethyl Phthalate	803	UG/KG	U	U	
REG	Dimethyl Phthalate	803	UG/KG	U	U	
REG	Fluoranthene	803	UG/KG	U	U	
REG	Fluorene	803	UG/KG	U	U	
REG	Hexachlorobenzene	803	UG/KG	U	U	
REG	Hexachlorobutadiene	803	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	803	UG/KG	U	U	
REG	Hexachloroethane	803	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	803	UG/KG	U	U	
REG	Isophorone	803	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	803	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	803	UG/KG	U	U	
REG	Naphthalene	803	UG/KG	U	U	
REG	Nitrobenzene	803	UG/KG	U	U	
REG	Pentachlorophenol	2010	UG/KG	U	U	
REG	Phenanthrene	803	UG/KG	U	U	
REG	Phenol	803	UG/KG	U	U	
REG	Pyrene	803	UG/KG	U	U	
TIC REG	416.0 OIL AND GREASE	416	UG/KG	J		
TIC REG	392.0 OIL AND GREASE	392	UG/KG	J		
TIC REG	443.0 OIL AND GREASE	443	UG/KG	J		

Location: SWMU 12A
Station : 12A-SS-09

127911

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	9840	MG/KG		=	
REG	Antimony	0.53	MG/KG	BN	J	102
REG	Arsenic	1	MG/KG	B	J	
REG	Barium	29.3	MG/KG	B	J	
REG	Beryllium	0.12	MG/KG	B	J	
REG	Cadmium	0.51	MG/KG	B	J	
REG	Calcium	108	MG/KG	B	J	
REG	Chromium	7.9	MG/KG		=	

Location: SWMU 12A
Station : 12A-SS-09

127911

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cobalt	1	MG/KG	B	J	
REG	Copper	40.7	MG/KG	*	J	F10
REG	Iron	4030	MG/KG		J	P01
REG	Lead	30.8	MG/KG	*	=	
REG	Magnesium	236	MG/KG	BN	J	I02
REG	Manganese	45.5	MG/KG		=	
REG	Mercury	0.03	MG/KG	B	J	
REG	Nickel	3.7	MG/KG	B	J	
REG	Potassium	141	MG/KG	B	J	
REG	Selenium	0.25	MG/KG	B	J	
REG	Silver	0.08	MG/KG	U	U	
REG	Sodium	21.3	MG/KG	B	U	F01,F06
REG	Thallium	0.33	MG/KG	U	R	F10
REG	Vanadium	15.1	MG/KG		=	
REG	Zinc	27.4	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,3,5-Trinitrobenzene	160	UG/KG	U	U	
DIL	1,3-Dinitrobenzene	160	UG/KG	U	U	
DIL	2,4,6-Trinitrotoluene	3430	UG/KG	D	J	H06
DIL	2,4-Dinitrotoluene	160	UG/KG	U	U	
DIL	2,6-Dinitrotoluene	160	UG/KG	U	U	
DIL	2-Nitrotoluene	160	UG/KG	U	U	
DIL	3-Nitrotoluene	160	UG/KG	U	U	
DIL	4-Nitrotoluene	160	UG/KG	U	U	
DIL	HMX	179	UG/KG	D	J	P01,H06
DIL	Nitrobenzene	160	UG/KG	U	U	
DIL	RDX	160	UG/KG	U	UJ	P01
DIL	Tetryl	160	UG/KG	U	UJ	P01

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	3430	UG/KG	D	J	H06
REG	2,4-Dinitrotoluene	146	UG/KG		J	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	179	UG/KG	D	J	P01,H06
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	144	UG/KG		J	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	874	UG/KG	U	U	
REG	1,2-Dichlorobenzene	874	UG/KG	U	U	
REG	1,3-Dichlorobenzene	874	UG/KG	U	U	
REG	1,4-Dichlorobenzene	874	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	874	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	2180	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	874	UG/KG	U	U	
REG	2,4-Dichlorophenol	874	UG/KG	U	U	
REG	2,4-Dimethylphenol	874	UG/KG	U	U	
REG	2,4-Dinitrophenol	2180	UG/KG	U	U	
REG	2,4-Dinitrotoluene	874	UG/KG	U	U	
REG	2,6-Dinitrotoluene	874	UG/KG	U	U	
REG	2-Chloronaphthalene	874	UG/KG	U	U	
REG	2-Chlorophenol	874	UG/KG	U	U	
REG	2-Methylnaphthalene	874	UG/KG	U	U	
REG	2-Methylphenol	874	UG/KG	U	U	
REG	2-Nitroaniline	2180	UG/KG	U	U	
REG	2-Nitrophenol	874	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1750	UG/KG	U	U	
REG	3-Nitroaniline	2180	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SS-09

127911

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4,6-Dinitro-o-Cresol	2180	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	874	UG/KG	U	U	
REG	4-Chloroaniline	874	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	874	UG/KG	U	U	
REG	4-Methylphenol	874	UG/KG	U	U	
REG	4-Nitroaniline	2180	UG/KG	U	U	
REG	4-Nitrophenol	2180	UG/KG	U	U	
REG	4-chloro-3-methylphenol	874	UG/KG	U	U	
REG	Acenaphthene	874	UG/KG	U	U	
REG	Acenaphthylene	874	UG/KG	U	U	
REG	Anthracene	874	UG/KG	U	U	
REG	Benzo(a)anthracene	874	UG/KG	U	U	
REG	Benzo(a)pyrene	874	UG/KG	U	U	
REG	Benzo(b)fluoranthene	874	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	874	UG/KG	U	U	
REG	Benzo(k)fluoranthene	874	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	874	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	874	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	874	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	874	UG/KG	U	U	
REG	Carbazole	874	UG/KG	U	U	
REG	Chrysene	874	UG/KG	U	U	
REG	Di-n-butyl Phthalate	2460	UG/KG		=	
REG	Di-n-octyl Phthalate	874	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	874	UG/KG	U	U	
REG	Dibenzofuran	874	UG/KG	U	U	
REG	Diethyl Phthalate	874	UG/KG	U	U	
REG	Dimethyl Phthalate	874	UG/KG	U	U	
REG	Fluoranthene	874	UG/KG	U	U	
REG	Fluorene	874	UG/KG	U	U	
REG	Hexachlorobenzene	874	UG/KG	U	U	
REG	Hexachlorobutadiene	874	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	874	UG/KG	U	U	
REG	Hexachloroethane	874	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	874	UG/KG	U	U	
REG	Isophorone	874	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	874	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	874	UG/KG	U	U	
REG	Naphthalene	874	UG/KG	U	U	
REG	Nitrobenzene	874	UG/KG	U	U	
REG	Pentachlorophenol	2180	UG/KG	U	U	
REG	Phenanthrene	874	UG/KG	U	U	
REG	Phenol	874	UG/KG	U	U	
REG	Pyrene	874	UG/KG	U	U	
TIC REG	566.0 OIL AND GREASE	566	UG/KG	J		
TIC REG	528.0 OIL AND GREASE	528	UG/KG	NJ		

127941

Field Sample Type: Equipment Rinsate

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	15.4	UG/L	B	J	
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	3.3	UG/L	U	U	
REG	Barium	0.29	UG/L	U	U	
REG	Beryllium	0.22	UG/L	U	U	
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	105	UG/L		=	
REG	Chromium	1.9	UG/L	B	J	
REG	Cobalt	0.5	UG/L	U	U	
REG	Copper	0.80	UG/L	B	R	F01,F10
REG	Iron	22.3	UG/L	B	J	
REG	Lead	0.73	UG/L	U	U	
REG	Magnesium	10	UG/L	U	U	
REG	Manganese	0.36	UG/L	B	J	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.1	UG/L	U	U	
REG	Potassium	32.4	UG/L	U	U	
REG	Selenium	2.3	UG/L	B	U	F01,F06

Location: SWMU 12A
Station : 12A-SS-09

127941

Field Sample Type: Equipment Rinsate

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Silver	0.63	UG/L	U	U	F01,F06
REG	Sodium	51.8	UG/L	B	U	
REG	Thallium	2.6	UG/L	U	U	
REG	Vanadium	0.6	UG/L	U	U	
REG	Zinc	1.8	UG/L	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.104	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.104	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.104	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.104	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.104	UG/L	U	U	
REG	2-Nitrotoluene	0.104	UG/L	U	U	
REG	3-Nitrotoluene	0.104	UG/L	U	U	
REG	4-Nitrotoluene	0.104	UG/L	U	U	
REG	HMX	0.104	UG/L	U	U	
REG	Nitrobenzene	0.104	UG/L	U	U	
REG	RDX	0.104	UG/L	U	U	
REG	Tetryl	0.104	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	11.5	UG/L	U	U	
REG	1,2-Dichlorobenzene	11.5	UG/L	U	U	
REG	1,3-Dichlorobenzene	11.5	UG/L	U	U	
REG	1,4-Dichlorobenzene	11.5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	11.5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	28.7	UG/L	U	U	
REG	2,4,6-Trichlorophenol	11.5	UG/L	U	U	
REG	2,4-Dichlorophenol	11.5	UG/L	U	U	
REG	2,4-Dimethylphenol	11.5	UG/L	U	U	
REG	2,4-Dinitrophenol	28.7	UG/L	U	U	
REG	2,4-Dinitrotoluene	11.5	UG/L	U	U	
REG	2,6-Dinitrotoluene	11.5	UG/L	U	U	
REG	2-Chloronaphthalene	11.5	UG/L	U	U	
REG	2-Chlorophenol	11.5	UG/L	U	U	
REG	2-Methylnaphthalene	11.5	UG/L	U	U	
REG	2-Methylphenol	11.5	UG/L	U	U	
REG	2-Nitroaniline	28.7	UG/L	U	U	
REG	2-Nitrophenol	11.5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	23	UG/L	U	U	
REG	3-Nitroaniline	28.7	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	28.7	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	11.5	UG/L	U	U	
REG	4-Chloroaniline	11.5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	11.5	UG/L	U	U	
REG	4-Methylphenol	11.5	UG/L	U	U	
REG	4-Nitroaniline	28.7	UG/L	U	U	
REG	4-Nitrophenol	28.7	UG/L	U	U	
REG	4-chloro-3-methylphenol	11.5	UG/L	U	U	
REG	Acenaphthene	11.5	UG/L	U	U	
REG	Acenaphthylene	11.5	UG/L	U	U	
REG	Anthracene	11.5	UG/L	U	U	
REG	Benzo(a)anthracene	11.5	UG/L	U	U	
REG	Benzo(a)pyrene	11.5	UG/L	U	U	
REG	Benzo(b)fluoranthene	11.5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	11.5	UG/L	U	U	
REG	Benzo(k)fluoranthene	11.5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	11.5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	11.5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	11.5	UG/L	U	U	
REG	Butyl Benzyl Phthalate	11.5	UG/L	U	U	
REG	Carbazole	11.5	UG/L	U	U	
REG	Chrysene	11.5	UG/L	U	U	
REG	Di-n-butyl Phthalate	11.5	UG/L	U	U	
REG	Di-n-octyl Phthalate	11.5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	11.5	UG/L	U	U	

Location: SWMU 12A
Station : 12A-SS-09

127941

Field Sample Type: Equipment Rinsate

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dibenzofuran	11.5	UG/L	U	U	
REG	Diethyl Phthalate	11.5	UG/L	U	U	
REG	Dimethyl Phthalate	11.5	UG/L	U	U	
REG	Fluoranthene	11.5	UG/L	U	U	
REG	Fluorene	11.5	UG/L	U	U	
REG	Hexachlorobenzene	11.5	UG/L	U	U	
REG	Hexachlorobutadiene	11.5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	11.5	UG/L	U	U	
REG	Hexachloroethane	11.5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	11.5	UG/L	U	U	
REG	Isophorone	11.5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	11.5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	11.5	UG/L	U	U	
REG	Naphthalene	11.5	UG/L	U	U	
REG	Nitrobenzene	11.5	UG/L	U	U	
REG	Pentachlorophenol	28.7	UG/L	U	U	
REG	Phenanthrene	11.5	UG/L	U	U	
REG	Phenol	11.5	UG/L	U	U	
REG	Pyrene	11.5	UG/L	U	U	

Location: SWMU 12A
Station : 12A-SS-10

127A11

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2900	MG/KG	=		
REG	Antimony	0.25	MG/KG	UN	UJ	I02
REG	Arsenic	0.44	MG/KG	B	J	
REG	Barium	15.2	MG/KG	B	J	
REG	Beryllium	0.08	MG/KG	B	J	
REG	Cadmium	0.84	MG/KG	B	J	
REG	Calcium	238	MG/KG	B	J	
REG	Chromium	3.7	MG/KG	=		
REG	Cobalt	0.34	MG/KG	B	J	
REG	Copper	2.6	MG/KG	B*	J	F10
REG	Iron	1430	MG/KG	J		P01
REG	Lead	4.9	MG/KG	*	=	
REG	Magnesium	107	MG/KG	BN	J	I02
REG	Manganese	60.1	MG/KG	=		
REG	Mercury	0.02	MG/KG	B	J	
REG	Nickel	2.4	MG/KG	B	J	
REG	Potassium	45	MG/KG	B	J	
REG	Selenium	0.17	MG/KG	U	U	
REG	Silver	0.08	MG/KG	U	U	
REG	Sodium	8.6	MG/KG	B	U	F01,F06
REG	Thallium	0.32	MG/KG	U	R	F10
REG	Vanadium	3.1	MG/KG	B	J	
REG	Zinc	8.1	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
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Location: SWMU 12A
Station: 12A-SS-10

127A11	0.0 - 1.0 FT	Field Sample Type: Grab	Matrix: Surface Soil	Collected: 01/28/98	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab Data	Validation Code
REG	1,2,4-Trichlorobenzene	800	UG/KG	U U	
REG	1,2-Dichlorobenzene	800	UG/KG	U U	
REG	1,3-Dichlorobenzene	800	UG/KG	U U	
REG	1,4-Dichlorobenzene	800	UG/KG	U U	
REG	2,2'-oxybis (1-chloropropane)	800	UG/KG	U U	
REG	2,4,5-Trichlorophenol	2000	UG/KG	U U	
REG	2,4,6-Trichlorophenol	800	UG/KG	U U	
REG	2,4-Dichlorophenol	800	UG/KG	U U	
REG	2,4-Dimethylphenol	800	UG/KG	U U	
REG	2,4-Dinitrophenol	2000	UG/KG	U U	
REG	2,4-Dinitrotoluene	800	UG/KG	U U	
REG	2,6-Dinitrotoluene	800	UG/KG	U U	
REG	2-Chloronaphthalene	800	UG/KG	U U	
REG	2-Chlorophenol	800	UG/KG	U U	
REG	2-Methylnaphthalene	800	UG/KG	U U	
REG	2-Methylphenol	800	UG/KG	U U	
REG	2-Nitroaniline	2000	UG/KG	U U	
REG	2-Nitrophenol	800	UG/KG	U U	
REG	3,3'-Dichlorobenzidine	1600	UG/KG	U U	
REG	3-Nitroaniline	2000	UG/KG	U U	
REG	4,6-Dinitro-o-Cresol	2000	UG/KG	U U	
REG	4-Bromophenyl-phenyl Ether	800	UG/KG	U U	
REG	4-Chloroaniline	800	UG/KG	U U	
REG	4-Chlorophenyl-phenylether	800	UG/KG	U U	
REG	4-Methylphenol	800	UG/KG	U U	
REG	4-Nitroaniline	2000	UG/KG	U U	
REG	4-Nitrophenol	2000	UG/KG	U U	
REG	4-chloro-3-methylphenol	800	UG/KG	U U	
REG	Acenaphthene	800	UG/KG	U U	
REG	Acenaphthylene	800	UG/KG	U U	
REG	Anthracene	800	UG/KG	U U	
REG	Benzo(a)anthracene	800	UG/KG	U U	
REG	Benzo(a)pyrene	800	UG/KG	U U	
REG	Benzo(b)fluoranthene	800	UG/KG	U U	
REG	Benzo(g,h,i)perylene	800	UG/KG	U U	
REG	Benzo(k)fluoranthene	800	UG/KG	U U	
REG	Bis(2-chloroethoxy)methane	800	UG/KG	U U	
REG	Bis(2-chloroethyl)ether	800	UG/KG	U U	
REG	Bis(2-ethylhexyl)phthalate	800	UG/KG	U U	
REG	Butyl Benzyl Phthalate	800	UG/KG	U U	
REG	Carbazole	800	UG/KG	U U	
REG	Chrysene	800	UG/KG	U U	
REG	Di-n-butyl Phthalate	800	UG/KG	U U	
REG	Di-n-octyl Phthalate	800	UG/KG	U U	
REG	Dibenzo(a,h)anthracene	800	UG/KG	U U	
REG	Dibenzofuran	800	UG/KG	U U	
REG	Diethyl Phthalate	800	UG/KG	U U	
REG	Dimethyl Phthalate	800	UG/KG	U U	
REG	Fluoranthene	800	UG/KG	U U	
REG	Fluorene	800	UG/KG	U U	
REG	Hexachlorobenzene	800	UG/KG	U U	
REG	Hexachlorobutadiene	800	UG/KG	U U	
REG	Hexachlorocyclopentadiene	800	UG/KG	U U	
REG	Hexachloroethane	800	UG/KG	U U	
REG	Indeno(1,2,3-cd)pyrene	800	UG/KG	U U	
REG	Isophorone	800	UG/KG	U U	
REG	N-Nitroso-di-n-propylamine	800	UG/KG	U U	
REG	N-Nitrosodiphenylamine	800	UG/KG	U U	
REG	Naphthalene	800	UG/KG	U U	
REG	Nitrobenzene	800	UG/KG	U U	
REG	Pentachlorophenol	2000	UG/KG	U U	
REG	Phenanthrene	800	UG/KG	U U	
REG	Phenol	800	UG/KG	U U	
REG	Pyrene	800	UG/KG	U U	
TIC REG	378.0 OIL AND GREASE	378	UG/KG	J	
TIC REG	610.0 OIL AND GREASE	610	UG/KG	J	
TIC REG	2420. OIL AND GREASE	2420	UG/KG	J	
TIC REG	4540. OIL AND GREASE	4540	UG/KG	J	
TIC REG	482.0 OIL AND GREASE	482	UG/KG	J	

Location: SWMU 12A
Station: 12A-SS-11

127B11

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	1950	MG/KG	=		
REG	Antimony	0.32	MG/KG	BN	J	I02
REG	Arsenic	0.37	MG/KG	U	U	
REG	Barium	12.7	MG/KG	B	J	
REG	Beryllium	0.06	MG/KG	B	J	
REG	Cadmium	0.16	MG/KG	B	J	
REG	Calcium	76.9	MG/KG	B	J	
REG	Chromium	1.4	MG/KG	B	J	
REG	Cobalt	0.23	MG/KG	B	J	
REG	Copper	5.5	MG/KG	B*	J	F10
REG	Iron	750	MG/KG		J	P01
REG	Lead	35.2	MG/KG	*	=	
REG	Magnesium	48.1	MG/KG	BN	J	I02
REG	Manganese	56.3	MG/KG		=	
REG	Mercury	0.03	MG/KG	B	J	
REG	Nickel	0.68	MG/KG	B	J	
REG	Potassium	34.9	MG/KG	B	J	
REG	Selenium	0.16	MG/KG	U	U	
REG	Silver	0.07	MG/KG	U	U	
REG	Sodium	2.1	MG/KG	B	U	F01,F06
REG	Thallium	0.3	MG/KG	U	R	F10
REG	Vanadium	1.6	MG/KG	B	J	
REG	Zinc	12.8	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	187	UG/KG		J	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	755	UG/KG	U	U	
REG	1,2-Dichlorobenzene	755	UG/KG	U	U	
REG	1,3-Dichlorobenzene	755	UG/KG	U	U	
REG	1,4-Dichlorobenzene	755	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	755	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1890	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	755	UG/KG	U	U	
REG	2,4-Dichlorophenol	755	UG/KG	U	U	
REG	2,4-Dimethylphenol	755	UG/KG	U	U	
REG	2,4-Dinitrophenol	1890	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1710	UG/KG		=	
REG	2,6-Dinitrotoluene	755	UG/KG	U	U	
REG	2-Chloronaphthalene	755	UG/KG	U	U	
REG	2-Chlorophenol	755	UG/KG	U	U	
REG	2-Methylnaphthalene	755	UG/KG	U	U	
REG	2-Methylphenol	755	UG/KG	U	U	
REG	2-Nitroaniline	1890	UG/KG	U	U	
REG	2-Nitrophenol	755	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1510	UG/KG	U	U	
REG	3-Nitroaniline	1890	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1890	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	755	UG/KG	U	U	
REG	4-Chloroaniline	755	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	755	UG/KG	U	U	
REG	4-Methylphenol	755	UG/KG	U	U	
REG	4-Nitroaniline	1890	UG/KG	U	U	
REG	4-Nitrophenol	1890	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SS-11

127B11 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 01/28/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-chloro-3-methylphenol	755	UG/KG	U	U	
REG	Acenaphthene	755	UG/KG	U	U	
REG	Acenaphthylene	755	UG/KG	U	U	
REG	Anthracene	755	UG/KG	U	U	
REG	Benzo(a)anthracene	755	UG/KG	U	U	
REG	Benzo(a)pyrene	755	UG/KG	U	U	
REG	Benzo(b)fluoranthene	755	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	755	UG/KG	U	U	
REG	Benzo(k)fluoranthene	755	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	755	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	755	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	433	UG/KG	J	J	
REG	Butyl Benzyl Phthalate	755	UG/KG	U	U	
REG	Carbazole	755	UG/KG	U	U	
REG	Chrysene	755	UG/KG	U	U	
REG	Di-n-butyl Phthalate	645	UG/KG	J	J	
REG	Di-n-octyl Phthalate	755	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	755	UG/KG	U	U	
REG	Dibenzofuran	755	UG/KG	U	U	
REG	Diethyl Phthalate	755	UG/KG	U	U	
REG	Dimethyl Phthalate	755	UG/KG	U	U	
REG	Fluoranthene	755	UG/KG	U	U	
REG	Fluorene	755	UG/KG	U	U	
REG	Hexachlorobenzene	755	UG/KG	U	U	
REG	Hexachlorobutadiene	755	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	755	UG/KG	U	U	
REG	Hexachloroethane	755	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	755	UG/KG	U	U	
REG	Isophorone	755	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	755	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	755	UG/KG	U	U	
REG	Naphthalene	755	UG/KG	U	U	
REG	Nitrobenzene	755	UG/KG	U	U	
REG	Pentachlorophenol	1890	UG/KG	U	U	
REG	Phenanthrene	755	UG/KG	U	U	
REG	Phenol	755	UG/KG	U	U	
REG	Pyrene	755	UG/KG	U	U	
TIC REG	480.0 OIL AND GREASE	480	UG/KG	J		
TIC REG	378.0 OIL AND GREASE	378	UG/KG	J		
TIC REG	459.0 OIL AND GREASE	459	UG/KG	J		
TIC REG	2120. OIL AND GREASE	2120	UG/KG	J		
TIC REG	1150. OIL AND GREASE	1150	UG/KG	J		
TIC REG	552.0 OIL AND GREASE	552	UG/KG	J		
TIC REG	845.0 OIL AND GREASE	845	UG/KG	J		

Location: SWMU 12A
Station : 12A-SS-12

127C11 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2520	MG/KG		=	
REG	Antimony	1.1	MG/KG	BN	J	I02
REG	Arsenic	0.36	MG/KG	U	U	
REG	Barium	14.2	MG/KG	B	J	
REG	Beryllium	0.06	MG/KG	B	J	
REG	Cadmium	0.18	MG/KG	B	J	
REG	Calcium	55.3	MG/KG	B	J	
REG	Chromium	1.9	MG/KG	B	J	
REG	Cobalt	0.25	MG/KG	B	J	
REG	Copper	50.6	MG/KG	*	J	F10
REG	Iron	906	MG/KG		J	P01
REG	Lead	71	MG/KG	*	=	
REG	Magnesium	73.4	MG/KG	BN	J	I02
REG	Manganese	62.6	MG/KG		=	
REG	Mercury	0.02	MG/KG	B	J	
REG	Nickel	0.98	MG/KG	B	J	
REG	Potassium	37.9	MG/KG	B	J	

Location: SWMU 12A
Station : 12A-SS-12

127C11

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Selenium	0.17	MG/KG	B	J	
REG	Silver	0.07	MG/KG	U	U	
REG	Sodium	2.2	MG/KG	B	U	F01,F06
REG	Thallium	0.29	MG/KG	U	R	F10
REG	Vanadium	2.1	MG/KG	B	J	
REG	Zinc	13.2	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	733	UG/KG	U	U	
REG	1,2-Dichlorobenzene	733	UG/KG	U	U	
REG	1,3-Dichlorobenzene	733	UG/KG	U	U	
REG	1,4-Dichlorobenzene	733	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	733	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1830	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	733	UG/KG	U	U	
REG	2,4-Dichlorophenol	733	UG/KG	U	U	
REG	2,4-Dimethylphenol	733	UG/KG	U	U	
REG	2,4-Dinitrophenol	1830	UG/KG	U	U	
REG	2,4-Dinitrotoluene	3750	UG/KG		=	
REG	2,6-Dinitrotoluene	733	UG/KG	U	U	
REG	2-Chloronaphthalene	733	UG/KG	U	U	
REG	2-Chlorophenol	733	UG/KG	U	U	
REG	2-Methylnaphthalene	733	UG/KG	U	U	
REG	2-Methylphenol	733	UG/KG	U	U	
REG	2-Nitroaniline	1830	UG/KG	U	U	
REG	2-Nitrophenol	733	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1460	UG/KG	U	U	
REG	3-Nitroaniline	1830	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1830	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	733	UG/KG	U	U	
REG	4-Chloroaniline	733	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	733	UG/KG	U	U	
REG	4-Methylphenol	733	UG/KG	U	U	
REG	4-Nitroaniline	1830	UG/KG	U	U	
REG	4-Nitrophenol	1830	UG/KG	U	U	
REG	4-chloro-3-methylphenol	733	UG/KG	U	U	
REG	Acenaphthene	733	UG/KG	U	U	
REG	Acenaphthylene	733	UG/KG	U	U	
REG	Anthracene	733	UG/KG	U	U	
REG	Benzo(a)anthracene	733	UG/KG	U	U	
REG	Benzo(a)pyrene	733	UG/KG	U	U	
REG	Benzo(b)fluoranthene	733	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	733	UG/KG	U	U	
REG	Benzo(k)fluoranthene	733	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	733	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	733	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	733	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	733	UG/KG	U	U	
REG	Carbazole	733	UG/KG	U	U	
REG	Chrysene	733	UG/KG	U	U	
REG	Di-n-butyl Phthalate	1840	UG/KG		=	
REG	Di-n-octyl Phthalate	733	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SS-12

127C11 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 01/28/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Dibenzo(a,h)anthracene	733	UG/KG	U	U	
REG	Dibenzofuran	733	UG/KG	U	U	
REG	Diethyl Phthalate	733	UG/KG	U	U	
REG	Dimethyl Phthalate	733	UG/KG	U	U	
REG	Fluoranthene	733	UG/KG	U	U	
REG	Fluorene	733	UG/KG	U	U	
REG	Hexachlorobenzene	733	UG/KG	U	U	
REG	Hexachlorobutadiene	733	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	733	UG/KG	U	U	
REG	Hexachloroethane	733	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	733	UG/KG	U	U	
REG	Isophorone	733	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	733	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	733	UG/KG	U	U	
REG	Naphthalene	733	UG/KG	U	U	
REG	Nitrobenzene	733	UG/KG	U	U	
REG	Pentachlorophenol	1830	UG/KG	U	U	
REG	Phenanthrene	733	UG/KG	U	U	
REG	Phenol	733	UG/KG	U	U	
REG	Pyrene	733	UG/KG	U	U	
TIC REG	496.0 OIL AND GREASE	496	UG/KG	J		
TIC REG	330.0 OIL AND GREASE	330	UG/KG	J		
TIC REG	375.0 OIL AND GREASE	375	UG/KG	J		

Location: SWMU 12A
Station : 12A-SS-13

127D11 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2280	MG/KG	=		
REG	Antimony	1	MG/KG	BN	J	102
REG	Arsenic	0.37	MG/KG	B	J	
REG	Barium	40.5	MG/KG	=		
REG	Beryllium	0.06	MG/KG	B	J	
REG	Cadmium	0.74	MG/KG	B	J	
REG	Calcium	151	MG/KG	B	J	
REG	Chromium	2.5	MG/KG	=		
REG	Cobalt	0.22	MG/KG	B	J	
REG	Copper	12.5	MG/KG	*	J	F10
REG	Iron	1100	MG/KG	J		P01
REG	Lead	60.9	MG/KG	*	=	
REG	Magnesium	76.4	MG/KG	BN	J	102
REG	Manganese	57.9	MG/KG	=		
REG	Mercury	0.02	MG/KG	U	U	
REG	Nickel	1.4	MG/KG	B	J	
REG	Potassium	42.4	MG/KG	B	J	
REG	Selenium	0.14	MG/KG	U	U	
REG	Silver	0.26	MG/KG	B	J	
REG	Sodium	4.9	MG/KG	B	U	F01,F06
REG	Thallium	0.26	MG/KG	U	R	F10
REG	Vanadium	1.9	MG/KG	B	J	
REG	Zinc	74.5	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01

Location: SWMU 12A
Station: 12A-SS-13

127D11

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	733	UG/KG	U	U	
REG	1,2-Dichlorobenzene	733	UG/KG	U	U	
REG	1,3-Dichlorobenzene	733	UG/KG	U	U	
REG	1,4-Dichlorobenzene	733	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	733	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1830	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	733	UG/KG	U	U	
REG	2,4-Dichlorophenol	733	UG/KG	U	U	
REG	2,4-Dimethylphenol	733	UG/KG	U	U	
REG	2,4-Dinitrophenol	1830	UG/KG	U	U	
REG	2,4-Dinitrotoluene	7250	UG/KG		=	
REG	2,6-Dinitrotoluene	733	UG/KG	U	U	
REG	2-Chloronaphthalene	733	UG/KG	U	U	
REG	2-Chlorophenol	733	UG/KG	U	U	
REG	2-Methylnaphthalene	733	UG/KG	U	U	
REG	2-Methylphenol	733	UG/KG	U	U	
REG	2-Nitroaniline	1830	UG/KG	U	U	
REG	2-Nitrophenol	733	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1460	UG/KG	U	U	
REG	3-Nitroaniline	1830	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1830	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	733	UG/KG	U	U	
REG	4-Chloroaniline	733	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	733	UG/KG	U	U	
REG	4-Methylphenol	733	UG/KG	U	U	
REG	4-Nitroaniline	1830	UG/KG	U	U	
REG	4-Nitrophenol	1830	UG/KG	U	U	
REG	4-chloro-3-methylphenol	733	UG/KG	U	U	
REG	Acenaphthene	733	UG/KG	U	U	
REG	Acenaphthylene	733	UG/KG	U	U	
REG	Anthracene	733	UG/KG	U	U	
REG	Benzo(a)anthracene	733	UG/KG	U	U	
REG	Benzo(a)pyrene	733	UG/KG	U	U	
REG	Benzo(b)fluoranthene	733	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	733	UG/KG	U	U	
REG	Benzo(k)fluoranthene	733	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	733	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	733	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	733	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	733	UG/KG	U	U	
REG	Carbazole	733	UG/KG	U	U	
REG	Chrysene	733	UG/KG	U	U	
REG	Di-n-butyl Phthalate	3690	UG/KG		=	
REG	Di-n-octyl Phthalate	733	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	733	UG/KG	U	U	
REG	Dibenzofuran	733	UG/KG	U	U	
REG	Diethyl Phthalate	733	UG/KG	U	U	
REG	Dimethyl Phthalate	733	UG/KG	U	U	
REG	Fluoranthene	733	UG/KG	U	U	
REG	Fluorene	733	UG/KG	U	U	
REG	Hexachlorobenzene	733	UG/KG	U	U	
REG	Hexachlorobutadiene	733	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	733	UG/KG	U	U	
REG	Hexachloroethane	733	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	733	UG/KG	U	U	
REG	Isophorone	733	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	733	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	821	UG/KG		=	
REG	Naphthalene	733	UG/KG	U	U	
REG	Nitrobenzene	733	UG/KG	U	U	
REG	Pentachlorophenol	1830	UG/KG	U	U	
REG	Phenanthrene	733	UG/KG	U	U	
REG	Phenol	733	UG/KG	U	U	
REG	Pyrene	733	UG/KG	U	U	
TIC REG	337.0 OIL AND GREASE	337	UG/KG	NJ		

Location: SWMU 12A
Station : 12A-SS-13

127D11 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 01/28/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
TIC REG	560.0 OIL AND GREASE	560	UG/KG	J		
TIC REG	354.0 OIL AND GREASE	354	UG/KG	J		

Location: SWMU 12A
Station : 12A-SS-14

127E11 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Surface Soil Collected: 01/28/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2640	MG/KG	=		
REG	Antimony	6.7	MG/KG	N	J	102
REG	Arsenic	0.52	MG/KG	B	J	
REG	Barium	57.4	MG/KG	=		
REG	Beryllium	0.07	MG/KG	B	J	
REG	Cadmium	2.2	MG/KG	=		
REG	Calcium	72.2	MG/KG	B	J	
REG	Chromium	4.1	MG/KG	=		
REG	Cobalt	0.4	MG/KG	B	J	
REG	Copper	43.5	MG/KG	*	J	F10
REG	Iron	2700	MG/KG	J		P01
REG	Lead	418	MG/KG	*	=	
REG	Magnesium	135	MG/KG	BN	J	102
REG	Manganese	63.9	MG/KG	=		
REG	Mercury	0.02	MG/KG	U	U	
REG	Nickel	2.7	MG/KG	B	J	
REG	Potassium	65.3	MG/KG	B	J	
REG	Selenium	0.15	MG/KG	U	U	
REG	Silver	0.61	MG/KG	B	J	
REG	Sodium	13.6	MG/KG	B	U	F01,F06
REG	Thallium	0.29	MG/KG	U	R	F10
REG	Vanadium	2.4	MG/KG	B	J	
REG	Zinc	142	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1120	UG/KG		J	
REG	2,4-Dinitrotoluene	1710	UG/KG		J	
REG	2,6-Dinitrotoluene	80	UG/KG	U	UJ	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	1500	UG/KG	U	U	
REG	1,2-Dichlorobenzene	1500	UG/KG	U	U	
REG	1,3-Dichlorobenzene	1500	UG/KG	U	U	
REG	1,4-Dichlorobenzene	1500	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	1500	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	3740	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	1500	UG/KG	U	U	
REG	2,4-Dichlorophenol	1500	UG/KG	U	U	
REG	2,4-Dimethylphenol	1500	UG/KG	U	U	
REG	2,4-Dinitrophenol	3740	UG/KG	U	U	
REG	2,4-Dinitrotoluene	4700	UG/KG	=		
REG	2,6-Dinitrotoluene	1500	UG/KG	U	U	
REG	2-Chloronaphthalene	1500	UG/KG	U	U	
REG	2-Chlorophenol	1500	UG/KG	U	U	
REG	2-Methylnaphthalene	1500	UG/KG	U	U	
REG	2-Methylphenol	1500	UG/KG	U	U	
REG	2-Nitroaniline	3740	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SS-14

127E11

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Surface Soil

Collected: 01/28/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Nitrophenol	1500	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	3000	UG/KG	U	U	
REG	3-Nitroaniline	3740	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	3740	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	1500	UG/KG	U	U	
REG	4-Chloroaniline	1500	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	1500	UG/KG	U	U	
REG	4-Methylphenol	1500	UG/KG	U	U	
REG	4-Nitroaniline	3740	UG/KG	U	U	
REG	4-Nitrophenol	3740	UG/KG	U	U	
REG	4-chloro-3-methylphenol	1500	UG/KG	U	U	
REG	Acenaphthene	1500	UG/KG	U	U	
REG	Acenaphthylene	1500	UG/KG	U	U	
REG	Anthracene	1500	UG/KG	U	U	
REG	Benzo(a)anthracene	1500	UG/KG	U	U	
REG	Benzo(a)pyrene	1500	UG/KG	U	U	
REG	Benzo(b)fluoranthene	1500	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	1500	UG/KG	U	U	
REG	Benzo(k)fluoranthene	1500	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	1500	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	1500	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	1500	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	1500	UG/KG	U	U	
REG	Carbazole	1500	UG/KG	U	U	
REG	Chrysene	1500	UG/KG	U	U	
REG	Di-n-butyl Phthalate	9800	UG/KG		=	
REG	Di-n-octyl Phthalate	1500	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	1500	UG/KG	U	U	
REG	Dibenzofuran	1500	UG/KG	U	U	
REG	Diethyl Phthalate	1500	UG/KG	U	U	
REG	Dimethyl Phthalate	1500	UG/KG	U	U	
REG	Fluoranthene	1500	UG/KG	U	U	
REG	Fluorene	1500	UG/KG	U	U	
REG	Hexachlorobenzene	1500	UG/KG	U	U	
REG	Hexachlorobutadiene	1500	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	1500	UG/KG	U	U	
REG	Hexachloroethane	1500	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	1500	UG/KG	U	U	
REG	Isophorone	1500	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	1500	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	2300	UG/KG		=	
REG	Naphthalene	1500	UG/KG	U	U	
REG	Nitrobenzene	1500	UG/KG	U	U	
REG	Pentachlorophenol	3740	UG/KG	U	U	
REG	Phenanthrene	1500	UG/KG	U	U	
REG	Phenol	1500	UG/KG	U	U	
REG	Pyrene	1500	UG/KG	U	U	
TIC REG	713.0 OIL AND GREASE	713	UG/KG	J		
TIC REG	2060. OIL AND GREASE	2060	UG/KG	NJ		

Location: SWMU 12A
Station : 12A-SWS-1

122111

Field Sample Type: Grab

Matrix: Sediment

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	6490	MG/KG		=	
REG	Antimony	0.32	MG/KG	UN	UJ	I02
REG	Arsenic	0.94	MG/KG	B	J	
REG	Barium	19.1	MG/KG	B	J	
REG	Beryllium	0.13	MG/KG	B	J	
REG	Cadmium	0.17	MG/KG	B	J	
REG	Calcium	183	MG/KG	B	J	
REG	Chromium	5.3	MG/KG		=	
REG	Cobalt	0.37	MG/KG	B	J	
REG	Copper	3.6	MG/KG	B*	J	F10
REG	Iron	3180	MG/KG		J	P01
REG	Lead	10	MG/KG	*	=	

Location: SWMU 12A
Station : 12A-SWS-1

122111

Field Sample Type: Grab Matrix: Sediment

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Magnesium	173	MG/KG	BN	J	I02
REG	Manganese	8.6	MG/KG		=	
REG	Mercury	0.05	MG/KG	B	J	
REG	Nickel	1.8	MG/KG	B	J	
REG	Potassium	119	MG/KG	B	J	
REG	Selenium	0.41	MG/KG	B	J	
REG	Silver	0.1	MG/KG	U	U	
REG	Sodium	16.7	MG/KG	B	U	F01,F06
REG	Thallium	0.4	MG/KG	U	R	F10
REG	Vanadium	10	MG/KG	B	J	
REG	Zinc	5.6	MG/KG	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	1020	UG/KG	U	U	
REG	1,2-Dichlorobenzene	1020	UG/KG	U	U	
REG	1,3-Dichlorobenzene	1020	UG/KG	U	U	
REG	1,4-Dichlorobenzene	1020	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	1020	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	2560	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	1020	UG/KG	U	U	
REG	2,4-Dichlorophenol	1020	UG/KG	U	U	
REG	2,4-Dimethylphenol	1020	UG/KG	U	U	
REG	2,4-Dinitrophenol	2560	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1020	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1020	UG/KG	U	U	
REG	2-Chloronaphthalene	1020	UG/KG	U	U	
REG	2-Chlorophenol	1020	UG/KG	U	U	
REG	2-Methylnaphthalene	1020	UG/KG	U	U	
REG	2-Methylphenol	1020	UG/KG	U	U	
REG	2-Nitroaniline	2560	UG/KG	U	U	
REG	2-Nitrophenol	1020	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	2050	UG/KG	U	U	
REG	3-Nitroaniline	2560	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	2560	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	1020	UG/KG	U	U	
REG	4-Chloroaniline	1020	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	1020	UG/KG	U	U	
REG	4-Methylphenol	1020	UG/KG	U	U	
REG	4-Nitroaniline	2560	UG/KG	U	U	
REG	4-Nitrophenol	2560	UG/KG	U	U	
REG	4-chloro-3-methylphenol	1020	UG/KG	U	U	
REG	Acenaphthene	1020	UG/KG	U	U	
REG	Acenaphthylene	1020	UG/KG	U	U	
REG	Anthracene	1020	UG/KG	U	U	
REG	Benzo(a)anthracene	1020	UG/KG	U	U	
REG	Benzo(a)pyrene	1020	UG/KG	U	U	
REG	Benzo(b)fluoranthene	1020	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	1020	UG/KG	U	U	
REG	Benzo(k)fluoranthene	1020	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	1020	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	1020	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	1020	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SWS-1

122111

Field Sample Type: Grab Matrix: Sediment

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Butyl Benzyl Phthalate	1020	UG/KG	U	U	
REG	Carbazole	1020	UG/KG	U	U	
REG	Chrysene	1020	UG/KG	U	U	
REG	Di-n-butyl Phthalate	1020	UG/KG	U	U	
REG	Di-n-octyl Phthalate	1020	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	1020	UG/KG	U	U	
REG	Dibenzofuran	1020	UG/KG	U	U	
REG	Diethyl Phthalate	1020	UG/KG	U	U	
REG	Dimethyl Phthalate	1020	UG/KG	U	U	
REG	Fluoranthene	1020	UG/KG	U	U	
REG	Fluorene	1020	UG/KG	U	U	
REG	Hexachlorobenzene	1020	UG/KG	U	U	
REG	Hexachlorobutadiene	1020	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	1020	UG/KG	U	U	
REG	Hexachloroethane	1020	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	1020	UG/KG	U	U	
REG	Isophorone	1020	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	1020	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	1020	UG/KG	U	U	
REG	Naphthalene	1020	UG/KG	U	U	
REG	Nitrobenzene	1020	UG/KG	U	U	
REG	Pentachlorophenol	2560	UG/KG	U	U	
REG	Phenanthrene	1020	UG/KG	U	U	
REG	Phenol	1020	UG/KG	U	U	
REG	Pyrene	1020	UG/KG	U	U	
TIC REG	1040. OIL AND GREASE	1040	UG/KG	J		
TIC REG	899.0 OIL AND GREASE	899	UG/KG	J		
TIC REG	915.0 OIL AND GREASE	915	UG/KG	NJ		
TIC REG	785.0 OIL AND GREASE	785	UG/KG	J		
TIC REG	640.0 OIL AND GREASE	640	UG/KG	J		
TIC REG	967.0 OIL AND GREASE	967	UG/KG	J		
TIC REG	948.0 OIL AND GREASE	948	UG/KG	J		
TIC REG	495.0 OIL AND GREASE	495	UG/KG	J		
TIC REG	572.0 OIL AND GREASE	572	UG/KG	J		
TIC REG	1060. OIL AND GREASE	1060	UG/KG	J		
TIC REG	1700. OIL AND GREASE	1700	UG/KG	J		
TIC REG	453.0 OIL AND GREASE	453	UG/KG	J		

123111

Field Sample Type: Grab Matrix: Surface Water

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	844	UG/L		=	
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	3.3	UG/L	U	U	
REG	Barium	13.9	UG/L	B	J	
REG	Beryllium	0.22	UG/L	U	U	
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	2500	UG/L		=	
REG	Chromium	0.7	UG/L	B	J	
REG	Cobalt	0.5	UG/L	U	U	
REG	Copper	0.8	UG/L	U	R	F01,F10
REG	Iron	832	UG/L		=	
REG	Lead	1.3	UG/L	B	J	
REG	Magnesium	749	UG/L		=	
REG	Manganese	25.5	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.1	UG/L	U	U	
REG	Potassium	458	UG/L		=	
REG	Selenium	1.8	UG/L	B	U	F01,F06
REG	Silver	0.63	UG/L	U	U	
REG	Sodium	3220	UG/L		=	
REG	Thallium	2.6	UG/L	U	U	
REG	Vanadium	2.1	UG/L	B	J	
REG	Zinc	8.1	UG/L		=	
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.104	UG/L	U	U	

Location: SWMU 12A
Station : 12A-SWS-1

123111

Field Sample Type: Grab

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3-Dinitrobenzene	0.104	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.104	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.104	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.104	UG/L	U	U	
REG	2-Nitrotoluene	0.104	UG/L	U	U	
REG	3-Nitrotoluene	0.104	UG/L	U	U	
REG	4-Nitrotoluene	0.104	UG/L	U	U	
REG	HMX	0.104	UG/L	U	U	
REG	Nitrobenzene	0.104	UG/L	U	U	
REG	RDX	0.104	UG/L	U	U	
REG	Tetryl	0.104	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.1	UG/L	U	UJ	A01
REG	1,2-Dichlorobenzene	10.1	UG/L	U	UJ	A01
REG	1,3-Dichlorobenzene	10.1	UG/L	U	UJ	A01
REG	1,4-Dichlorobenzene	10.1	UG/L	U	UJ	A01
REG	2,2'-oxybis (1-chloropropane)	10.1	UG/L	U	UJ	A01
REG	2,4,5-Trichlorophenol	25.2	UG/L	U	UJ	A01
REG	2,4,6-Trichlorophenol	10.1	UG/L	U	UJ	A01
REG	2,4-Dichlorophenol	10.1	UG/L	U	UJ	A01
REG	2,4-Dimethylphenol	10.1	UG/L	U	UJ	A01
REG	2,4-Dinitrophenol	25.2	UG/L	U	UJ	A01
REG	2,4-Dinitrotoluene	10.1	UG/L	U	UJ	A01
REG	2,6-Dinitrotoluene	10.1	UG/L	U	UJ	A01
REG	2-Chloronaphthalene	10.1	UG/L	U	UJ	A01
REG	2-Chlorophenol	10.1	UG/L	U	UJ	A01
REG	2-Methylnaphthalene	10.1	UG/L	U	UJ	A01
REG	2-Methylphenol	10.1	UG/L	U	UJ	A01
REG	2-Nitroaniline	25.2	UG/L	U	UJ	A01
REG	2-Nitrophenol	10.1	UG/L	U	UJ	A01
REG	3,3'-Dichlorobenzidine	20.2	UG/L	U	UJ	A01
REG	3-Nitroaniline	25.2	UG/L	U	UJ	A01
REG	4,6-Dinitro-o-Cresol	25.2	UG/L	U	UJ	A01
REG	4-Bromophenyl-phenyl Ether	10.1	UG/L	U	UJ	A01
REG	4-Chloroaniline	10.1	UG/L	U	UJ	A01
REG	4-Chlorophenyl-phenylether	10.1	UG/L	U	UJ	A01
REG	4-Methylphenol	10.1	UG/L	U	UJ	A01
REG	4-Nitroaniline	25.2	UG/L	U	UJ	A01
REG	4-Nitrophenol	25.2	UG/L	U	UJ	A01
REG	4-chloro-3-methylphenol	10.1	UG/L	U	UJ	A01
REG	Acenaphthene	10.1	UG/L	U	UJ	A01
REG	Acenaphthylene	10.1	UG/L	U	UJ	A01
REG	Anthracene	10.1	UG/L	U	UJ	A01
REG	Benzo(a)anthracene	10.1	UG/L	U	UJ	A01
REG	Benzo(a)pyrene	10.1	UG/L	U	UJ	A01
REG	Benzo(b)fluoranthene	10.1	UG/L	U	UJ	A01
REG	Benzo(g,h,i)perylene	10.1	UG/L	U	UJ	A01
REG	Benzo(k)fluoranthene	10.1	UG/L	U	UJ	A01
REG	Bis(2-chloroethoxy)methane	10.1	UG/L	U	UJ	A01
REG	Bis(2-chloroethyl)ether	10.1	UG/L	U	UJ	A01
REG	Bis(2-ethylhexyl)phthalate	10.1	UG/L	U	UJ	A01
REG	Butyl Benzyl Phthalate	10.1	UG/L	U	UJ	A01
REG	Carbazole	10.1	UG/L	U	UJ	A01
REG	Chrysene	10.1	UG/L	U	UJ	A01
REG	Di-n-butyl Phthalate	10.1	UG/L	U	UJ	A01
REG	Di-n-octyl Phthalate	10.1	UG/L	U	UJ	A01
REG	Dibenzo(a,h)anthracene	10.1	UG/L	U	UJ	A01
REG	Dibenzofuran	10.1	UG/L	U	UJ	A01
REG	Diethyl Phthalate	10.1	UG/L	U	UJ	A01
REG	Dimethyl Phthalate	10.1	UG/L	U	UJ	A01
REG	Fluoranthene	10.1	UG/L	U	UJ	A01
REG	Fluorene	10.1	UG/L	U	UJ	A01
REG	Hexachlorobenzene	10.1	UG/L	U	UJ	A01
REG	Hexachlorobutadiene	10.1	UG/L	U	UJ	A01
REG	Hexachlorocyclopentadiene	10.1	UG/L	U	UJ	A01
REG	Hexachloroethane	10.1	UG/L	U	UJ	A01
REG	Indeno(1,2,3-cd)pyrene	10.1	UG/L	U	UJ	A01

Location: SWMU 12A
Station : 12A-SWS-1

123111

Field Sample Type: Grab

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Isophorone	10.1	UG/L	U	UJ	A01
REG	N-Nitroso-di-n-propylamine	10.1	UG/L	U	UJ	A01
REG	N-Nitrosodiphenylamine	10.1	UG/L	U	UJ	A01
REG	Naphthalene	10.1	UG/L	U	UJ	A01
REG	Nitrobenzene	10.1	UG/L	U	UJ	A01
REG	Pentachlorophenol	25.2	UG/L	U	UJ	A01
REG	Phenanthrene	10.1	UG/L	U	UJ	A01
REG	Phenol	10.1	UG/L	U	UJ	A01
REG	Pyrene	10.1	UG/L	U	UJ	A01

Location: SWMU 12A
Station : 12A-SWS-2

122211

Field Sample Type: Grab

Matrix: Sediment

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	4140	MG/KG		=	
REG	Antimony	0.39	MG/KG	UN	UJ	I02
REG	Arsenic	0.6	MG/KG	U	U	
REG	Barium	10.6	MG/KG	B	J	
REG	Beryllium	0.06	MG/KG	B	J	
REG	Cadmium	0.12	MG/KG	B	J	
REG	Calcium	132	MG/KG	B	J	
REG	Chromium	3.7	MG/KG	B	J	
REG	Cobalt	0.16	MG/KG	B	J	
REG	Copper	5.4	MG/KG	B*	J	F10
REG	Iron	2660	MG/KG		J	P01
REG	Lead	14.1	MG/KG	*	=	
REG	Magnesium	132	MG/KG	BN	J	I02
REG	Manganese	6.7	MG/KG		=	
REG	Mercury	0.06	MG/KG	B	J	
REG	Nickel	1	MG/KG	B	J	
REG	Potassium	127	MG/KG	B	J	
REG	Selenium	0.3	MG/KG	B	J	
REG	Silver	0.69	MG/KG	B	J	
REG	Sodium	11.6	MG/KG	B	U	F01,F06
REG	Thallium	0.48	MG/KG	U	R	F10
REG	Vanadium	7.8	MG/KG	B	J	
REG	Zinc	5.9	MG/KG	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	627	UG/KG	U	U	
REG	1,2-Dichlorobenzene	627	UG/KG	U	U	
REG	1,3-Dichlorobenzene	627	UG/KG	U	U	
REG	1,4-Dichlorobenzene	627	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	627	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1570	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	627	UG/KG	U	U	
REG	2,4-Dichlorophenol	627	UG/KG	U	U	
REG	2,4-Dimethylphenol	627	UG/KG	U	U	
REG	2,4-Dinitrophenol	1570	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SWS-2

122211

Field Sample Type: Grab Matrix: Sediment

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,4-Dinitrotoluene	627	UG/KG	U	U	
REG	2,6-Dinitrotoluene	627	UG/KG	U	U	
REG	2-Chloronaphthalene	627	UG/KG	U	U	
REG	2-Chlorophenol	627	UG/KG	U	U	
REG	2-Methylnaphthalene	627	UG/KG	U	U	
REG	2-Methylphenol	627	UG/KG	U	U	
REG	2-Nitroaniline	1570	UG/KG	U	U	
REG	2-Nitrophenol	627	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1250	UG/KG	U	U	
REG	3-Nitroaniline	1570	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1570	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	627	UG/KG	U	U	
REG	4-Chloroaniline	627	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	627	UG/KG	U	U	
REG	4-Methylphenol	627	UG/KG	U	U	
REG	4-Nitroaniline	1570	UG/KG	U	U	
REG	4-Nitrophenol	1570	UG/KG	U	U	
REG	4-chloro-3-methylphenol	627	UG/KG	U	U	
REG	Acenaphthene	627	UG/KG	U	U	
REG	Acenaphthylene	627	UG/KG	U	U	
REG	Anthracene	627	UG/KG	U	U	
REG	Benzo(a)anthracene	627	UG/KG	U	U	
REG	Benzo(a)pyrene	627	UG/KG	U	U	
REG	Benzo(b)fluoranthene	627	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	627	UG/KG	U	U	
REG	Benzo(k)fluoranthene	627	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	627	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	627	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	627	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	627	UG/KG	U	U	
REG	Carbazole	627	UG/KG	U	U	
REG	Chrysene	627	UG/KG	U	U	
REG	Di-n-butyl Phthalate	627	UG/KG	U	U	
REG	Di-n-octyl Phthalate	627	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	627	UG/KG	U	U	
REG	Dibenzofuran	627	UG/KG	U	U	
REG	Diethyl Phthalate	627	UG/KG	U	U	
REG	Dimethyl Phthalate	627	UG/KG	U	U	
REG	Fluoranthene	627	UG/KG	U	U	
REG	Fluorene	627	UG/KG	U	U	
REG	Hexachlorobenzene	627	UG/KG	U	U	
REG	Hexachlorobutadiene	627	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	627	UG/KG	U	U	
REG	Hexachloroethane	627	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	627	UG/KG	U	U	
REG	Isophorone	627	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	627	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	627	UG/KG	U	U	
REG	Naphthalene	627	UG/KG	U	U	
REG	Nitrobenzene	627	UG/KG	U	U	
REG	Pentachlorophenol	1570	UG/KG	U	U	
REG	Phenanthrene	627	UG/KG	U	U	
REG	Phenol	627	UG/KG	U	U	
REG	Pyrene	627	UG/KG	U	U	
TIC REG	374.0 OIL AND GREASE	374	UG/KG	NJ		
TIC REG	652.0 OIL AND GREASE	652	UG/KG	J		
TIC REG	419.0 OIL AND GREASE	419	UG/KG	NJ		
TIC REG	396.0 OIL AND GREASE	396	UG/KG	NJ		
TIC REG	251.0 OIL AND GREASE	251	UG/KG	J		
TIC REG	535.0 OIL AND GREASE	535	UG/KG	J		
TIC REG	296.0 OIL AND GREASE	296	UG/KG	J		
TIC REG	4890. OIL AND GREASE	4890	UG/KG	J		
TIC REG	589.0 OIL AND GREASE	589	UG/KG	J		
TIC REG	729.0 OIL AND GREASE	729	UG/KG	NJ		
TIC REG	877.0 OIL AND GREASE	877	UG/KG	NJ		
TIC REG	411.0 OIL AND GREASE	411	UG/KG	J		
TIC REG	1390. OIL AND GREASE	1390	UG/KG	J		
TIC REG	1200. OIL AND GREASE	1200	UG/KG	J		
TIC REG	769.0 OIL AND GREASE	769	UG/KG	J		

Location: SWMU 12A
Station : 12A-SWS-2

122211

Field Sample Type: Grab

Matrix: Sediment

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
TIC REG	526.0 OIL AND GREASE	526	UG/KG	J		
TIC REG	325.0 OIL AND GREASE	325	UG/KG	J		
TIC REG	446.0 OIL AND GREASE	446	UG/KG	J		
TIC REG	1220. OIL AND GREASE	1220	UG/KG	NJ		
TIC REG	2230. OIL AND GREASE	2230	UG/KG	NJ		
TIC REG	714.0 OIL AND GREASE	714	UG/KG	J		
TIC REG	642.0 OIL AND GREASE	642	UG/KG	J		

123211

Field Sample Type: Grab

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	838	UG/L		=	
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	3.3	UG/L	U	U	
REG	Barium	14	UG/L	B	J	
REG	Beryllium	0.22	UG/L	U	U	
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	2380	UG/L		=	
REG	Chromium	0.84	UG/L	B	J	
REG	Cobalt	0.5	UG/L	U	U	
REG	Copper	0.8	UG/L	U	R	F01,F10
REG	Iron	826	UG/L		=	
REG	Lead	1.1	UG/L	B	J	
REG	Magnesium	742	UG/L		=	
REG	Manganese	25.6	UG/L		=	
REG	Mercury	0.27	UG/L		=	
REG	Nickel	1.1	UG/L	U	U	
REG	Potassium	449	UG/L		=	
REG	Selenium	1.7	UG/L	B	U	F01,F06
REG	Silver	0.63	UG/L	U	U	
REG	Sodium	3170	UG/L		=	
REG	Thallium	2.6	UG/L	U	U	
REG	Vanadium	2.1	UG/L	B	J	
REG	Zinc	8.2	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.104	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.104	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.104	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.104	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.104	UG/L	U	U	
REG	2-Nitrotoluene	0.104	UG/L	U	U	
REG	3-Nitrotoluene	0.104	UG/L	U	U	
REG	4-Nitrotoluene	0.104	UG/L	U	U	
REG	HMX	0.104	UG/L	U	U	
REG	Nitrobenzene	0.104	UG/L	U	U	
REG	RDX	0.104	UG/L	U	U	
REG	Tetryl	0.104	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.2	UG/L	U	UJ	A01
REG	1,2-Dichlorobenzene	10.2	UG/L	U	UJ	A01
REG	1,3-Dichlorobenzene	10.2	UG/L	U	UJ	A01
REG	1,4-Dichlorobenzene	10.2	UG/L	U	UJ	A01
REG	2,2'-oxybis (1-chloropropane)	10.2	UG/L	U	UJ	A01
REG	2,4,5-Trichlorophenol	25.5	UG/L	U	UJ	A01
REG	2,4,6-Trichlorophenol	10.2	UG/L	U	UJ	A01
REG	2,4-Dichlorophenol	10.2	UG/L	U	UJ	A01
REG	2,4-Dimethylphenol	10.2	UG/L	U	UJ	A01
REG	2,4-Dinitrophenol	25.5	UG/L	U	UJ	A01
REG	2,4-Dinitrotoluene	10.2	UG/L	U	UJ	A01
REG	2,6-Dinitrotoluene	10.2	UG/L	U	UJ	A01
REG	2-Chloronaphthalene	10.2	UG/L	U	UJ	A01
REG	2-Chlorophenol	10.2	UG/L	U	UJ	A01
REG	2-Methylnaphthalene	10.2	UG/L	U	UJ	A01

Location: SWMU 12A
Station: 12A-SWS-2

123211

Field Sample Type: Grab Matrix: Surface Water

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Methylphenol	10.2	UG/L	U	UJ	A01
REG	2-Nitroaniline	25.5	UG/L	U	UJ	A01
REG	2-Nitrophenol	10.2	UG/L	U	UJ	A01
REG	3,3'-Dichlorobenzidine	20.4	UG/L	U	UJ	A01
REG	3-Nitroaniline	25.5	UG/L	U	UJ	A01
REG	4,6-Dinitro-o-Cresol	25.5	UG/L	U	UJ	A01
REG	4-Bromophenyl-phenyl Ether	10.2	UG/L	U	UJ	A01
REG	4-Chloroaniline	10.2	UG/L	U	UJ	A01
REG	4-Chlorophenyl-phenylether	10.2	UG/L	U	UJ	A01
REG	4-Methylphenol	10.2	UG/L	U	UJ	A01
REG	4-Nitroaniline	25.5	UG/L	U	UJ	A01
REG	4-Nitrophenol	25.5	UG/L	U	UJ	A01
REG	4-chloro-3-methylphenol	10.2	UG/L	U	UJ	A01
REG	Acenaphthene	10.2	UG/L	U	UJ	A01
REG	Acenaphthylene	10.2	UG/L	U	UJ	A01
REG	Anthracene	10.2	UG/L	U	UJ	A01
REG	Benzo(a)anthracene	10.2	UG/L	U	UJ	A01
REG	Benzo(a)pyrene	10.2	UG/L	U	UJ	A01
REG	Benzo(b)fluoranthene	10.2	UG/L	U	UJ	A01
REG	Benzo(g,h,i)perylene	10.2	UG/L	U	UJ	A01
REG	Benzo(k)fluoranthene	10.2	UG/L	U	UJ	A01
REG	Bis(2-chloroethoxy)methane	10.2	UG/L	U	UJ	A01
REG	Bis(2-chloroethyl)ether	10.2	UG/L	U	UJ	A01
REG	Bis(2-ethylhexyl)phthalate	10.2	UG/L	U	UJ	A01
REG	Butyl Benzyl Phthalate	10.2	UG/L	U	UJ	A01
REG	Carbazole	10.2	UG/L	U	UJ	A01
REG	Chrysene	10.2	UG/L	U	UJ	A01
REG	Di-n-butyl Phthalate	10.2	UG/L	U	UJ	A01
REG	Di-n-octyl Phthalate	10.2	UG/L	U	UJ	A01
REG	Dibenzo(a,h)anthracene	10.2	UG/L	U	UJ	A01
REG	Dibenzofuran	10.2	UG/L	U	UJ	A01
REG	Diethyl Phthalate	10.2	UG/L	U	UJ	A01
REG	Dimethyl Phthalate	10.2	UG/L	U	UJ	A01
REG	Fluoranthene	10.2	UG/L	U	UJ	A01
REG	Fluorene	10.2	UG/L	U	UJ	A01
REG	Hexachlorobenzene	10.2	UG/L	U	UJ	A01
REG	Hexachlorobutadiene	10.2	UG/L	U	UJ	A01
REG	Hexachlorocyclopentadiene	10.2	UG/L	U	UJ	A01
REG	Hexachloroethane	10.2	UG/L	U	UJ	A01
REG	Indeno(1,2,3-cd)pyrene	10.2	UG/L	U	UJ	A01
REG	Isophorone	10.2	UG/L	U	UJ	A01
REG	N-Nitroso-di-n-propylamine	10.2	UG/L	U	UJ	A01
REG	N-Nitrosodiphenylamine	10.2	UG/L	U	UJ	A01
REG	Naphthalene	10.2	UG/L	U	UJ	A01
REG	Nitrobenzene	10.2	UG/L	U	UJ	A01
REG	Pentachlorophenol	25.5	UG/L	U	UJ	A01
REG	Phenanthrene	10.2	UG/L	U	UJ	A01
REG	Phenol	10.2	UG/L	U	UJ	A01
REG	Pyrene	10.2	UG/L	U	UJ	A01

123221

Field Sample Type: Field Duplicate Matrix: Surface Water

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	822	UG/L		=	
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	3.3	UG/L	U	U	
REG	Barium	13.5	UG/L	B	J	
REG	Beryllium	0.22	UG/L	U	U	
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	2340	UG/L		=	
REG	Chromium	0.78	UG/L	B	J	
REG	Cobalt	0.5	UG/L	U	U	
REG	Copper	0.8	UG/L	U	R	F01,F10
REG	Iron	815	UG/L		=	
REG	Lead	0.9	UG/L	B	J	
REG	Magnesium	734	UG/L		=	
REG	Manganese	25.3	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	

Location: SWMU 12A
Station : 12A-SWS-2

123221

Field Sample Type: Field Duplicate

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nickel	1.1	UG/L	U	U	
REG	Potassium	.440	UG/L		=	
REG	Selenium	1.4	UG/L	U	U	
REG	Silver	0.63	UG/L	U	U	
REG	Sodium	3120	UG/L		=	
REG	Thallium	2.6	UG/L	U	U	
REG	Vanadium	1.9	UG/L	B	J	
REG	Zinc	7.5	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.104	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.104	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.104	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.104	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.104	UG/L	U	U	
REG	2-Nitrotoluene	0.104	UG/L	U	U	
REG	3-Nitrotoluene	0.104	UG/L	U	U	
REG	4-Nitrotoluene	0.104	UG/L	U	U	
REG	HMX	0.104	UG/L	U	U	
REG	Nitrobenzene	0.104	UG/L	U	U	
REG	RDX	0.104	UG/L	U	U	
REG	Tetryl	0.104	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.2	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.2	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.2	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.2	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.2	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25.5	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.2	UG/L	U	U	
REG	2,4-Dichlorophenol	10.2	UG/L	U	U	
REG	2,4-Dimethylphenol	10.2	UG/L	U	U	
REG	2,4-Dinitrophenol	25.5	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.2	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.2	UG/L	U	U	
REG	2-Chloronaphthalene	10.2	UG/L	U	U	
REG	2-Chlorophenol	10.2	UG/L	U	U	
REG	2-Methylnaphthalene	10.2	UG/L	U	UJ	C05
REG	2-Methylphenol	10.2	UG/L	U	U	
REG	2-Nitroaniline	25.5	UG/L	U	U	
REG	2-Nitrophenol	10.2	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20.4	UG/L	U	U	
REG	3-Nitroaniline	25.5	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25.5	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.2	UG/L	U	U	
REG	4-Chloroaniline	10.2	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.2	UG/L	U	U	
REG	4-Methylphenol	10.2	UG/L	U	U	
REG	4-Nitroaniline	25.5	UG/L	U	UJ	C05
REG	4-Nitrophenol	25.5	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.2	UG/L	U	U	
REG	Acenaphthene	10.2	UG/L	U	U	
REG	Acenaphthylene	10.2	UG/L	U	U	
REG	Anthracene	10.2	UG/L	U	U	
REG	Benzo(a)anthracene	10.2	UG/L	U	U	
REG	Benzo(a)pyrene	10.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.2	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.2	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.2	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.2	UG/L	U	U	
REG	Carbazole	10.2	UG/L	U	U	
REG	Chrysene	10.2	UG/L	U	U	

Location: SWMU 12A
Station : 12A-SWS-2

123221

Field Sample Type: Field Duplicate

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Di-n-butyl Phthalate	10.2	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.2	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.2	UG/L	U	U	
REG	Dibenzofuran	10.2	UG/L	U	U	
REG	Diethyl Phthalate	10.2	UG/L	U	U	
REG	Dimethyl Phthalate	10.2	UG/L	U	U	
REG	Fluoranthene	10.2	UG/L	U	U	
REG	Fluorene	10.2	UG/L	U	U	
REG	Hexachlorobenzene	10.2	UG/L	U	U	
REG	Hexachlorobutadiene	10.2	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.2	UG/L	U	U	
REG	Hexachloroethane	10.2	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.2	UG/L	U	U	
REG	Isophorone	10.2	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.2	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.2	UG/L	U	U	
REG	Naphthalene	10.2	UG/L	U	U	
REG	Nitrobenzene	10.2	UG/L	U	U	
REG	Pentachlorophenol	25.5	UG/L	U	U	
REG	Phenanthrene	10.2	UG/L	U	U	
REG	Phenol	10.2	UG/L	U	U	
REG	Pyrene	10.2	UG/L	U	U	

Location: SWMU 12A
Station : 12A-SWS-3

122311

Field Sample Type: Grab

Matrix: Sediment

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	5790	MG/KG		=	
REG	Antimony	0.62	MG/KG	BN	J	I02
REG	Arsenic	1.7	MG/KG		=	
REG	Barium	22	MG/KG	B	J	
REG	Beryllium	0.07	MG/KG	B	J	
REG	Cadmium	0.32	MG/KG	B	J	
REG	Calcium	637	MG/KG	B	J	
REG	Chromium	8.7	MG/KG		=	
REG	Cobalt	0.26	MG/KG	B	J	
REG	Copper	23.3	MG/KG	*	J	F10
REG	Iron	8860	MG/KG		J	P01
REG	Lead	13.9	MG/KG	*	=	
REG	Magnesium	185	MG/KG	BN	J	I02
REG	Manganese	24.4	MG/KG		=	
REG	Mercury	0.06	MG/KG	B	J	
REG	Nickel	1.5	MG/KG	B	J	
REG	Potassium	121	MG/KG	B	J	
REG	Selenium	0.82	MG/KG	B	J	
REG	Silver	0.09	MG/KG	U	U	
REG	Sodium	10.7	MG/KG	B	U	F01,F06
REG	Thallium	0.38	MG/KG	U	R	F10
REG	Vanadium	16.4	MG/KG		=	
REG	Zinc	29.8	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	505	UG/KG	U	U	
REG	1,2-Dichlorobenzene	505	UG/KG	U	U	
REG	1,3-Dichlorobenzene	505	UG/KG	U	U	
REG	1,4-Dichlorobenzene	505	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	505	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1260	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	505	UG/KG	U	U	
REG	2,4-Dichlorophenol	505	UG/KG	U	U	
REG	2,4-Dimethylphenol	505	UG/KG	U	U	
REG	2,4-Dinitrophenol	1260	UG/KG	U	U	
REG	2,4-Dinitrotoluene	505	UG/KG	U	U	
REG	2,6-Dinitrotoluene	505	UG/KG	U	U	
REG	2-Chloronaphthalene	505	UG/KG	U	U	
REG	2-Chlorophenol	505	UG/KG	U	U	
REG	2-Methylnaphthalene	505	UG/KG	U	U	
REG	2-Methylphenol	505	UG/KG	U	U	
REG	2-Nitroaniline	1260	UG/KG	U	U	
REG	2-Nitrophenol	505	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1010	UG/KG	U	U	
REG	3-Nitroaniline	1260	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1260	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	505	UG/KG	U	U	
REG	4-Chloroaniline	505	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	505	UG/KG	U	U	
REG	4-Methylphenol	505	UG/KG	U	U	
REG	4-Nitroaniline	1260	UG/KG	U	U	
REG	4-Nitrophenol	1260	UG/KG	U	U	
REG	4-chloro-3-methylphenol	505	UG/KG	U	U	
REG	Acenaphthene	505	UG/KG	U	U	
REG	Acenaphthylene	505	UG/KG	U	U	
REG	Anthracene	505	UG/KG	U	U	
REG	Benzo(a)anthracene	505	UG/KG	U	U	
REG	Benzo(a)pyrene	505	UG/KG	U	U	
REG	Benzo(b)fluoranthene	505	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	505	UG/KG	U	U	
REG	Benzo(k)fluoranthene	505	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	505	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	505	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	505	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	505	UG/KG	U	U	
REG	Carbazole	505	UG/KG	U	U	
REG	Chrysene	505	UG/KG	U	U	
REG	Di-n-butyl Phthalate	263	UG/KG	J	J	
REG	Di-n-octyl Phthalate	505	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	505	UG/KG	U	U	
REG	Dibenzofuran	505	UG/KG	U	U	
REG	Diethyl Phthalate	505	UG/KG	U	U	
REG	Dimethyl Phthalate	505	UG/KG	U	U	
REG	Fluoranthene	505	UG/KG	U	U	
REG	Fluorene	505	UG/KG	U	U	
REG	Hexachlorobenzene	505	UG/KG	U	U	
REG	Hexachlorobutadiene	505	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	505	UG/KG	U	U	
REG	Hexachloroethane	505	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	505	UG/KG	U	U	
REG	Isophorone	505	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	505	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	505	UG/KG	U	U	
REG	Naphthalene	505	UG/KG	U	U	
REG	Nitrobenzene	505	UG/KG	U	U	
REG	Pentachlorophenol	1260	UG/KG	U	U	
REG	Phenanthrene	505	UG/KG	U	U	
REG	Phenol	505	UG/KG	U	U	
REG	Pyrene	505	UG/KG	U	U	
TIC REG	741.0 OIL AND GREASE	741	UG/KG	J		
TIC REG	271.0 OIL AND GREASE	271	UG/KG	J		
TIC REG	337.0 OIL AND GREASE	337	UG/KG	J		
TIC REG	832.0 OIL AND GREASE	832	UG/KG	J		
TIC REG	1160. OIL AND GREASE	1160	UG/KG	J		
TIC REG	213.0 OIL AND GREASE	213	UG/KG	J		
TIC REG	2710. OIL AND GREASE	2710	UG/KG	J		
TIC REG	322.0 OIL AND GREASE	322	UG/KG	J		
TIC REG	234.0 OIL AND GREASE	234	UG/KG	J		
TIC REG	694.0 OIL AND GREASE	694	UG/KG	J		

Location: SWMU 12A
Station : 12A-SWS-3

122311

Field Sample Type: Grab

Matrix: Sediment

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
TIC REG	985.0 OIL AND GREASE	985	UG/KG	J		
TIC REG	384.0 OIL AND GREASE	384	UG/KG	J		
TIC REG	511.0 OIL AND GREASE	511	UG/KG	J		

122311

Field Sample Type: Grab

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	871	UG/L		=	
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	3.3	UG/L	U	U	
REG	Barium	14.2	UG/L	B	J	
REG	Beryllium	0.22	UG/L	U	U	
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	2440	UG/L		=	
REG	Chromium	0.98	UG/L	B	J	
REG	Cobalt	0.5	UG/L	U	U	
REG	Copper	0.8	UG/L	U	R	F01,F10
REG	Iron	863	UG/L		=	
REG	Lead	1.2	UG/L	B	J	
REG	Magnesium	759	UG/L		=	
REG	Manganese	26.6	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.1	UG/L	U	U	
REG	Potassium	462	UG/L		=	
REG	Selenium	2	UG/L	B	U	F01,F06
REG	Silver	0.63	UG/L	U	U	
REG	Sodium	3200	UG/L		=	
REG	Thallium	2.6	UG/L	U	U	
REG	Vanadium	2.2	UG/L	B	J	
REG	Zinc	8.2	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.104	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.104	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.104	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.104	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.104	UG/L	U	U	
REG	2-Nitrotoluene	0.104	UG/L	U	U	
REG	3-Nitrotoluene	0.104	UG/L	U	U	
REG	4-Nitrotoluene	0.104	UG/L	U	U	
REG	HMX	0.104	UG/L	U	U	
REG	Nitrobenzene	0.104	UG/L	U	U	
REG	RDX	0.104	UG/L	U	U	
REG	Tetryl	0.104	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.3	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.3	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.3	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.3	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.3	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25.8	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.3	UG/L	U	U	
REG	2,4-Dichlorophenol	10.3	UG/L	U	U	
REG	2,4-Dimethylphenol	10.3	UG/L	U	U	
REG	2,4-Dinitrophenol	25.8	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.3	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.3	UG/L	U	U	
REG	2-Chloronaphthalene	10.3	UG/L	U	U	
REG	2-Chlorophenol	10.3	UG/L	U	U	
REG	2-Methylnaphthalene	10.3	UG/L	U	UJ	C05
REG	2-Methylphenol	10.3	UG/L	U	U	
REG	2-Nitroaniline	25.8	UG/L	U	U	
REG	2-Nitrophenol	10.3	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	20.6	UG/L	U	U	

Location: SWMU 12A
Station : 12A-SWS-3

123311

Field Sample Type: Grab

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	3-Nitroaniline	25.8	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	25.8	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.3	UG/L	U	U	
REG	4-Chloroaniline	10.3	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.3	UG/L	U	U	
REG	4-Methylphenol	10.3	UG/L	U	U	
REG	4-Nitroaniline	25.8	UG/L	U	UJ	C05
REG	4-Nitrophenol	25.8	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.3	UG/L	U	U	
REG	Acenaphthene	10.3	UG/L	U	U	
REG	Acenaphthylene	10.3	UG/L	U	U	
REG	Anthracene	10.3	UG/L	U	U	
REG	Benzo(a)anthracene	10.3	UG/L	U	U	
REG	Benzo(a)pyrene	10.3	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.3	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.3	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.3	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.3	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.3	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.3	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.3	UG/L	U	U	
REG	Carbazole	10.3	UG/L	U	U	
REG	Chrysene	10.3	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.3	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.3	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.3	UG/L	U	U	
REG	Dibenzofuran	10.3	UG/L	U	U	
REG	Diethyl Phthalate	10.3	UG/L	U	U	
REG	Dimethyl Phthalate	10.3	UG/L	U	U	
REG	Fluoranthene	10.3	UG/L	U	U	
REG	Fluorene	10.3	UG/L	U	U	
REG	Hexachlorobenzene	10.3	UG/L	U	U	
REG	Hexachlorobutadiene	10.3	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.3	UG/L	U	U	
REG	Hexachloroethane	10.3	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.3	UG/L	U	U	
REG	Isophorone	10.3	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.3	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.3	UG/L	U	U	
REG	Naphthalene	10.3	UG/L	U	U	
REG	Nitrobenzene	10.3	UG/L	U	U	
REG	Pentachlorophenol	25.8	UG/L	U	U	
REG	Phenanthrene	10.3	UG/L	U	U	
REG	Phenol	10.3	UG/L	U	U	
REG	Pyrene	10.3	UG/L	U	U	

Location: SWMU 12A
Station : 12A-SWS-4

122411

Field Sample Type: Grab

Matrix: Sediment

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	1950	MG/KG	=		
REG	Antimony	0.3	MG/KG	UN	UJ	I02
REG	Arsenic	0.47	MG/KG	U	U	
REG	Barium	8.5	MG/KG	B	J	
REG	Beryllium	0.05	MG/KG	B	J	
REG	Cadmium	0.09	MG/KG	B	J	
REG	Calcium	123	MG/KG	B	J	
REG	Chromium	1.8	MG/KG	B	J	
REG	Cobalt	0.12	MG/KG	B	J	
REG	Copper	2.1	MG/KG	B*	J	F10
REG	Iron	613	MG/KG	J		P01
REG	Lead	4.5	MG/KG	*	=	
REG	Magnesium	58.2	MG/KG	BN	J	I02
REG	Manganese	28	MG/KG	=		
REG	Mercury	0.02	MG/KG	U	U	
REG	Nickel	0.72	MG/KG	B	J	

Location: SWMU 12A
Station : 12A-SWS-4

122411

Field Sample Type: Grab Matrix: Sediment

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Potassium	35	MG/KG	B	J	
REG	Selenium	0.37	MG/KG	B	J	
REG	Silver	0.09	MG/KG	U	U	
REG	Sodium	4.5	MG/KG	B	U	F01,F06
REG	Thallium	0.38	MG/KG	U	R	F10
REG	Vanadium	2.2	MG/KG	B	J	
REG	Zinc	4.1	MG/KG	B	J	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	483	UG/KG	U	U	
REG	1,2-Dichlorobenzene	483	UG/KG	U	U	
REG	1,3-Dichlorobenzene	483	UG/KG	U	U	
REG	1,4-Dichlorobenzene	483	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	483	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1210	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	483	UG/KG	U	U	
REG	2,4-Dichlorophenol	483	UG/KG	U	U	
REG	2,4-Dimethylphenol	483	UG/KG	U	U	
REG	2,4-Dinitrophenol	1210	UG/KG	U	U	
REG	2,4-Dinitrotoluene	483	UG/KG	U	U	
REG	2,6-Dinitrotoluene	483	UG/KG	U	U	
REG	2-Chloronaphthalene	483	UG/KG	U	U	
REG	2-Chlorophenol	483	UG/KG	U	U	
REG	2-Methylnaphthalene	483	UG/KG	U	U	
REG	2-Methylphenol	483	UG/KG	U	U	
REG	2-Nitroaniline	1210	UG/KG	U	U	
REG	2-Nitrophenol	483	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	966	UG/KG	U	U	
REG	3-Nitroaniline	1210	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1210	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	483	UG/KG	U	U	
REG	4-Chloroaniline	483	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	483	UG/KG	U	U	
REG	4-Methylphenol	483	UG/KG	U	U	
REG	4-Nitroaniline	1210	UG/KG	U	U	
REG	4-Nitrophenol	1210	UG/KG	U	U	
REG	4-chloro-3-methylphenol	483	UG/KG	U	U	
REG	Acenaphthene	483	UG/KG	U	U	
REG	Acenaphthylene	483	UG/KG	U	U	
REG	Anthracene	483	UG/KG	U	U	
REG	Benzo(a)anthracene	483	UG/KG	U	U	
REG	Benzo(a)pyrene	483	UG/KG	U	U	
REG	Benzo(b)fluoranthene	483	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	483	UG/KG	U	U	
REG	Benzo(k)fluoranthene	483	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	483	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	483	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	483	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	483	UG/KG	U	U	
REG	Carbazole	483	UG/KG	U	U	
REG	Chrysene	483	UG/KG	U	U	
REG	Di-n-butyl Phthalate	483	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SWS-4

122411

Field Sample Type: Grab

Matrix: Sediment

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Di-n-octyl Phthalate	483	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	483	UG/KG	U	U	
REG	Dibenzofuran	483	UG/KG	U	U	
REG	Diethyl Phthalate	483	UG/KG	U	U	
REG	Dimethyl Phthalate	483	UG/KG	U	U	
REG	Fluoranthene	483	UG/KG	U	U	
REG	Fluorene	483	UG/KG	U	U	
REG	Hexachlorobenzene	483	UG/KG	U	U	
REG	Hexachlorobutadiene	483	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	483	UG/KG	U	U	
REG	Hexachloroethane	483	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	483	UG/KG	U	U	
REG	Isophorone	483	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	483	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	483	UG/KG	U	U	
REG	Naphthalene	483	UG/KG	U	U	
REG	Nitrobenzene	483	UG/KG	U	U	
REG	Pentachlorophenol	1210	UG/KG	U	U	
REG	Phenanthrene	483	UG/KG	U	U	
REG	Phenol	483	UG/KG	U	U	
REG	Pyrene	483	UG/KG	U	U	
TIC REG	287.0 Naphthalene	287	UG/KG	NJ		
TIC REG	307.0 OIL AND GREASE	307	UG/KG	NJ		
TIC REG	574.0 OIL AND GREASE	574	UG/KG	NJ		
TIC REG	354.0 OIL AND GREASE	354	UG/KG	J		
TIC REG	218.0 OIL AND GREASE	218	UG/KG	NJ		
TIC REG	812.0 OIL AND GREASE	812	UG/KG	NJ		
TIC REG	1110. OIL AND GREASE	1110	UG/KG	J		
TIC REG	640.0 OIL AND GREASE	640	UG/KG	J		
TIC REG	430.0 OIL AND GREASE	430	UG/KG	NJ		
TIC REG	462.0 OIL AND GREASE	462	UG/KG	NJ		
TIC REG	1270. OIL AND GREASE	1270	UG/KG	J		
TIC REG	663.0 OIL AND GREASE	663	UG/KG	J		
TIC REG	645.0 OIL AND GREASE	645	UG/KG	NJ		
TIC REG	276.0 OIL AND GREASE	276	UG/KG	J		
TIC REG	609.0 OIL AND GREASE	609	UG/KG	J		
TIC REG	332.0 OIL AND GREASE	332	UG/KG	J		
TIC REG	352.0 OIL AND GREASE	352	UG/KG	J		
TIC REG	557.0 OIL AND GREASE	557	UG/KG	J		
TIC REG	348.0 OIL AND GREASE	348	UG/KG	J		

122421

Field Sample Type: Field Duplicate

Matrix: Sediment

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	1470	MG/KG	=		
REG	Antimony	0.29	MG/KG	UN	UJ	I02
REG	Arsenic	0.45	MG/KG	U	U	
REG	Barium	7.3	MG/KG	B	J	
REG	Beryllium	0.04	MG/KG	B	J	
REG	Cadmium	0.06	MG/KG	U	U	
REG	Calcium	79.8	MG/KG	B	J	
REG	Chromium	1.2	MG/KG	B	J	
REG	Cobalt	0.07	MG/KG	U	U	
REG	Copper	2.2	MG/KG	B*	J	F10
REG	Iron	523	MG/KG	J	J	P01
REG	Lead	3.5	MG/KG	*	=	
REG	Magnesium	37	MG/KG	BN	J	I02
REG	Manganese	22.6	MG/KG	=		
REG	Mercury	0.02	MG/KG	U	U	
REG	Nickel	0.34	MG/KG	B	J	
REG	Potassium	24.2	MG/KG	B	J	
REG	Selenium	0.19	MG/KG	U	U	
REG	Silver	0.09	MG/KG	U	U	
REG	Sodium	1.6	MG/KG	U	U	
REG	Thallium	0.36	MG/KG	U	R	F10
REG	Vanadium	1.6	MG/KG	B	J	
REG	Zinc	3.4	MG/KG	B	J	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	80	UG/KG	U	UJ	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	461	UG/KG	U	U	
REG	1,2-Dichlorobenzene	461	UG/KG	U	U	
REG	1,3-Dichlorobenzene	461	UG/KG	U	U	
REG	1,4-Dichlorobenzene	461	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	461	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1150	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	461	UG/KG	U	U	
REG	2,4-Dichlorophenol	461	UG/KG	U	U	
REG	2,4-Dimethylphenol	461	UG/KG	U	U	
REG	2,4-Dinitrophenol	1150	UG/KG	U	U	
REG	2,4-Dinitrotoluene	461	UG/KG	U	U	
REG	2,6-Dinitrotoluene	461	UG/KG	U	U	
REG	2-Chloronaphthalene	461	UG/KG	U	U	
REG	2-Chlorophenol	461	UG/KG	U	U	
REG	2-Methylnaphthalene	461	UG/KG	U	U	
REG	2-Methylphenol	461	UG/KG	U	U	
REG	2-Nitroaniline	1150	UG/KG	U	U	
REG	2-Nitrophenol	461	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	923	UG/KG	U	U	
REG	3-Nitroaniline	1150	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1150	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	461	UG/KG	U	U	
REG	4-Chloroaniline	461	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	461	UG/KG	U	U	
REG	4-Methylphenol	461	UG/KG	U	U	
REG	4-Nitroaniline	1150	UG/KG	U	U	
REG	4-Nitrophenol	1150	UG/KG	U	U	
REG	4-chloro-3-methylphenol	461	UG/KG	U	U	
REG	Acenaphthene	461	UG/KG	U	U	
REG	Acenaphthylene	461	UG/KG	U	U	
REG	Anthracene	461	UG/KG	U	U	
REG	Benzo(a)anthracene	461	UG/KG	U	U	
REG	Benzo(a)pyrene	461	UG/KG	U	U	
REG	Benzo(b)fluoranthene	461	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	461	UG/KG	U	U	
REG	Benzo(k)fluoranthene	461	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	461	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	461	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	461	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	461	UG/KG	U	U	
REG	Carbazole	461	UG/KG	U	U	
REG	Chrysene	461	UG/KG	U	U	
REG	Di-n-butyl Phthalate	461	UG/KG	U	U	
REG	Di-n-octyl Phthalate	461	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	461	UG/KG	U	U	
REG	Dibenzofuran	461	UG/KG	U	U	
REG	Diethyl Phthalate	461	UG/KG	U	U	
REG	Dimethyl Phthalate	461	UG/KG	U	U	
REG	Fluoranthene	461	UG/KG	U	U	
REG	Fluorene	461	UG/KG	U	U	
REG	Hexachlorobenzene	461	UG/KG	U	U	
REG	Hexachlorobutadiene	461	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	461	UG/KG	U	U	
REG	Hexachloroethane	461	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	461	UG/KG	U	U	
REG	Isophorone	461	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	461	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	461	UG/KG	U	U	
REG	Naphthalene	461	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SWS-4

122421

Field Sample Type: Field Duplicate

Matrix: Sediment

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nitrobenzene	461	UG/KG	U	U	
REG	Pentachlorophenol	1150	UG/KG	U	U	
REG	Phenanthrene	461	UG/KG	U	U	
REG	Phenol	461	UG/KG	U	U	
REG	Pyrene	461	UG/KG	U	U	
TIC REG	262.0 OIL AND GREASE	262	UG/KG	J		
TIC REG	220.0 OIL AND GREASE	220	UG/KG	J		
TIC REG	357.0 OIL AND GREASE	357	UG/KG	J		
TIC REG	208.0 OIL AND GREASE	208	UG/KG	J		
TIC REG	186.0 OIL AND GREASE	186	UG/KG	J		
TIC REG	220.0 OIL AND GREASE	220	UG/KG	J		
TIC REG	453.0 OIL AND GREASE	453	UG/KG	J		

123411

Field Sample Type: Grab

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	1370	UG/L		=	
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	3.3	UG/L	U	U	
REG	Barium	19.3	UG/L	B	J	
REG	Beryllium	0.22	UG/L	U	U	
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	2630	UG/L		=	
REG	Chromium	1.1	UG/L	B	J	
REG	Cobalt	0.5	UG/L	U	U	
REG	Copper	0.8	UG/L	U	R	F01,F10
REG	Iron	954	UG/L		=	
REG	Lead	3.7	UG/L		=	
REG	Magnesium	792	UG/L		=	
REG	Manganese	53	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.1	UG/L	U	U	
REG	Potassium	582	UG/L		=	
REG	Selenium	1.4	UG/L	U	U	
REG	Silver	0.63	UG/L	U	U	
REG	Sodium	2970	UG/L		=	
REG	Thallium	2.6	UG/L	U	U	
REG	Vanadium	2.5	UG/L	B	J	
REG	Zinc	14.5	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.104	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.104	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.104	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.104	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.104	UG/L	U	U	
REG	2-Nitrotoluene	0.104	UG/L	U	U	
REG	3-Nitrotoluene	0.104	UG/L	U	U	
REG	4-Nitrotoluene	0.104	UG/L	U	U	
REG	HMX	0.104	UG/L	U	U	
REG	Nitrobenzene	0.104	UG/L	U	U	
REG	RDX	0.184	UG/L		=	
REG	Tetryl	0.104	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	1,2,4-Trichlorobenzene	11	UG/L	U	UJ	A01
REA	1,2-Dichlorobenzene	11	UG/L	U	UJ	A01
REA	1,3-Dichlorobenzene	11	UG/L	U	UJ	A01
REA	1,4-Dichlorobenzene	11	UG/L	U	UJ	A01
REA	2,2'-oxybis (1-chloropropane)	11	UG/L	U	UJ	A01
REA	2,4,5-Trichlorophenol	27.5	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	11	UG/L	U	UJ	A01
REA	2,4-Dichlorophenol	11	UG/L	U	UJ	A01
REA	2,4-Dimethylphenol	11	UG/L	U	UJ	A01
REA	2,4-Dinitrophenol	27.5	UG/L	U	UJ	A01

Location: SWMU 12A
Station : 12A-SWS-4

123411

Field Sample Type: Grab Matrix: Surface Water

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	2,4-Dinitrotoluene	11	UG/L	U	UJ	A01
REA	2,6-Dinitrotoluene	11	UG/L	U	UJ	A01
REA	2-Chloronaphthalene	11	UG/L	U	UJ	A01
REA	2-Chlorophenol	11	UG/L	U	UJ	A01
REA	2-Methylnaphthalene	11	UG/L	U	UJ	A01
REA	2-Methylphenol	11	UG/L	U	UJ	A01
REA	2-Nitroaniline	27.5	UG/L	U	UJ	A01
REA	2-Nitrophenol	11	UG/L	U	UJ	A01
REA	3,3'-Dichlorobenzidine	22	UG/L	U	UJ	A01
REA	3-Nitroaniline	27.5	UG/L	U	UJ	A01
REA	4,6-Dinitro-o-Cresol	27.5	UG/L	U	UJ	A01
REA	4-Bromophenyl-phenyl Ether	11	UG/L	U	UJ	A01
REA	4-Chloroaniline	11	UG/L	U	UJ	A01
REA	4-Chlorophenyl-phenylether	11	UG/L	U	UJ	A01
REA	4-Methylphenol	11	UG/L	U	UJ	A01
REA	4-Nitroaniline	27.5	UG/L	U	UJ	A01
REA	4-Nitrophenol	27.5	UG/L	U	UJ	A01
REA	4-chloro-3-methylphenol	11	UG/L	U	UJ	A01
REA	Acenaphthene	11	UG/L	U	UJ	A01
REA	Acenaphthylene	11	UG/L	U	UJ	A01
REA	Anthracene	11	UG/L	U	UJ	A01
REA	Benzo(a)anthracene	11	UG/L	U	UJ	A01
REA	Benzo(a)pyrene	11	UG/L	U	UJ	A01
REA	Benzo(b)fluoranthene	11	UG/L	U	UJ	A01
REA	Benzo(g,h,i)perylene	11	UG/L	U	UJ	A01
REA	Benzo(k)fluoranthene	11	UG/L	U	UJ	A01
REA	Bis(2-chloroethoxy)methane	11	UG/L	U	UJ	A01
REA	Bis(2-chloroethyl)ether	11	UG/L	U	UJ	A01
REA	Bis(2-ethylhexyl)phthalate	11	UG/L	U	UJ	A01
REA	Butyl Benzyl Phthalate	11	UG/L	U	UJ	A01
REA	Carbazole	11	UG/L	U	UJ	A01
REA	Chrysene	11	UG/L	U	UJ	A01
REA	Di-n-butyl Phthalate	11	UG/L	U	UJ	A01
REA	Di-n-octyl Phthalate	11	UG/L	U	UJ	A01
REA	Dibenzo(a,h)anthracene	11	UG/L	U	UJ	A01
REA	Dibenzofuran	11	UG/L	U	UJ	A01
REA	Diethyl Phthalate	11	UG/L	U	UJ	A01
REA	Dimethyl Phthalate	11	UG/L	U	UJ	A01
REA	Fluoranthene	11	UG/L	U	UJ	A01
REA	Fluorene	11	UG/L	U	UJ	A01
REA	Hexachlorobenzene	11	UG/L	U	UJ	A01
REA	Hexachlorobutadiene	11	UG/L	U	UJ	A01
REA	Hexachlorocyclopentadiene	11	UG/L	U	UJ	A01
REA	Hexachloroethane	11	UG/L	U	UJ	A01
REA	Indeno(1,2,3-cd)pyrene	11	UG/L	U	UJ	A01
REA	Isophorone	11	UG/L	U	UJ	A01
REA	N-Nitroso-di-n-propylamine	11	UG/L	U	UJ	A01
REA	N-Nitrosodiphenylamine	11	UG/L	U	UJ	A01
REA	Naphthalene	11	UG/L	U	UJ	A01
REA	Nitrobenzene	11	UG/L	U	UJ	A01
REA	Pentachlorophenol	27.5	UG/L	U	UJ	A01
REA	Phenanthrene	11	UG/L	U	UJ	A01
REA	Phenol	11	UG/L	U	UJ	A01
REA	Pyrene	11	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.9	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.9	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.9	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.9	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.9	UG/L	U	U	
REG	2,4,5-Trichlorophenol	27.2	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.9	UG/L	U	U	
REG	2,4-Dichlorophenol	10.9	UG/L	U	U	
REG	2,4-Dimethylphenol	10.9	UG/L	U	U	
REG	2,4-Dinitrophenol	27.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.9	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.9	UG/L	U	U	

Location: SWMU 12A
Station : 12A-SWS-4

123411

Field Sample Type: Grab

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Chloronaphthalene	10.9	UG/L	U	U	
REG	2-Chlorophenol	10.9	UG/L	U	U	
REG	2-Methylnaphthalene	10.9	UG/L	U	UJ	C05
REG	2-Methylphenol	10.9	UG/L	U	U	
REG	2-Nitroaniline	27.2	UG/L	U	U	
REG	2-Nitrophenol	10.9	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	21.7	UG/L	U	U	
REG	3-Nitroaniline	27.2	UG/L	U	U	
REG	4,6-Dinitro-o-Cresol	27.2	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.9	UG/L	U	U	
REG	4-Chloroaniline	10.9	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.9	UG/L	U	U	
REG	4-Methylphenol	10.9	UG/L	U	U	
REG	4-Nitroaniline	27.2	UG/L	U	UJ	C05
REG	4-Nitrophenol	27.2	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.9	UG/L	U	U	
REG	Acenaphthene	10.9	UG/L	U	U	
REG	Acenaphthylene	10.9	UG/L	U	U	
REG	Anthracene	10.9	UG/L	U	U	
REG	Benzo(a)anthracene	10.9	UG/L	U	U	
REG	Benzo(a)pyrene	10.9	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.9	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.9	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.9	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.9	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.9	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.9	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.9	UG/L	U	U	
REG	Carbazole	10.9	UG/L	U	U	
REG	Chrysene	10.9	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.9	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.9	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.9	UG/L	U	U	
REG	Dibenzofuran	10.9	UG/L	U	U	
REG	Diethyl Phthalate	10.9	UG/L	U	U	
REG	Dimethyl Phthalate	10.9	UG/L	U	U	
REG	Fluoranthene	10.9	UG/L	U	U	
REG	Fluorene	10.9	UG/L	U	U	
REG	Hexachlorobenzene	10.9	UG/L	U	U	
REG	Hexachlorobutadiene	10.9	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.9	UG/L	U	U	
REG	Hexachloroethane	10.9	UG/L	U	U	
REG	indeno(1,2,3-cd)pyrene	10.9	UG/L	U	U	
REG	Isophorone	10.9	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.9	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.9	UG/L	U	U	
REG	Naphthalene	10.9	UG/L	U	U	
REG	Nitrobenzene	10.9	UG/L	U	U	
REG	Pentachlorophenol	27.2	UG/L	U	U	
REG	Phenanthrene	10.9	UG/L	U	U	
REG	Phenol	10.9	UG/L	U	U	
REG	Pyrene	10.9	UG/L	U	U	

Location: SWMU 12A
Station : 12A-SWS-5

122511

Field Sample Type: Grab

Matrix: Sediment

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2700	MG/KG	=		
REG	Antimony	0.42	MG/KG	BN	J	102
REG	Arsenic	0.59	MG/KG	U	U	
REG	Barium	39.8	MG/KG	B	J	
REG	Beryllium	0.1	MG/KG	B	J	
REG	Cadmium	0.16	MG/KG	B	J	
REG	Calcium	1620	MG/KG	B	J	
REG	Chromium	1.9	MG/KG	B	J	
REG	Cobalt	0.77	MG/KG	B	J	

Location: SWMU 12A
Station : 12A-SWS-5

122511

Field Sample Type: Grab Matrix: Sediment

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Copper	18.2	MG/KG	*	J	F10
REG	Iron	721	MG/KG		J	P01
REG	Lead	12.3	MG/KG	*	=	
REG	Magnesium	215	MG/KG	BN	J	102
REG	Manganese	90	MG/KG		=	
REG	Mercury	0.08	MG/KG	B	J	
REG	Nickel	1.1	MG/KG	B	J	
REG	Potassium	103	MG/KG	B	J	
REG	Selenium	0.61	MG/KG	B	J	
REG	Silver	0.11	MG/KG	U	U	
REG	Sodium	7.8	MG/KG	B	U	F01,F06
REG	Thallium	0.47	MG/KG	U	R	F10
REG	Vanadium	2.4	MG/KG	B	J	
REG	Zinc	18.3	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	80	UG/KG	U	U	
REG	1,3-Dinitrobenzene	80	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	80	UG/KG	U	U	
REG	2,4-Dinitrotoluene	80	UG/KG	U	U	
REG	2,6-Dinitrotoluene	80	UG/KG	U	U	
REG	2-Nitrotoluene	80	UG/KG	U	U	
REG	3-Nitrotoluene	80	UG/KG	U	U	
REG	4-Nitrotoluene	80	UG/KG	U	U	
REG	HMX	80	UG/KG	U	UJ	P01
REG	Nitrobenzene	80	UG/KG	U	U	
REG	RDX	170	UG/KG		J	P01
REG	Tetryl	80	UG/KG	U	UJ	P01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	654	UG/KG	U	U	
REG	1,2-Dichlorobenzene	654	UG/KG	U	U	
REG	1,3-Dichlorobenzene	654	UG/KG	U	U	
REG	1,4-Dichlorobenzene	654	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	654	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1630	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	654	UG/KG	U	U	
REG	2,4-Dichlorophenol	654	UG/KG	U	U	
REG	2,4-Dimethylphenol	654	UG/KG	U	U	
REG	2,4-Dinitrophenol	1630	UG/KG	U	U	
REG	2,4-Dinitrotoluene	654	UG/KG	U	U	
REG	2,6-Dinitrotoluene	654	UG/KG	U	U	
REG	2-Chloronaphthalene	654	UG/KG	U	U	
REG	2-Chlorophenol	654	UG/KG	U	U	
REG	2-Methylnaphthalene	654	UG/KG	U	U	
REG	2-Methylphenol	654	UG/KG	U	U	
REG	2-Nitroaniline	1630	UG/KG	U	U	
REG	2-Nitrophenol	654	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1310	UG/KG	U	U	
REG	3-Nitroaniline	1630	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1630	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	654	UG/KG	U	U	
REG	4-Chloroaniline	654	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	654	UG/KG	U	U	
REG	4-Methylphenol	654	UG/KG	U	U	
REG	4-Nitroaniline	1630	UG/KG	U	U	
REG	4-Nitrophenol	1630	UG/KG	U	U	
REG	4-chloro-3-methylphenol	654	UG/KG	U	U	
REG	Acenaphthene	654	UG/KG	U	U	
REG	Acenaphthylene	654	UG/KG	U	U	
REG	Anthracene	654	UG/KG	U	U	
REG	Benzo(a)anthracene	654	UG/KG	U	U	
REG	Benzo(a)pyrene	654	UG/KG	U	U	
REG	Benzo(b)fluoranthene	654	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	654	UG/KG	U	U	
REG	Benzo(k)fluoranthene	654	UG/KG	U	U	

Location: SWMU 12A
Station : 12A-SWS-5

122511

Field Sample Type: Grab

Matrix: Sediment

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Bis(2-chloroethoxy)methane	654	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	654	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	654	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	654	UG/KG	U	U	
REG	Carbazole	654	UG/KG	U	U	
REG	Chrysene	654	UG/KG	U	U	
REG	Di-n-butyl Phthalate	654	UG/KG	U	U	
REG	Di-n-octyl Phthalate	654	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	654	UG/KG	U	U	
REG	Dibenzofuran	654	UG/KG	U	U	
REG	Diethyl Phthalate	654	UG/KG	U	U	
REG	Dimethyl Phthalate	654	UG/KG	U	U	
REG	Fluoranthene	654	UG/KG	U	U	
REG	Fluorene	654	UG/KG	U	U	
REG	Hexachlorobenzene	654	UG/KG	U	U	
REG	Hexachlorobutadiene	654	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	654	UG/KG	U	U	
REG	Hexachloroethane	654	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	654	UG/KG	U	U	
REG	Isophorone	654	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	654	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	654	UG/KG	U	U	
REG	Naphthalene	654	UG/KG	U	U	
REG	Nitrobenzene	654	UG/KG	U	U	
REG	Pentachlorophenol	1630	UG/KG	U	U	
REG	Phenanthrene	654	UG/KG	U	U	
REG	Phenol	654	UG/KG	U	U	
REG	Pyrene	654	UG/KG	U	U	
TIC REG	652.0 OIL AND GREASE	652	UG/KG	NJ		
TIC REG	361.0 OIL AND GREASE	361	UG/KG	J		
TIC REG	1470. OIL AND GREASE	1470	UG/KG	NJ		
TIC REG	642.0 OIL AND GREASE	642	UG/KG	J		
TIC REG	1810. OIL AND GREASE	1810	UG/KG	NJ		
TIC REG	937.0 OIL AND GREASE	937	UG/KG	NJ		
TIC REG	576.0 OIL AND GREASE	576	UG/KG	J		
TIC REG	530.0 OIL AND GREASE	530	UG/KG	NJ		
TIC REG	404.0 OIL AND GREASE	404	UG/KG	NJ		
TIC REG	710.0 OIL AND GREASE	710	UG/KG	J		
TIC REG	519.0 OIL AND GREASE	519	UG/KG	J		
TIC REG	798.0 OIL AND GREASE	798	UG/KG	J		
TIC REG	2060. OIL AND GREASE	2060	UG/KG	NJ		
TIC REG	640.0 OIL AND GREASE	640	UG/KG	J		
TIC REG	1300. OIL AND GREASE	1300	UG/KG	J		
TIC REG	926.0 OIL AND GREASE	926	UG/KG	J		
TIC REG	788.0 OIL AND GREASE	788	UG/KG	J		
TIC REG	263.0 OIL AND GREASE	263	UG/KG	J		
TIC REG	703.0 OIL AND GREASE	703	UG/KG	J		
TIC REG	995.0 OIL AND GREASE	995	UG/KG	J		
TIC REG	906.0 OIL AND GREASE	906	UG/KG	NJ		
TIC REG	1140. OIL AND GREASE	1140	UG/KG	J		
TIC REG	297.0 OIL AND GREASE	297	UG/KG	J		

123511

Field Sample Type: Grab

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	958	UG/L		=	
REG	Antimony	2.1	UG/L	U	U	
REG	Arsenic	3.3	UG/L	U	U	
REG	Barium	20.3	UG/L	B	J	
REG	Beryllium	0.22	UG/L	U	U	
REG	Cadmium	0.4	UG/L	U	U	
REG	Calcium	2640	UG/L		=	
REG	Chromium	0.81	UG/L	B	J	
REG	Cobalt	0.5	UG/L	U	U	
REG	Copper	0.8	UG/L	U	R	F01,F10
REG	Iron	705	UG/L		=	
REG	Lead	1.5	UG/L	B	J	
REG	Magnesium	828	UG/L		=	

Location: SWMU 12A
Station: 12A-SWS-5

123511

Field Sample Type: Grab

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Manganese	43.6	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.1	UG/L	U	U	
REG	Potassium	692	UG/L		=	
REG	Selenium	2.1	UG/L	B	U	F01,F06
REG	Silver	0.63	UG/L	U	U	
REG	Sodium	2890	UG/L		=	
REG	Thallium	2.6	UG/L	U	U	
REG	Vanadium	2	UG/L	B	J	
REG	Zinc	13	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	0.104	UG/L	U	U	
REG	1,3-Dinitrobenzene	0.104	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	0.104	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.104	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.104	UG/L	U	U	
REG	2-Nitrotoluene	0.104	UG/L	U	U	
REG	3-Nitrotoluene	0.104	UG/L	U	U	
REG	4-Nitrotoluene	0.104	UG/L	U	U	
REG	HMX	0.104	UG/L	U	U	
REG	Nitrobenzene	0.104	UG/L	U	U	
REG	RDX	0.104	UG/L	U	U	
REG	Tetryl	0.104	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.4	UG/L	U	UJ	A01,G02
REG	1,2-Dichlorobenzene	10.4	UG/L	U	UJ	A01,G02
REG	1,3-Dichlorobenzene	10.4	UG/L	U	UJ	A01,G02
REG	1,4-Dichlorobenzene	10.4	UG/L	U	UJ	A01,G02
REG	2,2'-oxybis (1-chloropropane)	10.4	UG/L	U	UJ	A01,G02
REG	2,4,5-Trichlorophenol	26	UG/L	U	UJ	A01,G02
REG	2,4,6-Trichlorophenol	10.4	UG/L	U	UJ	A01,G02
REG	2,4-Dichlorophenol	10.4	UG/L	U	UJ	A01,G02
REG	2,4-Dimethylphenol	10.4	UG/L	U	UJ	A01,G02
REG	2,4-Dinitrophenol	26	UG/L	U	UJ	A01,G02
REG	2,4-Dinitrotoluene	10.4	UG/L	U	UJ	A01,G02
REG	2,6-Dinitrotoluene	10.4	UG/L	U	UJ	A01,G02
REG	2-Chloronaphthalene	10.4	UG/L	U	UJ	A01,G02
REG	2-Chlorophenol	10.4	UG/L	U	UJ	A01,G02
REG	2-Methylnaphthalene	10.4	UG/L	U	UJ	A01,G02
REG	2-Methylphenol	10.4	UG/L	U	UJ	A01,G02
REG	2-Nitroaniline	26	UG/L	U	UJ	A01,G02
REG	2-Nitrophenol	10.4	UG/L	U	UJ	A01,G02
REG	3,3'-Dichlorobenzidine	20.8	UG/L	U	UJ	A01,G02
REG	3-Nitroaniline	26	UG/L	U	UJ	A01,G02
REG	4,6-Dinitro-o-Cresol	26	UG/L	U	UJ	A01,G02
REG	4-Bromophenyl-phenyl Ether	10.4	UG/L	U	UJ	A01,G02
REG	4-Chloroaniline	10.4	UG/L	U	UJ	A01,G02
REG	4-Chlorophenyl-phenylether	10.4	UG/L	U	UJ	A01,G02
REG	4-Methylphenol	10.4	UG/L	U	UJ	A01,G02
REG	4-Nitroaniline	26	UG/L	U	UJ	A01,G02
REG	4-Nitrophenol	26	UG/L	U	UJ	A01,G02
REG	4-chloro-3-methylphenol	10.4	UG/L	U	UJ	A01,G02
REG	Acenaphthene	10.4	UG/L	U	UJ	A01,G02
REG	Acenaphthylene	10.4	UG/L	U	UJ	A01,G02
REG	Anthracene	10.4	UG/L	U	UJ	A01,G02
REG	Benzo(a)anthracene	10.4	UG/L	U	UJ	A01,G02
REG	Benzo(a)pyrene	10.4	UG/L	U	UJ	A01,G02
REG	Benzo(b)fluoranthene	10.4	UG/L	U	UJ	A01,G02
REG	Benzo(g,h,i)perylene	10.4	UG/L	U	UJ	A01,G02
REG	Benzo(k)fluoranthene	10.4	UG/L	U	UJ	A01,G02
REG	Bis(2-chloroethoxy)methane	10.4	UG/L	U	UJ	A01,G02
REG	Bis(2-chloroethyl)ether	10.4	UG/L	U	UJ	A01,G02
REG	Bis(2-ethylhexyl)phthalate	10.4	UG/L	U	UJ	A01,G02
REG	Butyl Benzyl Phthalate	10.4	UG/L	U	UJ	A01,G02

Location: SWMU 12A
Station : 12A-SWS-5

123511

Field Sample Type: Grab

Matrix: Surface Water

Collected: 01/27/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation
				Lab	Data	Code
REG	Carbazole	10.4	UG/L	U	UJ	A01,G02
REG	Chrysene	10.4	UG/L	U	UJ	A01,G02
REG	Di-n-butyl Phthalate	10.4	UG/L	U	UJ	A01,G02
REG	Di-n-octyl Phthalate	10.4	UG/L	U	UJ	A01,G02
REG	Dibenzo(a,h)anthracene	10.4	UG/L	U	UJ	A01,G02
REG	Dibenzofuran	10.4	UG/L	U	UJ	A01,G02
REG	Diethyl Phthalate	10.4	UG/L	U	UJ	A01,G02
REG	Dimethyl Phthalate	10.4	UG/L	U	UJ	A01,G02
REG	Fluoranthene	10.4	UG/L	U	UJ	A01,G02
REG	Fluorene	10.4	UG/L	U	UJ	A01,G02
REG	Hexachlorobenzene	10.4	UG/L	U	UJ	A01,G02
REG	Hexachlorobutadiene	10.4	UG/L	U	UJ	A01,G02
REG	Hexachlorocyclopentadiene	10.4	UG/L	U	UJ	A01,G02
REG	Hexachloroethane	10.4	UG/L	U	UJ	A01,G02
REG	Indeno(1,2,3-cd)pyrene	10.4	UG/L	U	UJ	A01,G02
REG	Isophorone	10.4	UG/L	U	UJ	A01,G02
REG	N-Nitroso-di-n-propylamine	10.4	UG/L	U	UJ	A01,G02
REG	N-Nitrosodiphenylamine	10.4	UG/L	U	UJ	A01,G02
REG	Naphthalene	10.4	UG/L	U	UJ	A01,G02
REG	Nitrobenzene	10.4	UG/L	U	UJ	A01,G02
REG	Pentachlorophenol	26	UG/L	U	UJ	A01,G02
REG	Phenanthrene	10.4	UG/L	U	UJ	A01,G02
REG	Phenol	10.4	UG/L	U	UJ	A01,G02
REG	Pyrene	10.4	UG/L	U	UJ	A01,G02

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DATA VALIDATION REASON CODES

Organic, Inorganic, and Radiological Analytical Data

Holding Times

- A01 Extraction holding times were exceeded.
- A02 Extraction holding times were grossly exceeded.
- A03 Analysis holding times were exceeded.
- A04 Analysis holding times were grossly exceeded.
- A05 Samples were not preserved properly.
- A06 Professional judgement was used to qualify the data.

GC/MS Tuning

- B01 Mass calibration was in error, even after applying expanded criteria.
- B02 Mass calibration was not performed every 12 hours.
- B03 Mass calibration did not meet ion abundance criteria.
- B04 Professional judgement was used to qualify the data.

Initial/Continuing Calibration - Organics

- C01 Initial calibration RRF was < 0.05 .
- C02 Initial calibration RSD was $> 30\%$.
- C03 Initial calibration sequence was not followed as required.
- C04 Continuing calibration RRF was < 0.05 .
- C05 Continuing calibration %D was $> 25\%$.
- C06 Continuing calibration was not performed at the required frequency.
- C07 Resolution criteria were not met.
- C08 RPD criteria were not met.
- C09 RSD criteria were not met.
- C10 Retention time of compounds was outside windows.
- C11 Compounds were not adequately resolved.
- C12 Breakdown of endrin or DDT was $> 20\%$.
- C13 Combined breakdown of endrin/DDT was $> 30\%$.
- C14 Professional judgement was used to qualify the data.

Initial/Continuing Calibration - Inorganics

- D01 ICV or CCV were not performed for every analyte.
- D02 ICV recovery was above the upper control limit.
- D03 ICV recovery was below the lower control limit.
- D04 CCV recovery was above the upper control limit.
- D05 CCV recovery was below the lower control limit.
- D06 Standard curve was not established with the minimum number of standards.
- D07 Instrument was not calibrated daily or each time the instrument was set up.
- D08 Correlation coefficient was <0.995 .
- D09 Mid range cyanide standard was not distilled.
- D10 Professional judgement was used to qualify the data.

ICP and Furnace Requirements

- E01 Interference check sample recovery was outside the control limit.
- E02 Duplicate injections were outside the control limit.
- E03 Post digestion spike recovery was outside the control limit.
- E04 MSA was required but not performed.
- E05 MSA correlation coefficient was <0.995 .
- E06 MSA spikes were not at the correct concentration.
- E07 Serial dilution criteria were not met.
- E08 Professional judgement was used to qualify the data.

Blanks

- F01 Sample data were qualified as a result of the method blank.
- F02 Sample data were qualified as a result of the field blank.
- F03 Sample data were qualified as a result of the equipment rinsate.
- F04 Sample data were qualified as a result of the trip blank.
- F05 Gross contamination exists.
- F06 Concentration of the contaminant was detected at a level below the CRQL.
- F07 Concentration of the contaminant was detected at a level less than the action limit, but greater than the CRQL.
- F08 Concentration of the contaminant was detected at a level that exceeds the action level.
- F09 No laboratory blanks were analyzed.
- F10 Blank had a negative value $>2\times$ the IDL.
- F11 Blanks were not analyzed at required frequency.
- F12 Professional judgement was used to qualify the data.

Surrogate/Radiological Chemical Recovery

- G01 Surrogate/radiological chemical recovery was above the upper control limit.
- G02 Surrogate/radiological chemical recovery was below the lower control limit.
- G03 Surrogate recovery was $< 10\%$.
- G04 Surrogate recovery was zero.
- G05 Surrogate/radiological chemical recovery data was not present.
- G06 Professional judgement was used to qualify the data.
- G07 Radiological chemical recovery was $< 20\%$.
- G08 Radiological chemical recovery was $> 150\%$.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

- H01 MS/MSD recovery was above the upper control limit.
- H02 MS/MSD recovery was below the lower control limit.
- H03 MS/MSD recovery was $< 10\%$.
- H04 MS/MSD pairs exceed the RPD limit.
- H05 No action was taken on MS/MSD results.
- H06 Professional judgement was used to qualify the data.
- H07 Radiological MS/MSD recovery was $< 20\%$.
- H08 Radiological MS/MSD recovery was $> 160\%$.
- H09 Radiological MS/MSD samples were not analyzed at the required frequency.

Matrix Spike

- I01 MS recovery was above the upper control limit.
- I02 MS recovery was below the lower control limit.
- I03 MS recovery was $< 30\%$.
- I04 No action was taken on MS data.
- I05 Professional judgement was used to qualify the data.

Laboratory Duplicate

- J01 Duplicate RPD/radiological duplicate error ratio (DER) was outside the control limit.
- J02 Duplicate sample results were $> 5 \times$ the CRDL.
- J03 Duplicate sample results were $< 5 \times$ the CRDL.
- J04 Professional judgement was used to qualify the data.
- J05 Duplicate was not analyzed at the required frequency.

Internal Area Summary

- K01 Area counts were outside the control limits.
- K02 Extremely low area counts or performance was exhibited by a major drop off.
- K03 IS retention time varied by more than 30 seconds.
- K04 Professional judgement was used to qualify the data.

Pesticide Cleanup Checks

- L01 10% recovery was obtained during either check.
- L02 Recoveries during either check were > 120%.
- L03 GPC Cleanup recoveries were outside the control limits.
- L04 Florisil cartridge cleanup recoveries were outside the control limits.
- L05 Professional judgement was used to qualify the data.

Target Compound Identification

- M01 Incorrect identifications were made.
- M02 Qualitative criteria were not met.
- M03 Cross contamination occurred.
- M04 Confirmatory analysis was not performed.
- M05 No results were provided.
- M06 Analysis occurred outside 12 hr GC/MS window.
- M07 Professional judgement was used to qualify the data.
- M08 The %D between the two pesticide/PCB column checks was > 25%.

Compound Quantitation and Reported CRQLs

- N01 Quantitation limits were affected by large off-scale peaks.
- N02 MDLs reported by the laboratory exceeded corresponding CRQLs.
- N03 Professional judgement used to qualify the data.

Tentatively Identified Compounds (TICs)

- O01 Compound was suspected laboratory contaminant and was not detected in the blank.
- O02 TIC result was not above 10× the level found in the blank.
- O03 Professional judgement was used to qualify analytical data.

Laboratory Control Samples (LCSs)

- P01 LCS recovery was above upper control limit.
- P02 LCS recovery was below lower control limit.
- P03 LCS recovery was $< 50\%$.
- P04 No action was taken on the LCS data.
- P05 LCS was not analyzed at required frequency.
- P06 Radiological LCS recovery was $< 50\%$ for aqueous samples; $< 40\%$ for solid samples.
- P07 Radiological LCS recovery was $> 150\%$ for aqueous samples; $> 160\%$ for solid samples.
- P08 Professional judgement was used to qualify the data.

Field Duplicate

- Q01 Field duplicate RPDs were $> 30\%$ for waters and/or $> 50\%$ for soils.
- Q02 Radiological field duplicate error ratio (DER) was outside the control limit.
- Q03 Duplicate sample results were $> 5 \times$ the CRDL.
- Q04 Duplicate sample results were $< 5 \times$ the CRDL.

Radiological Calibration

- R01 Efficiency calibration criteria were not met.
- R02 Energy calibration criteria were not met.
- R03 Resolution calibration criteria were not met.
- R04 Background determination criteria were not met.
- R05 Quench curve criteria were not met.
- R06 Absorption curve criteria were not met.
- R07 Plateau curve criteria were not met.
- R08 Professional judgement was used to qualify the data.

Radiological Calibration Verification

- S01 Efficiency verification criteria were not met.
- S02 Energy verification criteria were not met.
- S03 Resolution verification criteria were not met.
- S04 Background verification criteria were not met.
- S05 Cross-talk verification criteria were not met.
- S06 Professional judgement was used to qualify the data.

Radionuclide Quantitation

- T01 Detection limits were not met.
- T02 Analytical uncertainties were not met and/or not reported.
- T03 Inappropriate aliquot sizes were used.
- T04 Professional judgement was used to qualify the data.

System Performance

- V01 High background levels or a shift in the energy calibration were observed.
- V02 Extraneous peaks were observed.
- V03 Loss of resolution was observed.
- V04 Peak-tailing or peak splitting that may result in inaccurate quantitation were observed.
- V05 Professional judgement was used to qualify the data.

Data Qualifiers for Organic Analytical Data

Laboratory Qualifiers

- U — Indicates that the compound was analyzed for but not detected. The sample quantitation limit (SQL) must be corrected for dilution. For a soil/sediment sample, the value must also be corrected for percent moisture.
- J — Indicates an estimated value. This qualifier is used either when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the SQL but greater than zero.
- N — Indicates presumptive evidence of a compound. This qualifier is used only for TICs, where the identification is based on a mass spectral library search.
- P — Used for pesticide/PCB target analytes when there is greater than 25% difference for detected concentrations between the two GC columns.
- C — Applies to pesticide results where the identification has been confirmed by gas chromatography/mass spectrometry (GC/MS). If GC/MS confirmation was attempted but was unsuccessful, this qualifier is not applied; instead a laboratory-defined qualifier is used.
- B — Used when the compound is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and alerts the data user to take appropriate action. This qualifier is used for TICs as well as for positively identified target compounds.
- E — Identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- D — Identifies all compounds identified in an analysis at a secondary dilution factor. This qualifier alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.
- A — Indicates that a TIC was a suspected aldol-condensation product.
- X — Indicates that other specific qualifiers were required to properly define the results. If used, the qualifier must be fully described and such description must be included in the Sample Data Summary Package and SDG narrative.

Data Qualifiers for Organic Analytical Data (continued)

Validation Qualifiers

- U — Indicates that the compound was analyzed for but was not detected above the reported SQL.
- UJ — Indicates that the compound was not detected above the reported SQL. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the compound in the sample.
- J — Indicates that the compound was positively identified. The associated numerical value is the approximate concentration of the compound in the sample.
- N — The analysis indicates the presence of a compound for which there is presumptive evidence to make a "tentative identification."
- NJ — Indicates that the analysis indicates the presence of a compound that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- R — Indicates that the sample results for the compound are unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the compound cannot be verified.
- = — Indicates that the value has been validated and that the compound has been positively identified and the associated concentration value is accurate.

Data Qualifiers for Inorganic Analytical Data

Laboratory Qualifiers

- B** — Indicates that the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
- U** — Indicates that the analyte was analyzed for but not detected.
- E** — Used when the reported value was estimated because of the presence of interference.
- M** — Indicates that the duplicate injection precision was not met.
- N** — Indicates that the spiked sample recovery was not within control limits.
- S** — Indicates that the reported value was determined by the method of standard additions (MSA).
- W** — Used when the post-digestion spike for furnace atomic absorption analysis was not within control limits (85 - 115%), while sample absorbance was less than 50% of spike absorbance.
- *** — Indicates that the duplicate analysis was not within control limits.
- +** — Indicates that the correlation coefficient for the MSA was less than 0.995.

Validation Qualifiers

- U** — Indicates that the analyte was analyzed for but was not detected above the reported sample quantitation limit.
- UJ** — Indicates that the analyte was not detected above the reported SQL. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- J** — Indicates that the analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
- R** — Indicates that the sample results for the analyte are unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- =** — Indicates that the value has been validated and that the analyte has been positively identified and the associated concentration value is accurate.

Data Qualifiers for Radiochemical Analytical Data

Laboratory Qualifiers

- < — The numerical value reported was less than the MDA.
- N — The sample results were qualified to denote poor spike recovery.
- * — The sample results were qualified to denote poor duplicate results.

Validation Qualifiers

- U — Indicates that the radionuclide was analyzed for but was not detected above the reported sample quantitation limit.
- J — Indicates that the radionuclide was positively identified. The associated numerical value is the approximate concentration of the radionuclide in the sample.
- N — The analysis indicates the presence of a radionuclide for which there was presumptive evidence to make a "tentative identification."
- DL — The detection limit requirements were not met. The data quality objectives may not be met.
- UI — Indicates that there was uncertain identification for gamma spectroscopy. The radionuclide peaks are detected but fail to meet the positive identification criteria.
- R — Indicates that the sample results for the radionuclide are unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the radionuclide cannot be verified.
- = — Indicates that the value has been validated and that the radionuclide has been positively identified and the associated concentration value is accurate.

Data Qualifiers for Wet Chemistry Analytical Data

Laboratory Qualifiers

- U —** Indicates that the analyte was analyzed for but was not detected above the reported sample quantitation limit.
- J —** Indicates that the analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

Validation Qualifiers

- U —** Indicates that the analyte was analyzed for but was not detected above the reported sample quantitation limit.
- UJ —** Indicates that the analyte was not detected above the reported SQL. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- J —** Indicates that the analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
- R —** Indicates that the sample results for the analyte are unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- = —** Indicates that the value has been validated and that the analyte has been positively identified and the associated concentration value is accurate.

Laboratory Sample Type Abbreviations

REG – Regular analysis with no dilution

TIC REG – Tentatively identified compound in a regular analysis

DIL – Sample analyzed at secondary dilution factor

REA – Reanalysis

APPENDIX B

**SECOND CY 1998 SEMIANNUAL SAMPLING EVENT
(AUGUST/SEPTEMBER 1998)
CHAIN-OF-CUSTODY SHEETS AND ANALYTICAL RESULTS**

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**CHAIN-OF-CUSTODY
FORMS**

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CHAIN OF CUSTODY RECORD

COC NO.: G12A01

PROJECT NAME: SWMU-12A				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7358-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Patty Stoll																PHONE NO: (803) 556-8171	
Sampler (Signature) <i>Laura Lumley</i>																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS 9809109-01	
Sample ID	Date Collected	Time Collected	Matrix	EXPLOSIVES	METALS (12A LIST) SVOC	SVOC	SULFATE						No. of Bottles/Vials	OVA SCREENING			
127D12	8/31/98	1400	Soil	1	1								2		-01		
127C12	8/31/98	1355		1	1								2		-02		
127B12	8/31/98	1350		1	1								2		-03		
127722	8/31/98	1315		1	1								2		-04		
127812	8/31/98	1320		1	1								2		-05		
1277A12	8/31/98	1330		1	1								2		-06		
1277712	8/31/98	1315		1	1								2		-07		
122412	8/31/98	1515		1	1								2		-08		
127912	8/31/98	1325		1	1								2		-09		
122512	8/31/98	1500		1	1								2		-10		
127E12	8/31/98	1405		1	1								2		-11		
RELINQUISHED BY: <i>Laura Lumley</i>				Date/Time 9/1/98		RECEIVED BY: <i>Frank</i>		Date/Time 9/1/98		TOTAL NUMBER OF CONTAINERS: 22					Cooler Temperature: 4°C		
COMPANY NAME: SAIC				0930		COMPANY NAME: <i>SAIC</i>		1600		Cooler ID: # 296					FEDEX NUMBER:		
RECEIVED BY: <i>SAIC</i>				9/1/98		RELINQUISHED BY:											
COMPANY NAME: <i>SAIC</i>				0930		COMPANY NAME:											
RELINQUISHED BY: <i>SAIC</i>				9/1/98		RECEIVED BY:											
COMPANY NAME: <i>SAIC</i>				1600		COMPANY NAME:											

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CHAIN OF CUSTODY RECORD

COC NO.: G12A0Z

PROJECT NAME: SWMU-12A				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7358-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Patty Stoll																PHONE NO: (803) 556-8171	
Sampler (Signature) <i>Sandra Dunder</i>																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS 9809111-01/02/12 3 -03/04/12 3 -05/06/12	
Sample ID	Date Collected	Time Collected	Matrix	EXPLOSIVES	METALS (12A LIST)	FILTERED METALS (12A LIST)	SVOC	SULFATE					No. of Bottles/Vials:	OVA SCREENING			
124912	9/1/98	1110	water	Z	11 Z								6				
124512	9/1/98	1630	↓	Z	11 Z								6				
124312	9/1/98	1250	↓		11								2				
<i>SJ 9/2/98</i>																	
RELINQUISHES BY: <i>Sandra Dunder</i>				RECEIVED BY: <i>Diagnosed</i>				Date/Time 9/2/98				TOTAL NUMBER OF CONTAINERS: 14				Cooler Temperature: 40C	
COMPANY NAME: SAIC				COMPANY NAME: <i>Diagnosed</i>												FEDEX NUMBER:	
RECEIVED BY: <i>Patricia Ch...</i>				RELINQUISHED BY:				Date/Time 9/2/98								Cooler ID: # 5557	
COMPANY NAME: GEC				COMPANY NAME:													
RELINQUISHED BY: <i>Patricia Ch...</i>				RECEIVED BY:				Date/Time 9/2/98									
COMPANY NAME: GEC				COMPANY NAME:													

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CHAIN OF CUSTODY RECORD

COC NO.: G12A03

PROJECT NAME: SWMU-12A				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-0331-04-7358-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Patty Stoll																PHONE NO: (803) 556-8171	
Sampler (Signature) <i>Laura Lumley</i>																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS 980911-07 2-08/09 11/2 ✓-10/11 57.	
Sample ID	Date Collected	Time Collected	Matrix	EXPLOSIVES	METALS (12A LIST)	FLTERED METALS (12A LIST)	SVOC	SULFATE					No. of Bottles/ Vials:	OVA SCREENING			
12431Z	9/1/98	1250	water	Z			Z						4				
12422Z	9/1/98	1015	↓	Z	1 1 Z		Z						10				
12421Z	9/1/98	1010	↓		1 1 Z		Z						4				
<i>[Handwritten Signature]</i>																	
RELINQUISHED BY: <i>Laura Lumley</i>				RECEIVED BY: <i>[Signature]</i>				DATE/TIME 9/2/98				TOTAL NUMBER OF CONTAINERS: 14				Cooler Temperature: 40C	
COMPANY NAME: SATC				COMPANY NAME: <i>[Signature]</i>				DATE/TIME 0920				Cooler ID: # 5414				FEDEX NUMBER:	
RECEIVED BY: <i>[Signature]</i>				RELINQUISHED BY:				DATE/TIME 9/2/98									
COMPANY NAME: <i>[Signature]</i>				COMPANY NAME:				DATE/TIME 0920									
RELINQUISHED BY: <i>[Signature]</i>				RECEIVED BY:				DATE/TIME 9/2/98									
COMPANY NAME: <i>[Signature]</i>				COMPANY NAME:				DATE/TIME 1530									

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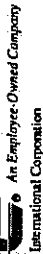
CHAIN OF CUSTODY RECORD

COC NO.: G/ZA04

B-11

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CHAIN OF CUSTODY RECORD

COC NO.: G1Z05

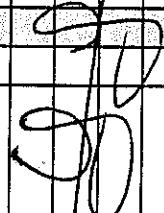
CHAIN OF CUSTODY RECORD

B-13

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CHAIN OF CUSTODY RECORD

COC NO.: **G1ZA060**

PROJECT NAME: SWMU-12A				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory					
PROJECT NUMBER: 01-0331-04-7358-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417					
PROJECT MANAGER: Patty Stoll																PHONE NO: (803) 556-8171					
Sampler (Signature) <i>Laura Humley</i>																OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS 98091530 9809154-01 9809154-02					
Sample ID	Date Collected	Time Collected	Matrix	EXPLOSIVES	METALS (12A LIST)	FILTERED METALS (12A LIST)	SVOC	SULFATE	SVOC, METALS (12A LIST)												No. of Bottles / Vials
124042	9/2/98	2000	water	2	1		2														5
124012	9/2/98	1130	water	2	1	1	2														6
122311	9/2/98	1105	Soil	1					1												2
122112	9/2/98	930	Soil	1					1												2
 9/3/98														TOTAL NUMBER OF CONTAINERS: 15		Cooler Temperature: 40C					
														Cooler ID: # 149		FEDEX NUMBER:					
														RECEIVED BY: <i>Laura Humley</i>		DATE/TIME: 9/3/98					
														COMPANY NAME: SATC		DATE/TIME: 1115					
														RECEIVED BY: <i>Laura Humley</i>		DATE/TIME: 9/3/98					
														COMPANY NAME: SATC		DATE/TIME: 1115					
														RECEIVED BY: <i>Laura Humley</i>		DATE/TIME: 9/3/98					
														COMPANY NAME: SATC		DATE/TIME: 1515					
														RECEIVED BY: <i>Laura Humley</i>		DATE/TIME: 1515					
														COMPANY NAME: SATC		DATE/TIME: 1515					

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An Employee-Owned Company
International Corporation

800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: G12A077

PROJECT NAME: SWMU-12A				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory						
PROJECT NUMBER: 01-0331-04-7358-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417						
PROJECT MANAGER: Patty Stoll																PHONE NO: (803) 556-8171						
Sampler (Signature) <i>Patty Stoll</i>				OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS <i>9809153-04/05</i> <i>9809154-03</i>																		
Sample ID	Date Collected	Time Collected	Matrix	EXPLOSIVES	METALS (12A LIST)	FILTERED METALS (12A LIST)	SVOC	SULFATE	SVOC, Metals (12A LIST)	No. of Bottles/ Vials												
124461Z	9/2/98	943	water	Z	1	1	Z			6												
123221Z	9/2/98	1043	water	Z	1		Z			5												
122221Z	9/2/98	1040	soil	1				1		Z												
<i>[Handwritten signature and date 9/3/98]</i>																Cooler Temperature: 40C						
																FEDEX NUMBER:						
																Cooler ID: # 549						
																TOTAL NUMBER OF CONTAINERS: 13						
																Date/Time: 9/3/98						
																Date/Time: 1/5/5						
																RECEIVED BY: <i>[Signature]</i>						
																COMPANY NAME: SAIL						
																Date/Time: 9/3/98						
																Date/Time: 1/5/5						
RECEIVED BY: <i>[Signature]</i>																						
COMPANY NAME: GEC																						
Date/Time: 9/3/98																						
Date/Time: 1/5/5																						
RECEIVED BY: <i>[Signature]</i>																						
COMPANY NAME: GEC																						

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ANALYTICAL RESULTS

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Location: SWMU-12A
Station: 12A-MW1 12A-MW1

124112

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 09/01/98

Sample Type	Common Anions	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Sulfate	0.816	MG/L	=		

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	27.2	UG/L	B	=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	22.6	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1140	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	.74	UG/L	U	U	
REG	Iron	47.4	UG/L		=	
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	779	UG/L		=	
REG	Manganese	26.4	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	3	UG/L	B	U	F01
REG	Potassium	218	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	2680	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	12.8	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	64.2	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	21.8	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1160	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	1.7	UG/L	B	=	
REG	Iron	346	UG/L		=	
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	808	UG/L		=	
REG	Manganese	28.6	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	11.4	UG/L		=	
REG	Potassium	220	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	2750	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	8.7	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	10.9	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.9	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.9	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.9	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.9	UG/L	U	U	
REG	2,4,5-Trichlorophenol	27.2	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.9	UG/L	U	U	
REG	2,4-Dichlorophenol	10.9	UG/L	U	U	
REG	2,4-Dimethylphenol	10.9	UG/L	U	U	
REG	2,4-Dinitrophenol	27.2	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.9	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.9	UG/L	U	U	
REG	2-Chloronaphthalene	10.9	UG/L	U	U	
REG	2-Chlorophenol	10.9	UG/L	U	U	
REG	2-Methylnaphthalene	10.9	UG/L	U	U	
REG	2-Methylphenol	10.9	UG/L	U	U	
REG	2-Nitroaniline	27.2	UG/L	U	U	
REG	2-Nitrophenol	10.9	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10.9	UG/L	U	UJ	C05
REG	3-Nitroaniline	27.2	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	27.2	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.9	UG/L	U	U	
REG	4-Chloroaniline	10.9	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.9	UG/L	U	U	
REG	4-Methylphenol	10.9	UG/L	U	U	
REG	4-Nitroaniline	27.2	UG/L	U	UJ	C05
REG	4-Nitrophenol	27.2	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.9	UG/L	U	U	
REG	Acenaphthene	10.9	UG/L	U	U	
REG	Acenaphthylene	10.9	UG/L	U	U	
REG	Anthracene	10.9	UG/L	U	U	
REG	Benzo(a)anthracene	10.9	UG/L	U	U	
REG	Benzo(a)pyrene	10.9	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.9	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.9	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.9	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.9	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.9	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.9	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.9	UG/L	U	U	
REG	Carbazole	10.9	UG/L	U	UJ	C05
REG	Chrysene	10.9	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.9	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.9	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.9	UG/L	U	U	
REG	Dibenzofuran	10.9	UG/L	U	U	
REG	Diethyl Phthalate	10.9	UG/L	U	U	
REG	Dimethyl Phthalate	10.9	UG/L	U	U	
REG	Fluoranthene	10.9	UG/L	U	U	
REG	Fluorene	10.9	UG/L	U	U	
REG	Hexachlorobenzene	10.9	UG/L	U	U	
REG	Hexachlorobutadiene	10.9	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.9	UG/L	U	U	
REG	Hexachloroethane	10.9	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.9	UG/L	U	U	
REG	Isophorone	10.9	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.9	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.9	UG/L	U	U	
REG	Naphthalene	10.9	UG/L	U	U	
REG	Nitrobenzene	10.9	UG/L	U	U	
REG	Pentachlorophenol	27.2	UG/L	U	U	
REG	Phenanthrene	10.9	UG/L	U	U	
REG	Phenol	10.9	UG/L	U	U	
REG	Pyrene	10.9	UG/L	U	U	

Location: SWMU-12A

Station: 12A-MW10 12A-MW10

124012

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 09/01/98

Sample Type	Metals	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	Aluminum	192	UG/L	=		

Location: SWMU-12A
 Station : 12A-MW10 12A-MW10

124012

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 09/01/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	36.4	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	2110	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	.95	UG/L	B	=	
REG	Copper	3.1	UG/L	B	=	
REG	Iron	202	UG/L		=	
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	1020	UG/L		=	
REG	Manganese	17.3	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	2.8	UG/L	B	U	F01
REG	Potassium	595	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	1730	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	8	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	125	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	35	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	2080	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	1	UG/L	B	=	
REG	Copper	10	UG/L		=	
REG	Iron	6.5	UG/L	B	U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	995	UG/L		=	
REG	Manganese	15.9	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	3	UG/L	B	U	F01
REG	Potassium	582	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	1620	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	9.5	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	3.4	UG/L		=	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	9.9	UG/L	U	U	
REG	1,2-Dichlorobenzene	9.9	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW10 12A-MW10

124012 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3-Dichlorobenzene	9.9	UG/L	U	U	
REG	1,4-Dichlorobenzene	9.9	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	9.9	UG/L	U	U	
REG	2,4,5-Trichlorophenol	24.8	UG/L	U	U	
REG	2,4,6-Trichlorophenol	9.9	UG/L	U	U	
REG	2,4-Dichlorophenol	9.9	UG/L	U	U	
REG	2,4-Dimethylphenol	9.9	UG/L	U	U	
REG	2,4-Dinitrophenol	24.8	UG/L	U	U	
REG	2,4-Dinitrotoluene	9.9	UG/L	U	U	
REG	2,6-Dinitrotoluene	9.9	UG/L	U	U	
REG	2-Chloronaphthalene	9.9	UG/L	U	U	
REG	2-Chlorophenol	9.9	UG/L	U	U	
REG	2-Methylnaphthalene	9.9	UG/L	U	U	
REG	2-Methylphenol	9.9	UG/L	U	U	
REG	2-Nitroaniline	24.8	UG/L	U	U	
REG	2-Nitrophenol	9.9	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	9.9	UG/L	U	UJ	C05
REG	3-Nitroaniline	24.8	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	24.8	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	9.9	UG/L	U	U	
REG	4-Chloroaniline	9.9	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	9.9	UG/L	U	U	
REG	4-Methylphenol	9.9	UG/L	U	U	
REG	4-Nitroaniline	24.8	UG/L	U	UJ	C05
REG	4-Nitrophenol	24.8	UG/L	U	U	
REG	4-chloro-3-methylphenol	9.9	UG/L	U	U	
REG	Acenaphthene	9.9	UG/L	U	U	
REG	Acenaphthylene	9.9	UG/L	U	U	
REG	Anthracene	9.9	UG/L	U	U	
REG	Benzo(a)anthracene	9.9	UG/L	U	U	
REG	Benzo(a)pyrene	9.9	UG/L	U	U	
REG	Benzo(b)fluoranthene	9.9	UG/L	U	U	
REG	Benzo(g,h,i)perylene	9.9	UG/L	U	U	
REG	Benzo(k)fluoranthene	9.9	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	9.9	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	9.9	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	9.9	UG/L	U	U	
REG	Butyl Benzyl Phthalate	9.9	UG/L	U	U	
REG	Carbazole	9.9	UG/L	U	UJ	C05
REG	Chrysene	9.9	UG/L	U	U	
REG	Di-n-butyl Phthalate	9.9	UG/L	U	U	
REG	Di-n-octyl Phthalate	9.9	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	9.9	UG/L	U	U	
REG	Dibenzofuran	9.9	UG/L	U	U	
REG	Diethyl Phthalate	9.9	UG/L	U	U	
REG	Dimethyl Phthalate	9.9	UG/L	U	U	
REG	Fluoranthene	9.9	UG/L	U	U	
REG	Fluorene	9.9	UG/L	U	U	
REG	Hexachlorobenzene	9.9	UG/L	U	U	
REG	Hexachlorobutadiene	9.9	UG/L	U	U	
REG	Hexachlorocyclopentadiene	9.9	UG/L	U	U	
REG	Hexachloroethane	9.9	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	9.9	UG/L	U	U	
REG	Isophorone	9.9	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	9.9	UG/L	U	U	
REG	N-Nitrosodiphenylamine	9.9	UG/L	U	U	
REG	Naphthalene	9.9	UG/L	U	U	
REG	Nitrobenzene	9.9	UG/L	U	U	
REG	Pentachlorophenol	24.8	UG/L	U	U	
REG	Phenanthrene	9.9	UG/L	U	U	
REG	Phenol	9.9	UG/L	U	U	
REG	Pyrene	9.9	UG/L	U	U	

124042 0.0 - 0.0 FT Field Sample Type: Equipment Rinsate Matrix: Quality Control Collected: 09/02/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12.4	UG/L	U	U	
REG	Antimony	2.5	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW10 12A-MW10

124042 0.0 - 0.0 FT Field Sample Type: Equipment Rinsate Matrix: Quality Control Collected: 09/02/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Arsenic	3	UG/L	U	U	
REG	Barium	0.8	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	34.8	UG/L	B	U	F01
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	.74	UG/L	U	U	
REG	Iron	4.4	UG/L	B	U	F01
REG	Lead	1.8	UG/L	B	J	
REG	Magnesium	8.8	UG/L	U	U	
REG	Manganese	.4	UG/L	B	U	F01
REG	Mercury	0.11	UG/L	B	J	P01
REG	Nickel	1.1	UG/L	B	U	F01
REG	Potassium	23.2	UG/L	U	U	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	41.4	UG/L	B	U	F01
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	2.6	UG/L	U	U	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	11.4	UG/L	U	U	
REG	1,2-Dichlorobenzene	11.4	UG/L	U	U	
REG	1,3-Dichlorobenzene	11.4	UG/L	U	U	
REG	1,4-Dichlorobenzene	11.4	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	11.4	UG/L	U	U	
REG	2,4,5-Trichlorophenol	28.4	UG/L	U	U	
REG	2,4,6-Trichlorophenol	11.4	UG/L	U	U	
REG	2,4-Dichlorophenol	11.4	UG/L	U	U	
REG	2,4-Dimethylphenol	11.4	UG/L	U	U	
REG	2,4-Dinitrophenol	28.4	UG/L	U	U	
REG	2,4-Dinitrotoluene	11.4	UG/L	U	U	
REG	2,6-Dinitrotoluene	11.4	UG/L	U	U	
REG	2-Chloronaphthalene	11.4	UG/L	U	U	
REG	2-Chlorophenol	11.4	UG/L	U	U	
REG	2-Methylnaphthalene	11.4	UG/L	U	U	
REG	2-Methylphenol	11.4	UG/L	U	U	
REG	2-Nitroaniline	28.4	UG/L	U	U	
REG	2-Nitrophenol	11.4	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	11.4	UG/L	U	UJ	C05
REG	3-Nitroaniline	28.4	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	28.4	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	11.4	UG/L	U	U	
REG	4-Chloroaniline	11.4	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	11.4	UG/L	U	U	
REG	4-Methylphenol	11.4	UG/L	U	U	
REG	4-Nitroaniline	28.4	UG/L	U	U	
REG	4-Nitrophenol	28.4	UG/L	U	U	
REG	4-chloro-3-methylphenol	11.4	UG/L	U	U	
REG	Acenaphthene	11.4	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW10 12A-MW10

124042 0.0 - 0.0 FT Field Sample Type: Equipment Rinsate Matrix: Quality Control Collected: 09/02/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Acenaphthylene	11.4	UG/L	U	U	
REG	Anthracene	11.4	UG/L	U	U	
REG	Benzo(a)anthracene	11.4	UG/L	U	U	
REG	Benzo(a)pyrene	11.4	UG/L	U	U	
REG	Benzo(b)fluoranthene	11.4	UG/L	U	U	
REG	Benzo(g,h,i)perylene	11.4	UG/L	U	U	
REG	Benzo(k)fluoranthene	11.4	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	11.4	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	11.4	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	19.1	UG/L	J		C05
REG	Butyl Benzyl Phthalate	11.4	UG/L	U	U	
REG	Carbazole	11.4	UG/L	U	UJ	C05
REG	Chrysene	11.4	UG/L	U	U	
REG	Di-n-butyl Phthalate	11.4	UG/L	U	U	
REG	Di-n-octyl Phthalate	11.4	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	11.4	UG/L	U	U	
REG	Dibenzofuran	11.4	UG/L	U	U	
REG	Diethyl Phthalate	11.4	UG/L	U	U	
REG	Dimethyl Phthalate	11.4	UG/L	U	U	
REG	Fluoranthene	11.4	UG/L	U	U	
REG	Fluorene	11.4	UG/L	U	U	
REG	Hexachlorobenzene	11.4	UG/L	U	U	
REG	Hexachlorobutadiene	11.4	UG/L	U	U	
REG	Hexachlorocyclopentadiene	11.4	UG/L	U	U	
REG	Hexachloroethane	11.4	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	11.4	UG/L	U	U	
REG	Isophorone	11.4	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	11.4	UG/L	U	U	
REG	N-Nitrosodiphenylamine	11.4	UG/L	U	U	
REG	Naphthalene	11.4	UG/L	U	U	
REG	Nitrobenzene	11.4	UG/L	U	U	
REG	Pentachlorophenol	28.4	UG/L	U	U	
REG	Phenanthrene	11.4	UG/L	U	U	
REG	Phenol	11.4	UG/L	U	U	
REG	Pyrene	11.4	UG/L	U	U	
TIC REG	10.10 OIL AND GREASE	10.1	UG/L	NJ		
TIC REG	15.90 OIL AND GREASE	15.9	UG/L	J		

Location: SWMU-12A
Station : 12A-MW2 12A-MW2

124212 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	17.8	UG/L	B	=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	15.5	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	709	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	2	UG/L	B	=	
REG	Copper	.74	UG/L	U	U	
REG	Iron	7.5	UG/L	B	U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	477	UG/L		=	
REG	Manganese	44.4	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.2	UG/L	B	U	F01
REG	Potassium	489	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	1830	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	3.5	UG/L	B	=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	17.5	UG/L	B	=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	15.4	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	703	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	1.5	UG/L	B	=	
REG	Copper	.74	UG/L	U	U	
REG	Iron	2.5	UG/L	U	U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	474	UG/L		=	
REG	Manganese	45.2	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	2.1	UG/L	B	U	F01
REG	Potassium	479	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	1860	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	5.8	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	1,2,4-Trichlorobenzene	9.9	UG/L	U	UJ	A01
REA	1,2-Dichlorobenzene	9.9	UG/L	U	UJ	A01
REA	1,3-Dichlorobenzene	9.9	UG/L	U	UJ	A01
REA	1,4-Dichlorobenzene	9.9	UG/L	U	UJ	A01
REA	2,2'-oxybis (1-chloropropane)	9.9	UG/L	U	UJ	A01
REA	2,4,5-Trichlorophenol	24.8	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	9.9	UG/L	U	UJ	A01
REA	2,4-Dichlorophenol	9.9	UG/L	U	UJ	A01
REA	2,4-Dimethylphenol	9.9	UG/L	U	UJ	A01
REA	2,4-Dinitrophenol	24.8	UG/L	U	UJ	A01
REA	2,4-Dinitrotoluene	9.9	UG/L	U	UJ	A01
REA	2,6-Dinitrotoluene	9.9	UG/L	U	UJ	A01
REA	2-Chloronaphthalene	9.9	UG/L	U	UJ	A01
REA	2-Chlorophenol	9.9	UG/L	U	UJ	A01
REA	2-Methylnaphthalene	9.9	UG/L	U	UJ	A01
REA	2-Methylphenol	9.9	UG/L	U	UJ	A01
REA	2-Nitroaniline	24.8	UG/L	U	UJ	A01
REA	2-Nitrophenol	9.9	UG/L	U	UJ	A01
REA	3,3'-Dichlorobenzidine	9.9	UG/L	U	UJ	A01,C05
REA	3-Nitroaniline	24.8	UG/L	U	UJ	A01
REA	4,6-Dinitro-o-Cresol	24.8	UG/L	U	UJ	A01
REA	4-Bromophenyl-phenyl Ether	9.9	UG/L	U	UJ	A01
REA	4-Chloroaniline	9.9	UG/L	U	UJ	A01
REA	4-Chlorophenyl-phenylether	9.9	UG/L	U	UJ	A01
REA	4-Methylphenol	9.9	UG/L	U	UJ	A01
REA	4-Nitroaniline	24.8	UG/L	U	UJ	A01
REA	4-Nitrophenol	24.8	UG/L	U	UJ	A01
REA	4-chloro-3-methylphenol	9.9	UG/L	U	UJ	A01
REA	Acenaphthene	9.9	UG/L	U	UJ	A01
REA	Acenaphthylene	9.9	UG/L	U	UJ	A01
REA	Anthracene	9.9	UG/L	U	UJ	A01
REA	Benzo(a)anthracene	9.9	UG/L	U	UJ	A01

Location: SWMU-12A
Station: 12A-MW2 12A-MW2

124212 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	Benzo(a)pyrene	9.9	UG/L	U	UJ	A01
REA	Benzo(b)fluoranthene	9.9	UG/L	U	UJ	A01
REA	Benzo(g,h,i)perylene	9.9	UG/L	U	UJ	A01
REA	Benzo(k)fluoranthene	9.9	UG/L	U	UJ	A01
REA	Bis(2-chloroethoxy)methane	9.9	UG/L	U	UJ	A01
REA	Bis(2-chloroethyl)ether	9.9	UG/L	U	UJ	A01
REA	Bis(2-ethylhexyl)phthalate	16.2	UG/L		=	
REA	Butyl Benzyl Phthalate	9.9	UG/L	U	UJ	A01
REA	Carbazole	9.9	UG/L	U	UJ	A01
REA	Chrysene	9.9	UG/L	U	UJ	A01
REA	Di-n-butyl Phthalate	9.9	UG/L	U	UJ	A01
REA	Di-n-octyl Phthalate	9.9	UG/L	U	UJ	A01
REA	Dibenzo(a,h)anthracene	9.9	UG/L	U	UJ	A01
REA	Dibenzofuran	9.9	UG/L	U	UJ	A01
REA	Diethyl Phthalate	9.9	UG/L	U	UJ	A01
REA	Dimethyl Phthalate	9.9	UG/L	U	UJ	A01
REA	Fluoranthene	9.9	UG/L	U	UJ	A01
REA	Fluorene	9.9	UG/L	U	UJ	A01
REA	Hexachlorobenzene	9.9	UG/L	U	UJ	A01
REA	Hexachlorobutadiene	9.9	UG/L	U	UJ	A01
REA	Hexachlorocyclopentadiene	9.9	UG/L	U	UJ	A01
REA	Hexachloroethane	9.9	UG/L	U	UJ	A01
REA	Indeno(1,2,3-cd)pyrene	9.9	UG/L	U	UJ	A01
REA	Isophorone	9.9	UG/L	U	UJ	A01
REA	N-Nitroso-di-n-propylamine	9.9	UG/L	U	UJ	A01
REA	N-Nitrosodiphenylamine	9.9	UG/L	U	UJ	A01
REA	Naphthalene	9.9	UG/L	U	UJ	A01
REA	Nitrobenzene	9.9	UG/L	U	UJ	A01
REA	Pentachlorophenol	24.8	UG/L	U	UJ	A01
REA	Phenanthrene	9.9	UG/L	U	UJ	A01
REA	Phenol	9.9	UG/L	U	UJ	A01
REA	Pyrene	9.9	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	9.9	UG/L	U	U	
REG	1,2-Dichlorobenzene	9.9	UG/L	U	U	
REG	1,3-Dichlorobenzene	9.9	UG/L	U	U	
REG	1,4-Dichlorobenzene	9.9	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	9.9	UG/L	U	U	
REG	2,4,5-Trichlorophenol	24.8	UG/L	U	U	
REG	2,4,6-Trichlorophenol	9.9	UG/L	U	U	
REG	2,4-Dichlorophenol	9.9	UG/L	U	U	
REG	2,4-Dimethylphenol	9.9	UG/L	U	U	
REG	2,4-Dinitrophenol	24.8	UG/L	U	U	
REG	2,4-Dinitrotoluene	9.9	UG/L	U	U	
REG	2,6-Dinitrotoluene	9.9	UG/L	U	U	
REG	2-Chloronaphthalene	9.9	UG/L	U	U	
REG	2-Chlorophenol	9.9	UG/L	U	U	
REG	2-Methylnaphthalene	9.9	UG/L	U	U	
REG	2-Methylphenol	9.9	UG/L	U	U	
REG	2-Nitroaniline	24.8	UG/L	U	U	
REG	2-Nitrophenol	9.9	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	9.9	UG/L	U	UJ	C05
REG	3-Nitroaniline	24.8	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	24.8	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	9.9	UG/L	U	U	
REG	4-Chloroaniline	9.9	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	9.9	UG/L	U	U	
REG	4-Methylphenol	9.9	UG/L	U	U	
REG	4-Nitroaniline	24.8	UG/L	U	UJ	C05
REG	4-Nitrophenol	24.8	UG/L	U	U	
REG	4-chloro-3-methylphenol	9.9	UG/L	U	U	
REG	Acenaphthene	9.9	UG/L	U	U	
REG	Acenaphthylene	9.9	UG/L	U	U	
REG	Anthracene	9.9	UG/L	U	U	
REG	Benzo(a)anthracene	9.9	UG/L	U	U	
REG	Benzo(a)pyrene	9.9	UG/L	U	U	
REG	Benzo(b)fluoranthene	9.9	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW2 12A-MW2

124212 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Benzo(g,h,i)perylene	9.9	UG/L	U	U	
REG	Benzo(k)fluoranthene	9.9	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	9.9	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	9.9	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	17.7	UG/L		J	C05
REG	Butyl Benzyl Phthalate	9.9	UG/L	U	U	
REG	Carbazole	9.9	UG/L	U	UJ	C05
REG	Chrysene	9.9	UG/L	U	U	
REG	Di-n-butyl Phthalate	9.9	UG/L	U	U	
REG	Di-n-octyl Phthalate	9.9	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	9.9	UG/L	U	U	
REG	Dibenzofuran	9.9	UG/L	U	U	
REG	Diethyl Phthalate	9.9	UG/L	U	U	
REG	Dimethyl Phthalate	9.9	UG/L	U	U	
REG	Fluoranthene	9.9	UG/L	U	U	
REG	Fluorene	9.9	UG/L	U	U	
REG	Hexachlorobenzene	9.9	UG/L	U	U	
REG	Hexachlorobutadiene	9.9	UG/L	U	U	
REG	Hexachlorocyclopentadiene	9.9	UG/L	U	U	
REG	Hexachloroethane	9.9	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	9.9	UG/L	U	U	
REG	Isophorone	9.9	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	9.9	UG/L	U	U	
REG	N-Nitrosodiphenylamine	9.9	UG/L	U	U	
REG	Naphthalene	9.9	UG/L	U	U	
REG	Nitrobenzene	9.9	UG/L	U	U	
REG	Pentachlorophenol	24.8	UG/L	U	U	
REG	Phenanthrene	9.9	UG/L	U	U	
REG	Phenol	9.9	UG/L	U	U	
REG	Pyrene	9.9	UG/L	U	U	

124222 0.0 - 0.0 FT Field Sample Type: Field Duplicate Matrix: Groundwater Collected: 09/01/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	22.8	UG/L	B	=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	15.8	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	640	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	1.5	UG/L	B	=	
REG	Copper	7.8	UG/L		=	
REG	Iron	4.1	UG/L	B	U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	438	UG/L		=	
REG	Manganese	41.6	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.4	UG/L	B	U	F01
REG	Potassium	474	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	1780	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	2.6	UG/L	U	U	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	21.7	UG/L	B	=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	15.7	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	654	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	

Location: SWMU-12A

Station: 12A-MW2 12A-MW2

124222

0.0 - 0.0 FT

Field Sample Type: Field Duplicate

Matrix: Groundwater

Collected: 09/01/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Cobalt	1.6	UG/L	B	=	
REG	Copper	6.8	UG/L		=	
REG	Iron	2.5	UG/L	U	U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	441	UG/L		=	
REG	Manganese	44.5	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.2	UG/L	B	U	F01
REG	Potassium	480	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	1870	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	2.6	UG/L	B	=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	1,2,4-Trichlorobenzene	9.9	UG/L	U	UJ	A01
REA	1,2-Dichlorobenzene	9.9	UG/L	U	UJ	A01
REA	1,3-Dichlorobenzene	9.9	UG/L	U	UJ	A01
REA	1,4-Dichlorobenzene	9.9	UG/L	U	UJ	A01
REA	2,2'-oxybis (1-chloropropane)	9.9	UG/L	U	UJ	A01
REA	2,4,5-Trichlorophenol	24.8	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	9.9	UG/L	U	UJ	A01
REA	2,4-Dichlorophenol	9.9	UG/L	U	UJ	A01
REA	2,4-Dimethylphenol	9.9	UG/L	U	UJ	A01
REA	2,4-Dinitrophenol	24.8	UG/L	U	UJ	A01
REA	2,4-Dinitrotoluene	9.9	UG/L	U	UJ	A01
REA	2,6-Dinitrotoluene	9.9	UG/L	U	UJ	A01
REA	2-Chloronaphthalene	9.9	UG/L	U	UJ	A01
REA	2-Chlorophenol	9.9	UG/L	U	UJ	A01
REA	2-Methylnaphthalene	9.9	UG/L	U	UJ	A01
REA	2-Methylphenol	9.9	UG/L	U	UJ	A01
REA	2-Nitroaniline	24.8	UG/L	U	UJ	A01
REA	2-Nitrophenol	9.9	UG/L	U	UJ	A01
REA	3,3'-Dichlorobenzidine	9.9	UG/L	U	UJ	A01,C05
REA	3-Nitroaniline	24.8	UG/L	U	UJ	A01
REA	4,6-Dinitro-o-Cresol	24.8	UG/L	U	UJ	A01
REA	4-Bromophenyl-phenyl Ether	9.9	UG/L	U	UJ	A01
REA	4-Chloroaniline	9.9	UG/L	U	UJ	A01
REA	4-Chlorophenyl-phenylether	9.9	UG/L	U	UJ	A01
REA	4-Methylphenol	9.9	UG/L	U	UJ	A01
REA	4-Nitroaniline	24.8	UG/L	U	UJ	A01
REA	4-Nitrophenol	24.8	UG/L	U	UJ	A01
REA	4-chloro-3-methylphenol	9.9	UG/L	U	UJ	A01
REA	Acenaphthene	9.9	UG/L	U	UJ	A01
REA	Acenaphthylene	9.9	UG/L	U	UJ	A01
REA	Anthracene	9.9	UG/L	U	UJ	A01
REA	Benzo(a)anthracene	9.9	UG/L	U	UJ	A01
REA	Benzo(a)pyrene	9.9	UG/L	U	UJ	A01
REA	Benzo(b)fluoranthene	9.9	UG/L	U	UJ	A01
REA	Benzo(g,h,i)perylene	9.9	UG/L	U	UJ	A01

Location: SWMU-12A
Station : 12A-MW2 12A-MW2

124222 0.0 - 0.0 FT Field Sample Type: Field Duplicate Matrix: Groundwater Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	Benzo(k)fluoranthene	9.9	UG/L	U	UJ	A01
REA	Bis(2-chloroethoxy)methane	9.9	UG/L	U	UJ	A01
REA	Bis(2-chloroethyl)ether	9.9	UG/L	U	UJ	A01
REA	Bis(2-ethylhexyl)phthalate	5.6	UG/L	J		A01
REA	Butyl Benzyl Phthalate	9.9	UG/L	U	UJ	A01
REA	Carbazole	9.9	UG/L	U	UJ	A01
REA	Chrysene	9.9	UG/L	U	U	A01
REA	Di-n-butyl Phthalate	9.9	UG/L	U	UJ	A01
REA	Di-n-octyl Phthalate	9.9	UG/L	U	UJ	A01
REA	Dibenzo(a,h)anthracene	9.9	UG/L	U	UJ	A01
REA	Dibenzofuran	9.9	UG/L	U	UJ	A01
REA	Diethyl Phthalate	9.9	UG/L	U	UJ	A01
REA	Dimethyl Phthalate	9.9	UG/L	U	UJ	A01
REA	Fluoranthene	9.9	UG/L	U	UJ	A01
REA	Fluorene	9.9	UG/L	U	UJ	A01
REA	Hexachlorobenzene	9.9	UG/L	U	UJ	A01
REA	Hexachlorobutadiene	9.9	UG/L	U	UJ	A01
REA	Hexachlorocyclopentadiene	9.9	UG/L	U	UJ	A01
REA	Hexachloroethane	9.9	UG/L	U	UJ	A01
REA	Indeno(1,2,3-cd)pyrene	9.9	UG/L	U	UJ	A01
REA	Isophorone	9.9	UG/L	U	UJ	A01
REA	N-Nitroso-di-n-propylamine	9.9	UG/L	U	UJ	A01
REA	N-Nitrosodiphenylamine	9.9	UG/L	U	UJ	A01
REA	Naphthalene	9.9	UG/L	U	UJ	A01
REA	Nitrobenzene	9.9	UG/L	U	UJ	A01
REA	Pentachlorophenol	24.8	UG/L	U	UJ	A01
REA	Phenanthrene	9.9	UG/L	U	UJ	A01
REA	Phenol	9.9	UG/L	U	UJ	A01
REA	Pyrene	9.9	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	9.9	UG/L	U	U	
REG	1,2-Dichlorobenzene	9.9	UG/L	U	U	
REG	1,3-Dichlorobenzene	9.9	UG/L	U	U	
REG	1,4-Dichlorobenzene	9.9	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	9.9	UG/L	U	U	
REG	2,4,5-Trichlorophenol	24.8	UG/L	U	U	
REG	2,4,6-Trichlorophenol	9.9	UG/L	U	U	
REG	2,4-Dichlorophenol	9.9	UG/L	U	U	
REG	2,4-Dimethylphenol	9.9	UG/L	U	U	
REG	2,4-Dinitrophenol	24.8	UG/L	U	U	
REG	2,4-Dinitrotoluene	9.9	UG/L	U	U	
REG	2,6-Dinitrotoluene	9.9	UG/L	U	U	
REG	2-Chloronaphthalene	9.9	UG/L	U	U	
REG	2-Chlorophenol	9.9	UG/L	U	U	
REG	2-Methylnaphthalene	9.9	UG/L	U	U	
REG	2-Methylphenol	9.9	UG/L	U	U	
REG	2-Nitroaniline	24.8	UG/L	U	U	
REG	2-Nitrophenol	9.9	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	9.9	UG/L	U	UJ	C05
REG	3-Nitroaniline	24.8	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	24.8	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	9.9	UG/L	U	U	
REG	4-Chloroaniline	9.9	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	9.9	UG/L	U	U	
REG	4-Methylphenol	9.9	UG/L	U	U	
REG	4-Nitroaniline	24.8	UG/L	U	UJ	C05
REG	4-Nitrophenol	24.8	UG/L	U	U	
REG	4-chloro-3-methylphenol	9.9	UG/L	U	U	
REG	Acenaphthene	9.9	UG/L	U	U	
REG	Acenaphthylene	9.9	UG/L	U	U	
REG	Anthracene	9.9	UG/L	U	U	
REG	Benzo(a)anthracene	9.9	UG/L	U	U	
REG	Benzo(a)pyrene	9.9	UG/L	U	U	
REG	Benzo(b)fluoranthene	9.9	UG/L	U	U	
REG	Benzo(g,h,i)perylene	9.9	UG/L	U	U	
REG	Benzo(k)fluoranthene	9.9	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	9.9	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW2 12A-MW2

124222 0.0 - 0.0 FT Field Sample Type: Field Duplicate Matrix: Groundwater Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Bis(2-chloroethyl)ether	9.9	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	6.6	UG/L	J	J	C05
REG	Butyl Benzyl Phthalate	9.9	UG/L	U	U	
REG	Carbazole	9.9	UG/L	U	UJ	C05
REG	Chrysene	9.9	UG/L	U	U	
REG	Di-n-butyl Phthalate	9.9	UG/L	U	U	
REG	Di-n-octyl Phthalate	9.9	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	9.9	UG/L	U	U	
REG	Dibenzofuran	9.9	UG/L	U	U	
REG	Diethyl Phthalate	9.9	UG/L	U	U	
REG	Dimethyl Phthalate	9.9	UG/L	U	U	
REG	Fluoranthene	9.9	UG/L	U	U	
REG	Fluorene	9.9	UG/L	U	U	
REG	Hexachlorobenzene	9.9	UG/L	U	U	
REG	Hexachlorobutadiene	9.9	UG/L	U	U	
REG	Hexachlorocyclopentadiene	9.9	UG/L	U	U	
REG	Hexachloroethane	9.9	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	9.9	UG/L	U	U	
REG	Isophorone	9.9	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	9.9	UG/L	U	U	
REG	N-Nitrosodiphenylamine	9.9	UG/L	U	U	
REG	Naphthalene	9.9	UG/L	U	U	
REG	Nitrobenzene	9.9	UG/L	U	U	
REG	Pentachlorophenol	24.8	UG/L	U	U	
REG	Phenanthrene	9.9	UG/L	U	U	
REG	Phenol	9.9	UG/L	U	U	
REG	Pyrene	9.9	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW3 12A-MW3

124312 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	85.9	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	47.5	UG/L	B	J	
REG	Beryllium	.15	UG/L	B	U	F01
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	3710	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	12.7	UG/L		=	
REG	Copper	1.9	UG/L	B	=	
REG	Iron	98.2	UG/L		=	
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	1850	UG/L		=	
REG	Manganese	199	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	12.7	UG/L		=	
REG	Potassium	1330	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	5920	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	26.8	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	98	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	43.7	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	3440	UG/L		=	

Location: SWMU-12A
Station : 12A-MW3 12A-MW3

124312

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 09/01/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	11.9	UG/L		=	
REG	Copper	4.1	UG/L	B	=	
REG	Iron	82.4	UG/L		=	
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	1720	UG/L		=	
REG	Manganese	182	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	10.8	UG/L		=	
REG	Potassium	1250	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	5040	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	21.1	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10	UG/L	U	U	
REG	1,2-Dichlorobenzene	10	UG/L	U	U	
REG	1,3-Dichlorobenzene	10	UG/L	U	U	
REG	1,4-Dichlorobenzene	10	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10	UG/L	U	U	
REG	2,4-Dichlorophenol	10	UG/L	U	U	
REG	2,4-Dimethylphenol	10	UG/L	U	U	
REG	2,4-Dinitrophenol	25	UG/L	U	U	
REG	2,4-Dinitrotoluene	10	UG/L	U	U	
REG	2,6-Dinitrotoluene	10	UG/L	U	U	
REG	2-Chloronaphthalene	10	UG/L	U	U	
REG	2-Chlorophenol	10	UG/L	U	U	
REG	2-Methylnaphthalene	10	UG/L	U	U	
REG	2-Methylphenol	10	UG/L	U	U	
REG	2-Nitroaniline	25	UG/L	U	U	
REG	2-Nitrophenol	10	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10	UG/L	U	UJ	C05
REG	3-Nitroaniline	25	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	25	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10	UG/L	U	U	
REG	4-Chloroaniline	10	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10	UG/L	U	U	
REG	4-Methylphenol	10	UG/L	U	U	
REG	4-Nitroaniline	25	UG/L	U	UJ	C05
REG	4-Nitrophenol	25	UG/L	U	U	
REG	4-chloro-3-methylphenol	10	UG/L	U	U	
REG	Acenaphthene	10	UG/L	U	U	
REG	Acenaphthylene	10	UG/L	U	U	
REG	Anthracene	10	UG/L	U	U	
REG	Benzo(a)anthracene	10	UG/L	U	U	
REG	Benzo(a)pyrene	10	UG/L	U	U	
REG	Benzo(b)fluoranthene	10	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW3 12A-MW3

124312 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Benzo(g,h,i)perylene	10	UG/L	U	U	
REG	Benzo(k)fluoranthene	10	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	6.2	UG/L	J	J	C05
REG	Butyl Benzyl Phthalate	10	UG/L	U	U	
REG	Carbazole	10	UG/L	U	UJ	C05
REG	Chrysene	10	UG/L	U	U	
REG	Di-n-butyl Phthalate	10	UG/L	U	U	
REG	Di-n-octyl Phthalate	10	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10	UG/L	U	U	
REG	Dibenzofuran	10	UG/L	U	U	
REG	Diethyl Phthalate	10	UG/L	U	U	
REG	Dimethyl Phthalate	10	UG/L	U	U	
REG	Fluoranthene	10	UG/L	U	U	
REG	Fluorene	10	UG/L	U	U	
REG	Hexachlorobenzene	10	UG/L	U	U	
REG	Hexachlorobutadiene	10	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10	UG/L	U	U	
REG	Hexachloroethane	10	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10	UG/L	U	U	
REG	Isophorone	10	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10	UG/L	U	U	
REG	Naphthalene	10	UG/L	U	U	
REG	Nitrobenzene	10	UG/L	U	U	
REG	Pentachlorophenol	25	UG/L	U	U	
REG	Phenanthrene	10	UG/L	U	U	
REG	Phenol	10	UG/L	U	U	
REG	Pyrene	10	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW4 12A-MW4

124412 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	49.2	UG/L	B	=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	24.4	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1560	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	1.9	UG/L	B	=	
REG	Copper	5.4	UG/L		=	
REG	Iron	27.2	UG/L		U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	678	UG/L		=	
REG	Manganese	21.2	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	5.3	UG/L	B	U	F01
REG	Potassium	455	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	2140	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	9.6	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	39.3	UG/L	B	=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	24.3	UG/L	B	J	

Location: SWMU-12A
Station : 12A-MW4 12A-MW4

124412 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1530	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	1.9	UG/L	B	=	
REG	Copper	.74	UG/L	U	=	
REG	Iron	13.5	UG/L		U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	675	UG/L		=	
REG	Manganese	20.8	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	4.4	UG/L	B	U	F01
REG	Potassium	456	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	2110	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	10	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	1,2,4-Trichlorobenzene	11.5	UG/L	U	UJ	A01
REA	1,2-Dichlorobenzene	11.5	UG/L	U	UJ	A01
REA	1,3-Dichlorobenzene	11.5	UG/L	U	UJ	A01
REA	1,4-Dichlorobenzene	11.5	UG/L	U	UJ	A01
REA	2,2'-oxybis (1-chloropropane)	11.5	UG/L	U	UJ	A01
REA	2,4,5-Trichlorophenol	28.7	UG/L	U	UJ	A01
REA	2,4,6-Trichlorophenol	11.5	UG/L	U	UJ	A01
REA	2,4-Dichlorophenol	11.5	UG/L	U	UJ	A01
REA	2,4-Dimethylphenol	11.5	UG/L	U	UJ	A01
REA	2,4-Dinitrophenol	28.7	UG/L	U	UJ	A01
REA	2,4-Dinitrotoluene	11.5	UG/L	U	UJ	A01
REA	2,6-Dinitrotoluene	11.5	UG/L	U	UJ	A01
REA	2-Chloronaphthalene	11.5	UG/L	U	UJ	A01
REA	2-Chlorophenol	11.5	UG/L	U	UJ	A01
REA	2-Methylnaphthalene	11.5	UG/L	U	UJ	A01
REA	2-Methylphenol	11.5	UG/L	U	UJ	A01
REA	2-Nitroaniline	28.7	UG/L	U	UJ	A01
REA	2-Nitrophenol	11.5	UG/L	U	UJ	A01
REA	3,3'-Dichlorobenzidine	11.5	UG/L	U	UJ	A01,C05
REA	3-Nitroaniline	28.7	UG/L	U	UJ	A01
REA	4,6-Dinitro-o-Cresol	28.7	UG/L	U	UJ	A01
REA	4-Bromophenyl-phenyl Ether	11.5	UG/L	U	UJ	A01
REA	4-Chloroaniline	11.5	UG/L	U	UJ	A01
REA	4-Chlorophenyl-phenylether	11.5	UG/L	U	UJ	A01
REA	4-Methylphenol	11.5	UG/L	U	UJ	A01
REA	4-Nitroaniline	11.5	UG/L	U	UJ	A01
REA	4-Nitrophenol	28.7	UG/L	U	UJ	A01
REA	4-chloro-3-methylphenol	11.5	UG/L	U	UJ	A01
REA	Acenaphthene	11.5	UG/L	U	UJ	A01
REA	Acenaphthylene	11.5	UG/L	U	UJ	A01
REA	Anthracene	11.5	UG/L	U	UJ	A01

Location: SWMU-12A

Station: 12A-MW4 12A-MW4

124412

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REA	Benzo(a)anthracene	11.5	UG/L	U	UJ	A01
REA	Benzo(a)pyrene	11.5	UG/L	U	UJ	A01
REA	Benzo(b)fluoranthene	11.5	UG/L	U	UJ	A01
REA	Benzo(g,h,i)perylene	11.5	UG/L	U	UJ	A01
REA	Benzo(k)fluoranthene	11.5	UG/L	U	UJ	A01
REA	Bis(2-chloroethoxy)methane	11.5	UG/L	U	UJ	A01
REA	Bis(2-chloroethyl)ether	11.5	UG/L	U	UJ	A01
REA	Bis(2-ethylhexyl)phthalate	11.5	UG/L	U	UJ	A01
REA	Butyl Benzyl Phthalate	11.5	UG/L	U	UJ	A01
REA	Carbazole	11.5	UG/L	U	UJ	A01
REA	Chrysene	11.5	UG/L	U	UJ	A01
REA	Di-n-butyl Phthalate	11.5	UG/L	U	UJ	A01
REA	Di-n-octyl Phthalate	11.5	UG/L	U	UJ	A01
REA	Dibenzo(a,h)anthracene	11.5	UG/L	U	UJ	A01
REA	Dibenzofuran	11.5	UG/L	U	UJ	A01
REA	Diethyl Phthalate	11.5	UG/L	U	UJ	A01
REA	Dimethyl Phthalate	11.5	UG/L	U	UJ	A01
REA	Fluoranthene	11.5	UG/L	U	UJ	A01
REA	Fluorene	11.5	UG/L	U	UJ	A01
REA	Hexachlorobenzene	11.5	UG/L	U	UJ	A01
REA	Hexachlorobutadiene	11.5	UG/L	U	UJ	A01
REA	Hexachlorocyclopentadiene	11.5	UG/L	U	UJ	A01
REA	Hexachloroethane	11.5	UG/L	U	UJ	A01
REA	Indeno(1,2,3-cd)pyrene	11.5	UG/L	U	UJ	A01
REA	Isophorone	11.5	UG/L	U	UJ	A01
REA	N-Nitroso-di-n-propylamine	11.5	UG/L	U	UJ	A01
REA	N-Nitrosodiphenylamine	11.5	UG/L	U	UJ	A01
REA	Naphthalene	11.5	UG/L	U	UJ	A01
REA	Nitrobenzene	11.5	UG/L	U	UJ	A01
REA	Pentachlorophenol	28.7	UG/L	U	UJ	A01
REA	Phenanthrene	11.5	UG/L	U	UJ	A01
REA	Phenol	11.5	UG/L	U	UJ	A01
REA	Pyrene	11.5	UG/L	U	UJ	A01

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	11.6	UG/L	U	U	
REG	1,2-Dichlorobenzene	11.6	UG/L	U	U	
REG	1,3-Dichlorobenzene	11.6	UG/L	U	U	
REG	1,4-Dichlorobenzene	11.6	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	11.6	UG/L	U	U	
REG	2,4,5-Trichlorophenol	29.1	UG/L	U	U	
REG	2,4,6-Trichlorophenol	11.6	UG/L	U	U	
REG	2,4-Dichlorophenol	11.6	UG/L	U	U	
REG	2,4-Dimethylphenol	11.6	UG/L	U	U	
REG	2,4-Dinitrophenol	29.1	UG/L	U	U	
REG	2,4-Dinitrotoluene	11.6	UG/L	U	U	
REG	2,6-Dinitrotoluene	11.6	UG/L	U	U	
REG	2-Chloronaphthalene	11.6	UG/L	U	U	
REG	2-Chlorophenol	11.6	UG/L	U	U	
REG	2-Methylnaphthalene	11.6	UG/L	U	U	
REG	2-Methylphenol	11.6	UG/L	U	U	
REG	2-Nitroaniline	29.1	UG/L	U	U	
REG	2-Nitrophenol	11.6	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	11.6	UG/L	U	UJ	C05
REG	3-Nitroaniline	29.1	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	29.1	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	11.6	UG/L	U	U	
REG	4-Chloroaniline	11.6	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	11.6	UG/L	U	U	
REG	4-Methylphenol	11.6	UG/L	U	U	
REG	4-Nitroaniline	29.1	UG/L	U	UJ	C05
REG	4-Nitrophenol	29.1	UG/L	U	U	
REG	4-chloro-3-methylphenol	11.6	UG/L	U	U	
REG	Acenaphthene	11.6	UG/L	U	U	
REG	Acenaphthylene	11.6	UG/L	U	U	
REG	Anthracene	11.6	UG/L	U	U	
REG	Benzo(a)anthracene	11.6	UG/L	U	U	
REG	Benzo(a)pyrene	11.6	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW4 12A-MW4

124412 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Benzo(b)fluoranthene	11.6	UG/L	U	U	
REG	Benzo(g,h,i)perylene	11.6	UG/L	U	U	
REG	Benzo(k)fluoranthene	11.6	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	11.6	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	11.6	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	11.6	UG/L	U	U	
REG	Butyl Benzyl Phthalate	11.6	UG/L	U	U	
REG	Carbazole	11.6	UG/L	U	UJ	C05
REG	Chrysene	11.6	UG/L	U	U	
REG	Di-n-butyl Phthalate	11.6	UG/L	U	U	
REG	Di-n-octyl Phthalate	11.6	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	11.6	UG/L	U	U	
REG	Dibenzofuran	11.6	UG/L	U	U	
REG	Diethyl Phthalate	11.6	UG/L	U	U	
REG	Dimethyl Phthalate	11.6	UG/L	U	U	
REG	Fluoranthene	11.6	UG/L	U	U	
REG	Fluorene	11.6	UG/L	U	U	
REG	Hexachlorobenzene	11.6	UG/L	U	U	
REG	Hexachlorobutadiene	11.6	UG/L	U	U	
REG	Hexachlorocyclopentadiene	11.6	UG/L	U	U	
REG	Hexachloroethane	11.6	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	11.6	UG/L	U	U	
REG	Isophorone	11.6	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	11.6	UG/L	U	U	
REG	N-Nitrosodiphenylamine	11.6	UG/L	U	U	
REG	Naphthalene	11.6	UG/L	U	U	
REG	Nitrobenzene	11.6	UG/L	U	U	
REG	Pentachlorophenol	29.1	UG/L	U	U	
REG	Phenanthrene	11.6	UG/L	U	U	
REG	Phenol	11.6	UG/L	U	U	
REG	Pyrene	11.6	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW5 12A-MW5

124512 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	795	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	19.8	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1270	UG/L		=	
REG	Chromium	1.8	UG/L	B	J	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	10.6	UG/L		=	
REG	Iron	465	UG/L		=	
REG	Lead	2.6	UG/L	B	J	
REG	Magnesium	1350	UG/L		=	
REG	Manganese	6.1	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	2.1	UG/L	B	U	F01
REG	Potassium	281	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	3030	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	1.4	UG/L	B	=	
REG	Zinc	7.2	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	56.1	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	

Location: SWMU-12A
Station: 12A-MW5 12A-MW5

124512

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 09/01/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Barium	19.1	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1300	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	4.4	UG/L	B	=	
REG	Iron	8.1	UG/L	B	U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	1380	UG/L		=	
REG	Manganese	5.9	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.1	UG/L	B	U	F01
REG	Potassium	229	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	2910	UG/L		=	
REG	Thallium	.4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	7.6	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	11.8	UG/L	U	U	
REG	1,2-Dichlorobenzene	11.8	UG/L	U	U	
REG	1,3-Dichlorobenzene	11.8	UG/L	U	U	
REG	1,4-Dichlorobenzene	11.8	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	11.8	UG/L	U	U	
REG	2,4,5-Trichlorophenol	29.4	UG/L	U	U	
REG	2,4,6-Trichlorophenol	11.8	UG/L	U	U	
REG	2,4-Dichlorophenol	11.8	UG/L	U	U	
REG	2,4-Dimethylphenol	11.8	UG/L	U	U	
REG	2,4-Dinitrophenol	29.4	UG/L	U	U	
REG	2,4-Dinitrotoluene	11.8	UG/L	U	U	
REG	2,6-Dinitrotoluene	11.8	UG/L	U	U	
REG	2-Chloronaphthalene	11.8	UG/L	U	U	
REG	2-Chlorophenol	11.8	UG/L	U	U	
REG	2-Methylnaphthalene	11.8	UG/L	U	U	
REG	2-Methylphenol	11.8	UG/L	U	U	
REG	2-Nitroaniline	29.4	UG/L	U	U	
REG	2-Nitrophenol	11.8	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	11.8	UG/L	U	UJ	C05
REG	3-Nitroaniline	29.4	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	29.4	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	11.8	UG/L	U	U	
REG	4-Chloroaniline	11.8	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	11.8	UG/L	U	U	
REG	4-Methylphenol	11.8	UG/L	U	U	
REG	4-Nitroaniline	29.4	UG/L	U	UJ	C05
REG	4-Nitrophenol	29.4	UG/L	U	U	
REG	4-chloro-3-methylphenol	11.8	UG/L	U	U	
REG	Acenaphthene	11.8	UG/L	U	U	
REG	Acenaphthylene	11.8	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW5 12A-MW5

124512 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Anthracene	11.8	UG/L	U	U	
REG	Benzo(a)anthracene	11.8	UG/L	U	U	
REG	Benzo(a)pyrene	11.8	UG/L	U	U	
REG	Benzo(b)fluoranthene	11.8	UG/L	U	U	
REG	Benzo(g,h,i)perylene	11.8	UG/L	U	U	
REG	Benzo(k)fluoranthene	11.8	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	11.8	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	11.8	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	7.1	UG/L	J	J	C05
REG	Butyl Benzyl Phthalate	11.8	UG/L	U	U	
REG	Carbazole	11.8	UG/L	U	UJ	C05
REG	Chrysene	11.8	UG/L	U	U	
REG	Di-n-butyl Phthalate	11.8	UG/L	U	U	
REG	Di-n-octyl Phthalate	11.8	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	11.8	UG/L	U	U	
REG	Dibenzofuran	11.8	UG/L	U	U	
REG	Diethyl Phthalate	11.8	UG/L	U	U	
REG	Dimethyl Phthalate	11.8	UG/L	U	U	
REG	Fluoranthene	11.8	UG/L	U	U	
REG	Fluorene	11.8	UG/L	U	U	
REG	Hexachlorobenzene	11.8	UG/L	U	U	
REG	Hexachlorobutadiene	11.8	UG/L	U	U	
REG	Hexachlorocyclopentadiene	11.8	UG/L	U	U	
REG	Hexachloroethane	11.8	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	11.8	UG/L	U	U	
REG	Isophorone	11.8	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	11.8	UG/L	U	U	
REG	N-Nitrosodiphenylamine	11.8	UG/L	U	U	
REG	Naphthalene	11.8	UG/L	U	U	
REG	Nitrobenzene	11.8	UG/L	U	U	
REG	Pentachlorophenol	29.4	UG/L	U	U	
REG	Phenanthrene	11.8	UG/L	U	U	
REG	Phenol	11.8	UG/L	U	U	
REG	Pyrene	11.8	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW6 12A-MW6

124612 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/02/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	90.6	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	14.3	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	686	UG/L		=	
REG	Chromium	1.1	UG/L	B	J	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	1.1	UG/L	B	U	F01
REG	Iron	56.3	UG/L		=	
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	351	UG/L		=	
REG	Manganese	9.8	UG/L		=	
REG	Mercury	0.15	UG/L	B	J	P01
REG	Nickel	1.2	UG/L	B	U	F01
REG	Potassium	413	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	1720	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	12.8	UG/L	U		F01

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
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Location: SWMU-12A

Station : 12A-MW6 12A-MW6

124612

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 09/02/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	12.4	UG/L	U	U	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	13.6	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	695	UG/L		=	
REG	Chromium	0.86	UG/L	B	J	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	.91	UG/L	B	U	F01
REG	Iron	9.2	UG/L	B	U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	349	UG/L		=	
REG	Manganese	7	UG/L		=	
REG	Mercury	0.1	UG/L	U	UJ	P01
REG	Nickel	1.5	UG/L	B	U	F01
REG	Potassium	362	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	1630	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	5	UG/L	B	U	F01

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	11.1	UG/L	U	U	
REG	1,2-Dichlorobenzene	11.1	UG/L	U	U	
REG	1,3-Dichlorobenzene	11.1	UG/L	U	U	
REG	1,4-Dichlorobenzene	11.1	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	11.1	UG/L	U	U	
REG	2,4,5-Trichlorophenol	27.8	UG/L	U	U	
REG	2,4,6-Trichlorophenol	11.1	UG/L	U	U	
REG	2,4-Dichlorophenol	11.1	UG/L	U	U	
REG	2,4-Dimethylphenol	11.1	UG/L	U	U	
REG	2,4-Dinitrophenol	27.8	UG/L	U	U	
REG	2,4-Dinitrotoluene	11.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	11.1	UG/L	U	U	
REG	2-Chloronaphthalene	11.1	UG/L	U	U	
REG	2-Chlorophenol	11.1	UG/L	U	U	
REG	2-Methylnaphthalene	11.1	UG/L	U	U	
REG	2-Methylphenol	11.1	UG/L	U	U	
REG	2-Nitroaniline	27.8	UG/L	U	U	
REG	2-Nitrophenol	11.1	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	11.1	UG/L	U	UJ	C05
REG	3-Nitroaniline	27.8	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	27.8	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	11.1	UG/L	U	U	
REG	4-Chloroaniline	11.1	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	11.1	UG/L	U	U	
REG	4-Methylphenol	11.1	UG/L	U	U	
REG	4-Nitroaniline	27.8	UG/L	U	U	
REG	4-Nitrophenol	27.8	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW6 12A-MW6

124612 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/02/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-chloro-3-methylphenol	11.1	UG/L	U	U	
REG	Acenaphthene	11.1	UG/L	U	U	
REG	Acenaphthylene	11.1	UG/L	U	U	
REG	Anthracene	11.1	UG/L	U	U	
REG	Benzo(a)anthracene	11.1	UG/L	U	U	
REG	Benzo(a)pyrene	11.1	UG/L	U	U	
REG	Benzo(b)fluoranthene	11.1	UG/L	U	U	
REG	Benzo(g,h,i)perylene	11.1	UG/L	U	U	
REG	Benzo(k)fluoranthene	11.1	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	11.1	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	11.1	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	11.1	UG/L	U	U	
REG	Butyl Benzyl Phthalate	11.1	UG/L	U	U	
REG	Carbazole	11.1	UG/L	U	UJ	C05
REG	Chrysene	11.1	UG/L	U	U	
REG	Di-n-butyl Phthalate	11.1	UG/L	U	U	
REG	Di-n-octyl Phthalate	11.1	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	11.1	UG/L	U	U	
REG	Dibenzofuran	11.1	UG/L	U	U	
REG	Diethyl Phthalate	11.1	UG/L	U	U	
REG	Dimethyl Phthalate	11.1	UG/L	U	U	
REG	Fluoranthene	11.1	UG/L	U	U	
REG	Fluorene	11.1	UG/L	U	U	
REG	Hexachlorobenzene	11.1	UG/L	U	U	
REG	Hexachlorobutadiene	11.1	UG/L	U	U	
REG	Hexachlorocyclopentadiene	11.1	UG/L	U	U	
REG	Hexachloroethane	11.1	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	11.1	UG/L	U	U	
REG	Isophorone	11.1	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	11.1	UG/L	U	U	
REG	N-Nitrosodiphenylamine	11.1	UG/L	U	U	
REG	Naphthalene	11.1	UG/L	U	U	
REG	Nitrobenzene	11.1	UG/L	U	U	
REG	Pentachlorophenol	27.8	UG/L	U	U	
REG	Phenanthrene	11.1	UG/L	U	U	
REG	Phenol	11.1	UG/L	U	U	
REG	Pyrene	11.1	UG/L	U	U	
TIC REG	4.700 OIL AND GREASE	4.7	UG/L	J		

Location: SWMU-12A
Station : 12A-MW7 12A-MW7

124712 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	218	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	21.5	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1920	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	.74	UG/L	U	U	
REG	Iron	127	UG/L		=	
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	839	UG/L		=	
REG	Manganese	11.5	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.7	UG/L	B	U	F01
REG	Potassium	474	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	3240	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	7.8	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	15.5	UG/L	B	=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	20.5	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1880	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	.74	UG/L	U	U	
REG	Iron	3.4	UG/L	B	U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	817	UG/L		=	
REG	Manganese	10.2	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.8	UG/L	B	U	F01
REG	Potassium	458	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	3330	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	7.4	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.5	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.5	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.5	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	26.3	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.5	UG/L	U	U	
REG	2,4-Dichlorophenol	10.5	UG/L	U	U	
REG	2,4-Dimethylphenol	10.5	UG/L	U	U	
REG	2,4-Dinitrophenol	26.3	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.5	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.5	UG/L	U	U	
REG	2-Chloronaphthalene	10.5	UG/L	U	U	
REG	2-Chlorophenol	10.5	UG/L	U	U	
REG	2-Methylnaphthalene	10.5	UG/L	U	U	
REG	2-Methylphenol	10.5	UG/L	U	U	
REG	2-Nitroaniline	26.3	UG/L	U	U	
REG	2-Nitrophenol	10.5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10.5	UG/L	U	UJ	C05
REG	3-Nitroaniline	26.3	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	26.3	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.5	UG/L	U	U	
REG	4-Chloroaniline	10.5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.5	UG/L	U	U	
REG	4-Methylphenol	10.5	UG/L	U	U	
REG	4-Nitroaniline	26.3	UG/L	U	UJ	C05
REG	4-Nitrophenol	26.3	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.5	UG/L	U	U	
REG	Acenaphthene	10.5	UG/L	U	U	
REG	Acenaphthylene	10.5	UG/L	U	U	
REG	Anthracene	10.5	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW7 12A-MW7

124712 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Benzo(a)anthracene	10.5	UG/L	U	U	
REG	Benzo(a)pyrene	10.5	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.5	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.5	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.5	UG/L	U	U	
REG	Carbazole	10.5	UG/L	U	UJ	C05
REG	Chrysene	10.5	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.5	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.5	UG/L	U	U	
REG	Dibenzofuran	10.5	UG/L	U	U	
REG	Diethyl Phthalate	10.5	UG/L	U	U	
REG	Dimethyl Phthalate	10.5	UG/L	U	U	
REG	Fluoranthene	10.5	UG/L	U	U	
REG	Fluorene	10.5	UG/L	U	U	
REG	Hexachlorobenzene	10.5	UG/L	U	U	
REG	Hexachlorobutadiene	10.5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.5	UG/L	U	U	
REG	Hexachloroethane	10.5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.5	UG/L	U	U	
REG	Isophorone	10.5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.5	UG/L	U	U	
REG	Naphthalene	10.5	UG/L	U	U	
REG	Nitrobenzene	10.5	UG/L	U	U	
REG	Pentachlorophenol	26.3	UG/L	U	U	
REG	Phenanthrene	10.5	UG/L	U	U	
REG	Phenol	10.5	UG/L	U	U	
REG	Pyrene	10.5	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW8 12A-MW8

124812 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/02/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	906	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	12.7	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1090	UG/L		=	
REG	Chromium	2.1	UG/L	B	J	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	.74	UG/L	U	U	
REG	Iron	359	UG/L		=	
REG	Lead	3.2	UG/L		=	
REG	Magnesium	546	UG/L		=	
REG	Manganese	2.9	UG/L	B	=	
REG	Mercury	0.1	UG/L	U	UJ	P01
REG	Nickel	1.3	UG/L	B	U	F01
REG	Potassium	294	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	3120	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	1.6	UG/L	B	=	
REG	Zinc	6.2	UG/L		U	F01

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	Aluminum	12.4	UG/L	U	U	

Location: SWMU-12A

Station : 12A-MW8 12A-MW8

124812

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Groundwater

Collected: 09/02/98

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	Antimony	2.5	UG/L	U	U	
DIL	Arsenic	3	UG/L	U	U	
DIL	Barium	11.5	UG/L	B	J	
DIL	Beryllium	.13	UG/L	U	U	
DIL	Cadmium	1.1	UG/L	U	U	
DIL	Calcium	1070	UG/L		=	
DIL	Chromium	.73	UG/L	B	J	
DIL	Cobalt	.82	UG/L	U	U	
DIL	Copper	.74	UG/L	U	U	
DIL	Iron	5.4	UG/L	B	U	F01
DIL	Lead	1.5	UG/L	U	U	
DIL	Magnesium	526	UG/L		=	
DIL	Manganese	2.3	UG/L	B	=	
DIL	Mercury	.1	UG/L	U	UJ	P01
DIL	Nickel	1.5	UG/L	B	U	F01
DIL	Potassium	246	UG/L		=	
DIL	Selenium	2.4	UG/L	U	U	
DIL	Silver	2	UG/L	U	U	
DIL	Sodium	3150	UG/L		=	
DIL	Thallium	4	UG/L	U	U	
DIL	Vanadium	.67	UG/L	U	U	
DIL	Zinc	2.6	UG/L	U	U	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
DIL	1,3,5-Trinitrobenzene	8	UG/L	U	U	
DIL	1,3-Dinitrobenzene	12	UG/L	U	U	
DIL	2,4,6-Trinitrotoluene	12	UG/L	U	U	
DIL	2,4-Dinitrotoluene	0.42	UG/L	U	U	
DIL	2,6-Dinitrotoluene	0.42	UG/L	U	U	
DIL	2-Nitrotoluene	40	UG/L	U	U	
DIL	3-Nitrotoluene	40	UG/L	U	U	
DIL	4-Nitrotoluene	40	UG/L	U	U	
DIL	HMX	79.9	UG/L	U	UJ	P01
DIL	Nitrobenzene	40	UG/L	U	U	
DIL	RDX	12.3	UG/L	DJ	J	
DIL	Tetryl	200	UG/L	U	U	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	12.3	UG/L	DJ	J	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.6	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.6	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.6	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.6	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.6	UG/L	U	U	
REG	2,4,5-Trichlorophenol	26.6	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.6	UG/L	U	U	
REG	2,4-Dichlorophenol	10.6	UG/L	U	U	
REG	2,4-Dimethylphenol	10.6	UG/L	U	U	
REG	2,4-Dinitrophenol	26.6	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.6	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.6	UG/L	U	U	
REG	2-Chloronaphthalene	10.6	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW8 12A-MW8

124812 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/02/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Chlorophenol	10.6	UG/L	U	U	
REG	2-Methylnaphthalene	10.6	UG/L	U	U	
REG	2-Methylphenol	10.6	UG/L	U	U	
REG	2-Nitroaniline	26.6	UG/L	U	U	
REG	2-Nitrophenol	10.6	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10.6	UG/L	U	UJ	C05
REG	3-Nitroaniline	26.6	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	26.6	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.6	UG/L	U	U	
REG	4-Chloroaniline	10.6	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.6	UG/L	U	U	
REG	4-Methylphenol	10.6	UG/L	U	U	
REG	4-Nitroaniline	26.6	UG/L	U	U	
REG	4-Nitrophenol	26.6	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.6	UG/L	U	U	
REG	Acenaphthene	10.6	UG/L	U	U	
REG	Acenaphthylene	10.6	UG/L	U	U	
REG	Anthracene	10.6	UG/L	U	U	
REG	Benzo(a)anthracene	10.6	UG/L	U	U	
REG	Benzo(a)pyrene	10.6	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.6	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.6	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.6	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.6	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.6	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.6	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.6	UG/L	U	U	
REG	Carbazole	10.6	UG/L	U	UJ	C05
REG	Chrysene	10.6	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.6	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.6	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.6	UG/L	U	U	
REG	Dibenzofuran	10.6	UG/L	U	U	
REG	Diethyl Phthalate	10.6	UG/L	U	U	
REG	Dimethyl Phthalate	10.6	UG/L	U	U	
REG	Fluoranthene	10.6	UG/L	U	U	
REG	Fluorene	10.6	UG/L	U	U	
REG	Hexachlorobenzene	10.6	UG/L	U	U	
REG	Hexachlorobutadiene	10.6	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.6	UG/L	U	U	
REG	Hexachloroethane	10.6	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.6	UG/L	U	U	
REG	Isophorone	10.6	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.6	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.6	UG/L	U	U	
REG	Naphthalene	10.6	UG/L	U	U	
REG	Nitrobenzene	10.6	UG/L	U	U	
REG	Pentachlorophenol	26.6	UG/L	U	U	
REG	Phenanthrene	10.6	UG/L	U	U	
REG	Phenol	10.6	UG/L	U	U	
REG	Pyrene	10.6	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW9 12A-MW9

124912 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	66.7	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	27	UG/L	B	J	
REG	Beryllium	.25	UG/L	B	U	F01
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1200	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	2.3	UG/L	B	=	

Location: SWMU-12A
Station: 12A-MW9 12A-MW9

124912 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Iron	21.1	UG/L		U	F01
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	684	UG/L		=	
REG	Manganese	12.9	UG/L		=	F01
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.5	UG/L	B	U	
REG	Potassium	482	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	2560	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	8.2	UG/L		=	

Sample Type	Filtered Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	31.7	UG/L	B	=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	26.5	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	1240	UG/L		=	
REG	Chromium	0.7	UG/L	U	U	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	2.7	UG/L	B	=	
REG	Iron	8.8	UG/L	B	U	
REG	Lead	1.5	UG/L	U	U	
REG	Magnesium	698	UG/L		=	F01
REG	Manganese	13.7	UG/L		=	
REG	Mercury	0.1	UG/L	U	U	
REG	Nickel	1.8	UG/L	B	U	F01
REG	Potassium	495	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	2690	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	.67	UG/L	U	U	
REG	Zinc	16.5	UG/L		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	
REG	Nitrobenzene	10	UG/L	U	U	P01
REG	RDX	20	UG/L	U	U	
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	11.5	UG/L	U	U	
REG	1,2-Dichlorobenzene	11.5	UG/L	U	U	
REG	1,3-Dichlorobenzene	11.5	UG/L	U	U	
REG	1,4-Dichlorobenzene	11.5	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	11.5	UG/L	U	U	
REG	2,4,5-Trichlorophenol	28.7	UG/L	U	U	
REG	2,4,6-Trichlorophenol	11.5	UG/L	U	U	
REG	2,4-Dichlorophenol	11.5	UG/L	U	U	
REG	2,4-Dimethylphenol	11.5	UG/L	U	U	
REG	2,4-Dinitrophenol	28.7	UG/L	U	U	
REG	2,4-Dinitrotoluene	11.5	UG/L	U	U	

Location: SWMU-12A
Station : 12A-MW9 12A-MW9

124912 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Groundwater Collected: 09/01/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,6-Dinitrotoluene	11.5	UG/L	U	U	
REG	2-Chloronaphthalene	11.5	UG/L	U	U	
REG	2-Chlorophenol	11.5	UG/L	U	U	
REG	2-Methylnaphthalene	11.5	UG/L	U	U	
REG	2-Methylphenol	11.5	UG/L	U	U	
REG	2-Nitroaniline	28.7	UG/L	U	U	
REG	2-Nitrophenol	11.5	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	11.5	UG/L	U	UJ	C05
REG	3-Nitroaniline	28.7	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	28.7	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	11.5	UG/L	U	U	
REG	4-Chloroaniline	11.5	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	11.5	UG/L	U	U	
REG	4-Methylphenol	11.5	UG/L	U	U	
REG	4-Nitroaniline	28.7	UG/L	U	UJ	C05
REG	4-Nitrophenol	28.7	UG/L	U	U	
REG	4-chloro-3-methylphenol	11.5	UG/L	U	U	
REG	Acenaphthene	11.5	UG/L	U	U	
REG	Acenaphthylene	11.5	UG/L	U	U	
REG	Anthracene	11.5	UG/L	U	U	
REG	Benzo(a)anthracene	11.5	UG/L	U	U	
REG	Benzo(a)pyrene	11.5	UG/L	U	U	
REG	Benzo(b)fluoranthene	11.5	UG/L	U	U	
REG	Benzo(g,h,i)perylene	11.5	UG/L	U	U	
REG	Benzo(k)fluoranthene	11.5	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	11.5	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	11.5	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	11.5	UG/L	U	U	
REG	Butyl Benzyl Phthalate	11.5	UG/L	U	U	
REG	Carbazole	11.5	UG/L	U	UJ	C05
REG	Chrysene	11.5	UG/L	U	U	
REG	Di-n-butyl Phthalate	11.5	UG/L	U	U	
REG	Di-n-octyl Phthalate	11.5	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	11.5	UG/L	U	U	
REG	Dibenzofuran	11.5	UG/L	U	U	
REG	Diethyl Phthalate	11.5	UG/L	U	U	
REG	Dimethyl Phthalate	11.5	UG/L	U	U	
REG	Fluoranthene	11.5	UG/L	U	U	
REG	Fluorene	11.5	UG/L	U	U	
REG	Hexachlorobenzene	11.5	UG/L	U	U	
REG	Hexachlorobutadiene	11.5	UG/L	U	U	
REG	Hexachlorocyclopentadiene	11.5	UG/L	U	U	
REG	Hexachloroethane	11.5	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	11.5	UG/L	U	U	
REG	Isophorone	11.5	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	11.5	UG/L	U	U	
REG	N-Nitrosodiphenylamine	11.5	UG/L	U	U	
REG	Naphthalene	11.5	UG/L	U	U	
REG	Nitrobenzene	11.5	UG/L	U	U	
REG	Pentachlorophenol	28.7	UG/L	U	U	
REG	Phenanthrene	11.5	UG/L	U	U	
REG	Phenol	11.5	UG/L	U	U	
REG	Pyrene	11.5	UG/L	U	U	
TIC REG	11.40 OIL AND GREASE	11.4	UG/L	J		

Location: SWMU-12A
Station : 12A-SS-07 12A-SS-07

127712 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	5920	MG/KG		=	
REG	Antimony	.24	MG/KG	U	=	
REG	Arsenic	0.75	MG/KG	B	J	
REG	Barium	16.7	MG/KG	B	J	
REG	Beryllium	.04	MG/KG	B	U	F12
REG	Cadmium	0.11	MG/KG	U	U	
REG	Calcium	127	MG/KG		=	

Location: SWMU-12A
Station : 12A-SS-07 12A-SS-07

127712 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Chromium	5.3	MG/KG	=		
REG	Cobalt	.38	MG/KG	B	U	F01
REG	Copper	2.8	MG/KG	J		P01
REG	Iron	2920	MG/KG	J		P01
REG	Lead	4.5	MG/KG	=		
REG	Magnesium	136	MG/KG	=		
REG	Manganese	17.4	MG/KG	=		
REG	Mercury	0.02	MG/KG	UN	U	I01
REG	Nickel	2.3	MG/KG	J		F01,P01
REG	Potassium	124	MG/KG	=		
REG	Selenium	0.24	MG/KG	U	U	
REG	Silver	0.2	MG/KG	U	U	
REG	Sodium	5.4	MG/KG	B	=	
REG	Thallium	.39	MG/KG	U	UJ	F01
REG	Vanadium	8	MG/KG	=		
REG	Zinc	4.7	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	337	UG/KG	U	U	
REG	1,2-Dichlorobenzene	337	UG/KG	U	U	
REG	1,3-Dichlorobenzene	337	UG/KG	U	U	
REG	1,4-Dichlorobenzene	337	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	337	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	842	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	337	UG/KG	U	U	
REG	2,4-Dichlorophenol	337	UG/KG	U	U	
REG	2,4-Dimethylphenol	337	UG/KG	U	U	
REG	2,4-Dinitrophenol	842	UG/KG	U	U	
REG	2,4-Dinitrotoluene	337	UG/KG	U	U	
REG	2,6-Dinitrotoluene	337	UG/KG	U	U	
REG	2-Chloronaphthalene	337	UG/KG	U	U	
REG	2-Chlorophenol	337	UG/KG	U	U	
REG	2-Methylnaphthalene	337	UG/KG	U	U	
REG	2-Methylphenol	337	UG/KG	U	U	
REG	2-Nitroaniline	842	UG/KG	U	U	
REG	2-Nitrophenol	337	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	337	UG/KG	U	U	
REG	3-Nitroaniline	842	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	842	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	337	UG/KG	U	U	
REG	4-Chloroaniline	337	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	337	UG/KG	U	U	
REG	4-Methylphenol	337	UG/KG	U	U	
REG	4-Nitroaniline	842	UG/KG	U	U	
REG	4-Nitrophenol	842	UG/KG	U	U	
REG	4-chloro-3-methylphenol	337	UG/KG	U	U	
REG	Acenaphthene	337	UG/KG	U	U	
REG	Acenaphthylene	337	UG/KG	U	U	
REG	Anthracene	337	UG/KG	U	U	
REG	Benzo(a)anthracene	337	UG/KG	U	U	
REG	Benzo(a)pyrene	337	UG/KG	U	U	
REG	Benzo(b)fluoranthene	337	UG/KG	U	U	

Location: SWMU-12A
Station: 12A-SS-07 12A-SS-07

127712 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Benzo(g,h,i)perylene	337	UG/KG	U	U	
REG	Benzo(k)fluoranthene	337	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	337	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	337	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	337	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	337	UG/KG	U	U	
REG	Carbazole	337	UG/KG	U	U	
REG	Chrysene	337	UG/KG	U	U	
REG	Di-n-butyl Phthalate	337	UG/KG	U	U	
REG	Di-n-octyl Phthalate	337	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	337	UG/KG	U	U	
REG	Dibenzofuran	337	UG/KG	U	U	
REG	Diethyl Phthalate	337	UG/KG	U	U	
REG	Dimethyl Phthalate	337	UG/KG	U	U	
REG	Fluoranthene	337	UG/KG	U	U	
REG	Fluorene	337	UG/KG	U	U	
REG	Hexachlorobenzene	337	UG/KG	U	U	
REG	Hexachlorobutadiene	337	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	337	UG/KG	U	U	
REG	Hexachloroethane	337	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	337	UG/KG	U	U	
REG	Isophorone	337	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	337	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	337	UG/KG	U	U	
REG	Naphthalene	337	UG/KG	U	U	
REG	Nitrobenzene	337	UG/KG	U	U	
REG	Pentachlorophenol	842	UG/KG	U	U	
REG	Phenanthrene	337	UG/KG	U	U	
REG	Phenol	337	UG/KG	U	U	
REG	Pyrene	337	UG/KG	U	U	
TIC REG	182.0 OIL AND GREASE	182	UG/KG	J		

127722 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Soil Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	5730	MG/KG	=		
REG	Antimony	.25	MG/KG	U	=	
REG	Arsenic	0.73	MG/KG	B	J	
REG	Barium	15.9	MG/KG	B	J	
REG	Beryllium	.04	MG/KG	B	U	F12
REG	Cadmium	0.12	MG/KG	U	U	
REG	Calcium	116	MG/KG	=		
REG	Chromium	5	MG/KG	=		
REG	Cobalt	.33	MG/KG	B	U	F01
REG	Copper	1.7	MG/KG	J		P01
REG	Iron	2340	MG/KG	J		P01
REG	Lead	4.2	MG/KG	=		
REG	Magnesium	135	MG/KG	=		
REG	Manganese	17	MG/KG	=		
REG	Mercury	0.02	MG/KG	BN	J	I01
REG	Nickel	2.3	MG/KG	J		F01,P01
REG	Potassium	123	MG/KG	=		
REG	Selenium	0.24	MG/KG	U	U	
REG	Silver	0.21	MG/KG	B	J	
REG	Sodium	6	MG/KG	B	=	
REG	Thallium	.4	MG/KG	U	UJ	F01
REG	Vanadium	7	MG/KG	=		
REG	Zinc	4	MG/KG	=		
Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	

Location: SWMU-12A
Station: 12A-SS-07 12A-SS-07

127722 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Soil Collected: 08/31/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	337	UG/KG	U	U	
REG	1,2-Dichlorobenzene	337	UG/KG	U	U	
REG	1,3-Dichlorobenzene	337	UG/KG	U	U	
REG	1,4-Dichlorobenzene	337	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	337	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	842	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	337	UG/KG	U	U	
REG	2,4-Dichlorophenol	337	UG/KG	U	U	
REG	2,4-Dimethylphenol	337	UG/KG	U	U	
REG	2,4-Dinitrophenol	842	UG/KG	U	U	
REG	2,4-Dinitrotoluene	337	UG/KG	U	U	
REG	2,6-Dinitrotoluene	337	UG/KG	U	U	
REG	2-Chloronaphthalene	337	UG/KG	U	U	
REG	2-Chlorophenol	337	UG/KG	U	U	
REG	2-Methylnaphthalene	337	UG/KG	U	U	
REG	2-Methylphenol	337	UG/KG	U	U	
REG	2-Nitroaniline	842	UG/KG	U	U	
REG	2-Nitrophenol	337	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	337	UG/KG	U	U	
REG	3-Nitroaniline	842	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	842	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	337	UG/KG	U	U	
REG	4-Chloroaniline	337	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	337	UG/KG	U	U	
REG	4-Methylphenol	337	UG/KG	U	U	
REG	4-Nitroaniline	842	UG/KG	U	U	
REG	4-Nitrophenol	842	UG/KG	U	U	
REG	4-chloro-3-methylphenol	337	UG/KG	U	U	
REG	Acenaphthene	337	UG/KG	U	U	
REG	Acenaphthylene	337	UG/KG	U	U	
REG	Anthracene	337	UG/KG	U	U	
REG	Benzo(a)anthracene	337	UG/KG	U	U	
REG	Benzo(a)pyrene	337	UG/KG	U	U	
REG	Benzo(b)fluoranthene	337	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	337	UG/KG	U	U	
REG	Benzo(k)fluoranthene	337	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	337	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	337	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	337	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	337	UG/KG	U	U	
REG	Carbazole	337	UG/KG	U	U	
REG	Chrysene	337	UG/KG	U	U	
REG	Di-n-butyl Phthalate	337	UG/KG	U	U	
REG	Di-n-octyl Phthalate	337	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	337	UG/KG	U	U	
REG	Dibenzofuran	337	UG/KG	U	U	
REG	Diethyl Phthalate	337	UG/KG	U	U	
REG	Dimethyl Phthalate	337	UG/KG	U	U	
REG	Fluoranthene	337	UG/KG	U	U	
REG	Fluorene	337	UG/KG	U	U	
REG	Hexachlorobenzene	337	UG/KG	U	U	
REG	Hexachlorobutadiene	337	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	337	UG/KG	U	U	
REG	Hexachloroethane	337	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	337	UG/KG	U	U	
REG	Isophorone	337	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	337	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	337	UG/KG	U	U	
REG	Naphthalene	337	UG/KG	U	U	
REG	Nitrobenzene	337	UG/KG	U	U	
REG	Pentachlorophenol	842	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SS-07 12A-SS-07

127722 0.0 - 1.0 FT Field Sample Type: Field Duplicate Matrix: Soil Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Phenanthrene	337	UG/KG	U	U	
REG	Phenol	337	UG/KG	U	U	
REG	Pyrene	337	UG/KG	U	U	
TIC REG	236.0 OIL AND GREASE	236	UG/KG	J		

Location: SWMU-12A
Station : 12A-SS-08 12A-SS-08

127812 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2630	MG/KG		=	
REG	Antimony	.24	MG/KG	U	=	
REG	Arsenic	0.55	MG/KG	B	J	
REG	Barium	12.7	MG/KG	B	J	
REG	Beryllium	.02	MG/KG	B	U	F12
REG	Cadmium	0.11	MG/KG	U	U	
REG	Calcium	57.2	MG/KG		=	
REG	Chromium	2	MG/KG		=	
REG	Cobalt	.14	MG/KG	B	U	F01
REG	Copper	.82	MG/KG	B	J	F12
REG	Iron	891	MG/KG		J	P01
REG	Lead	2.8	MG/KG		=	
REG	Magnesium	63.1	MG/KG		J	P01
REG	Manganese	25.5	MG/KG		=	
REG	Mercury	0.02	MG/KG	UN	U	I01
REG	Nickel	1.1	MG/KG		J	F01,P01
REG	Potassium	53.3	MG/KG		=	
REG	Selenium	0.23	MG/KG	U	U	
REG	Silver	0.2	MG/KG	B	J	
REG	Sodium	6.5	MG/KG	B	=	
REG	Thallium	.38	MG/KG	U	UJ	F01
REG	Vanadium	2.8	MG/KG		=	
REG	Zinc	1.9	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	333	UG/KG	U	U	
REG	1,2-Dichlorobenzene	333	UG/KG	U	U	
REG	1,3-Dichlorobenzene	333	UG/KG	U	U	
REG	1,4-Dichlorobenzene	333	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	333	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	833	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	333	UG/KG	U	U	
REG	2,4-Dichlorophenol	333	UG/KG	U	U	
REG	2,4-Dimethylphenol	333	UG/KG	U	U	
REG	2,4-Dinitrophenol	833	UG/KG	U	U	
REG	2,4-Dinitrotoluene	333	UG/KG	U	U	
REG	2,6-Dinitrotoluene	333	UG/KG	U	U	
REG	2-Chloronaphthalene	333	UG/KG	U	U	
REG	2-Chlorophenol	333	UG/KG	U	U	
REG	2-Methylnaphthalene	333	UG/KG	U	U	

Location: SWMU-12A
Station: 12A-SS-08 12A-SS-08

127812 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Methylphenol	333	UG/KG	U	U	
REG	2-Nitroaniline	833	UG/KG	U	U	
REG	2-Nitrophenol	333	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	333	UG/KG	U	U	
REG	3-Nitroaniline	833	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	833	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	333	UG/KG	U	U	
REG	4-Chloroaniline	333	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	333	UG/KG	U	U	
REG	4-Methylphenol	333	UG/KG	U	U	
REG	4-Nitroaniline	833	UG/KG	U	U	
REG	4-Nitrophenol	833	UG/KG	U	U	
REG	4-chloro-3-methylphenol	333	UG/KG	U	U	
REG	Acenaphthene	333	UG/KG	U	U	
REG	Acenaphthylene	333	UG/KG	U	U	
REG	Anthracene	333	UG/KG	U	U	
REG	Benzo(a)anthracene	333	UG/KG	U	U	
REG	Benzo(a)pyrene	333	UG/KG	U	U	
REG	Benzo(b)fluoranthene	333	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	333	UG/KG	U	U	
REG	Benzo(k)fluoranthene	333	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	333	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	333	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	333	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	333	UG/KG	U	U	
REG	Carbazole	333	UG/KG	U	U	
REG	Chrysene	333	UG/KG	U	U	
REG	Di-n-butyl Phthalate	333	UG/KG	U	U	
REG	Di-n-octyl Phthalate	333	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	333	UG/KG	U	U	
REG	Dibenzofuran	333	UG/KG	U	U	
REG	Diethyl Phthalate	333	UG/KG	U	U	
REG	Dimethyl Phthalate	333	UG/KG	U	U	
REG	Fluoranthene	333	UG/KG	U	U	
REG	Fluorene	333	UG/KG	U	U	
REG	Hexachlorobenzene	333	UG/KG	U	U	
REG	Hexachlorobutadiene	333	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	333	UG/KG	U	U	
REG	Hexachloroethane	333	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	333	UG/KG	U	U	
REG	Isophorone	333	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	333	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	333	UG/KG	U	U	
REG	Naphthalene	333	UG/KG	U	U	
REG	Nitrobenzene	333	UG/KG	U	U	
REG	Pentachlorophenol	833	UG/KG	U	U	
REG	Phenanthrene	333	UG/KG	U	U	
REG	Phenol	333	UG/KG	U	U	
REG	Pyrene	333	UG/KG	U	U	
TIC REG	386.0 OIL AND GREASE	386	UG/KG	J		

Location: SWMU-12A
Station: 12A-SS-09 12A-SS-09

127912 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	3710	MG/KG		=	
REG	Antimony	.23	MG/KG	U	=	
REG	Arsenic	0.56	MG/KG	B	J	
REG	Barium	13.1	MG/KG	B	J	
REG	Beryllium	.03	MG/KG	B	U	F12
REG	Cadmium	0.11	MG/KG	U	U	
REG	Calcium	40.4	MG/KG		=	
REG	Chromium	3	MG/KG		=	
REG	Cobalt	.24	MG/KG	B	U	F01
REG	Copper	.81	MG/KG	B	J	F12,P01
REG	Iron	1530	MG/KG		J	P01

Location: SWMU-12A
Station: 12A-SS-09 12A-SS-09

127912

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Lead	2.9	MG/KG	=		
REG	Magnesium	95.2	MG/KG	=		
REG	Manganese	10.9	MG/KG	=		
REG	Mercury	0.02	MG/KG	UN	U	I01
REG	Nickel	1.6	MG/KG	J		F01,P01
REG	Potassium	73.7	MG/KG	=		
REG	Selenium	0.22	MG/KG	U	U	
REG	Silver	0.19	MG/KG	U	U	
REG	Sodium	3.8	MG/KG	B	=	
REG	Thallium	.37	MG/KG	U	UJ	F01
REG	Vanadium	4.2	MG/KG	=		
REG	Zinc	2.4	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	333	UG/KG	U	U	
REG	1,2-Dichlorobenzene	333	UG/KG	U	U	
REG	1,3-Dichlorobenzene	333	UG/KG	U	U	
REG	1,4-Dichlorobenzene	333	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	333	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	833	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	333	UG/KG	U	U	
REG	2,4-Dichlorophenol	333	UG/KG	U	U	
REG	2,4-Dimethylphenol	333	UG/KG	U	U	
REG	2,4-Dinitrophenol	833	UG/KG	U	U	
REG	2,4-Dinitrotoluene	333	UG/KG	U	U	
REG	2,6-Dinitrotoluene	333	UG/KG	U	U	
REG	2-Chloronaphthalene	333	UG/KG	U	U	
REG	2-Chlorophenol	333	UG/KG	U	U	
REG	2-Methylnaphthalene	333	UG/KG	U	U	
REG	2-Methylphenol	333	UG/KG	U	U	
REG	2-Nitroaniline	833	UG/KG	U	U	
REG	2-Nitrophenol	333	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	333	UG/KG	U	U	
REG	3-Nitroaniline	833	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	833	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	333	UG/KG	U	U	
REG	4-Chloroaniline	333	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	333	UG/KG	U	U	
REG	4-Methylphenol	333	UG/KG	U	U	
REG	4-Nitroaniline	833	UG/KG	U	U	
REG	4-Nitrophenol	833	UG/KG	U	U	
REG	4-chloro-3-methylphenol	333	UG/KG	U	U	
REG	Acenaphthene	333	UG/KG	U	U	
REG	Acenaphthylene	333	UG/KG	U	U	
REG	Anthracene	333	UG/KG	U	U	
REG	Benzo(a)anthracene	333	UG/KG	U	U	
REG	Benzo(a)pyrene	333	UG/KG	U	U	
REG	Benzo(b)fluoranthene	333	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	333	UG/KG	U	U	
REG	Benzo(k)fluoranthene	333	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	333	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	333	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SS-09 12A-SS-09

127912 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Bis(2-ethylhexyl)phthalate	333	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	333	UG/KG	U	U	
REG	Carbazole	333	UG/KG	U	U	
REG	Chrysene	333	UG/KG	U	U	
REG	Di-n-butyl Phthalate	333	UG/KG	U	U	
REG	Di-n-octyl Phthalate	333	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	333	UG/KG	U	U	
REG	Dibenzofuran	333	UG/KG	U	U	
REG	Diethyl Phthalate	333	UG/KG	U	U	
REG	Dimethyl Phthalate	333	UG/KG	U	U	
REG	Fluoranthene	333	UG/KG	U	U	
REG	Fluorene	333	UG/KG	U	U	
REG	Hexachlorobenzene	333	UG/KG	U	U	
REG	Hexachlorobutadiene	333	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	333	UG/KG	U	U	
REG	Hexachloroethane	333	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	333	UG/KG	U	U	
REG	Isophorone	333	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	333	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	333	UG/KG	U	U	
REG	Naphthalene	333	UG/KG	U	U	
REG	Nitrobenzene	333	UG/KG	U	U	
REG	Pentachlorophenol	833	UG/KG	U	U	
REG	Phenanthrene	333	UG/KG	U	U	
REG	Phenol	333	UG/KG	U	U	
REG	Pyrene	333	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SS-10 12A-SS-10

127A12 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	8120	MG/KG		=	
REG	Antimony	.24	MG/KG	U	=	
REG	Arsenic	0.84	MG/KG	B	J	
REG	Barium	18.5	MG/KG	B	J	
REG	Beryllium	.04	MG/KG	B	U	F12
REG	Cadmium	0.11	MG/KG	U	U	
REG	Calcium	88.2	MG/KG		=	
REG	Chromium	7.8	MG/KG		=	
REG	Cobalt	.42	MG/KG	B	=	
REG	Copper	2.3	MG/KG	J		P01
REG	Iron	4100	MG/KG	J		P01
REG	Lead	5.5	MG/KG		=	
REG	Magnesium	178	MG/KG		=	
REG	Manganese	9.5	MG/KG		=	
REG	Mercury	0.02	MG/KG	UN	U	101
REG	Nickel	2.9	MG/KG	J		P01
REG	Potassium	191	MG/KG		=	
REG	Selenium	0.24	MG/KG	U	U	
REG	Silver	0.26	MG/KG	B	J	
REG	Sodium	6.8	MG/KG	B	=	
REG	Thallium	.39	MG/KG	U	UJ	F01
REG	Vanadium	12.7	MG/KG		=	
REG	Zinc	4	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	

Location: SWMU-12A
 Station : 12A-SS-10 12A-SS-10

127A12 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	333	UG/KG	U	U	
REG	1,2-Dichlorobenzene	333	UG/KG	U	U	
REG	1,3-Dichlorobenzene	333	UG/KG	U	U	
REG	1,4-Dichlorobenzene	333	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	333	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	833	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	333	UG/KG	U	U	
REG	2,4-Dichlorophenol	333	UG/KG	U	U	
REG	2,4-Dimethylphenol	333	UG/KG	U	U	
REG	2,4-Dinitrophenol	833	UG/KG	U	U	
REG	2,4-Dinitrotoluene	333	UG/KG	U	U	
REG	2,6-Dinitrotoluene	333	UG/KG	U	U	
REG	2-Chloronaphthalene	333	UG/KG	U	U	
REG	2-Chlorophenol	333	UG/KG	U	U	
REG	2-Methylnaphthalene	333	UG/KG	U	U	
REG	2-Methylphenol	333	UG/KG	U	U	
REG	2-Nitroaniline	833	UG/KG	U	U	
REG	2-Nitrophenol	333	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	333	UG/KG	U	U	
REG	3-Nitroaniline	833	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	833	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	333	UG/KG	U	U	
REG	4-Chloroaniline	333	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	333	UG/KG	U	U	
REG	4-Methylphenol	333	UG/KG	U	U	
REG	4-Nitroaniline	833	UG/KG	U	U	
REG	4-Nitrophenol	833	UG/KG	U	U	
REG	4-chloro-3-methylphenol	333	UG/KG	U	U	
REG	Acenaphthene	333	UG/KG	U	U	
REG	Acenaphthylene	333	UG/KG	U	U	
REG	Anthracene	333	UG/KG	U	U	
REG	Benzo(a)anthracene	333	UG/KG	U	U	
REG	Benzo(a)pyrene	333	UG/KG	U	U	
REG	Benzo(b)fluoranthene	333	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	333	UG/KG	U	U	
REG	Benzo(k)fluoranthene	333	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	333	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	333	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	333	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	333	UG/KG	U	U	
REG	Carbazole	333	UG/KG	U	U	
REG	Chrysene	333	UG/KG	U	U	
REG	Di-n-butyl Phthalate	333	UG/KG	U	U	
REG	Di-n-octyl Phthalate	333	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	333	UG/KG	U	U	
REG	Dibenzofuran	333	UG/KG	U	U	
REG	Diethyl Phthalate	333	UG/KG	U	U	
REG	Dimethyl Phthalate	333	UG/KG	U	U	
REG	Fluoranthene	333	UG/KG	U	U	
REG	Fluorene	333	UG/KG	U	U	
REG	Hexachlorobenzene	333	UG/KG	U	U	
REG	Hexachlorobutadiene	333	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	333	UG/KG	U	U	
REG	Hexachloroethane	333	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	333	UG/KG	U	U	
REG	Isophorone	333	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	333	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	333	UG/KG	U	U	
REG	Naphthalene	333	UG/KG	U	U	
REG	Nitrobenzene	333	UG/KG	U	U	
REG	Pentachlorophenol	833	UG/KG	U	U	
REG	Phenanthrene	333	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SS-10 12A-SS-10

127A12 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Phenol	333	UG/KG	U	U	
REG	Pyrene	333	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SS-11 12A-SS-11

127B12 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2870	MG/KG	=		
REG	Antimony	1	MG/KG	=		
REG	Arsenic	0.66	MG/KG	B	J	
REG	Barium	13.4	MG/KG	B	J	
REG	Beryllium	.05	MG/KG	B	U	F12
REG	Cadmium	0.15	MG/KG	B	J	
REG	Calcium	596	MG/KG	=		
REG	Chromium	2.3	MG/KG	=		
REG	Cobalt	.21	MG/KG	B	U	F01
REG	Copper	3.8	MG/KG	J		P01
REG	Iron	987	MG/KG	J		P01
REG	Lead	22.6	MG/KG	=		
REG	Magnesium	103	MG/KG	=		
REG	Manganese	84.8	MG/KG	=		
REG	Mercury	0.07	MG/KG	N*	J	I01
REG	Nickel	1.5	MG/KG	J		F01,P01
REG	Potassium	73.8	MG/KG	=		
REG	Selenium	0.24	MG/KG	U	U	
REG	Silver	0.23	MG/KG	B	J	
REG	Sodium	6.7	MG/KG	B	=	
REG	Thallium	.39	MG/KG	U	UJ	F01
REG	Vanadium	2.7	MG/KG	=		
REG	Zinc	15.1	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	333	UG/KG	U	U	
REG	1,2-Dichlorobenzene	333	UG/KG	U	U	
REG	1,3-Dichlorobenzene	333	UG/KG	U	U	
REG	1,4-Dichlorobenzene	333	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	333	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	833	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	333	UG/KG	U	U	
REG	2,4-Dichlorophenol	333	UG/KG	U	U	
REG	2,4-Dimethylphenol	333	UG/KG	U	U	
REG	2,4-Dinitrophenol	833	UG/KG	U	U	
REG	2,4-Dinitrotoluene	333	UG/KG	U	U	
REG	2,6-Dinitrotoluene	333	UG/KG	U	U	
REG	2-Chloronaphthalene	333	UG/KG	U	U	
REG	2-Chlorophenol	333	UG/KG	U	U	
REG	2-Methylnaphthalene	333	UG/KG	U	U	
REG	2-Methylphenol	333	UG/KG	U	U	
REG	2-Nitroaniline	833	UG/KG	U	U	

Location: SWMU-12A
Station: 12A-SS-11 12A-SS-11

127B12

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2-Nitrophenol	333	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	333	UG/KG	U	U	
REG	3-Nitroaniline	833	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	833	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	333	UG/KG	U	U	
REG	4-Chloroaniline	333	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	333	UG/KG	U	U	
REG	4-Methylphenol	333	UG/KG	U	U	
REG	4-Nitroaniline	833	UG/KG	U	U	
REG	4-Nitrophenol	833	UG/KG	U	U	
REG	4-chloro-3-methylphenol	333	UG/KG	U	U	
REG	Acenaphthene	333	UG/KG	U	U	
REG	Acenaphthylene	333	UG/KG	U	U	
REG	Anthracene	333	UG/KG	U	U	
REG	Benzo(a)anthracene	333	UG/KG	U	U	
REG	Benzo(a)pyrene	333	UG/KG	U	U	
REG	Benzo(b)fluoranthene	333	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	333	UG/KG	U	U	
REG	Benzo(k)fluoranthene	333	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	333	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	333	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	333	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	333	UG/KG	U	U	
REG	Carbazole	333	UG/KG	U	U	
REG	Chrysene	333	UG/KG	U	U	
REG	Di-n-butyl Phthalate	333	UG/KG	U	U	
REG	Di-n-octyl Phthalate	333	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	333	UG/KG	U	U	
REG	Dibenzofuran	333	UG/KG	U	U	
REG	Diethyl Phthalate	333	UG/KG	U	U	
REG	Dimethyl Phthalate	333	UG/KG	U	U	
REG	Fluoranthene	333	UG/KG	U	U	
REG	Fluorene	333	UG/KG	U	U	
REG	Hexachlorobenzene	333	UG/KG	U	U	
REG	Hexachlorobutadiene	333	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	333	UG/KG	U	U	
REG	Hexachloroethane	333	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	333	UG/KG	U	U	
REG	Isophorone	333	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	333	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	333	UG/KG	U	U	
REG	Naphthalene	333	UG/KG	U	U	
REG	Nitrobenzene	333	UG/KG	U	U	
REG	Pentachlorophenol	833	UG/KG	U	U	
REG	Phenanthrene	333	UG/KG	U	U	
REG	Phenol	333	UG/KG	U	U	
REG	Pyrene	333	UG/KG	U	U	
TIC REG	237.0 OIL AND GREASE	237	UG/KG	J		
TIC REG	266.0 OIL AND GREASE	266	UG/KG	J		
TIC REG	200.0 OIL AND GREASE	200	UG/KG	J		
TIC REG	312.0 OIL AND GREASE	312	UG/KG	J		
TIC REG	204.0 OIL AND GREASE	204	UG/KG	J		
TIC REG	240.0 OIL AND GREASE	240	UG/KG	J		
TIC REG	521.0 OIL AND GREASE	521	UG/KG	J		
TIC REG	158.0 OIL AND GREASE	158	UG/KG	J		
TIC REG	164.0 OIL AND GREASE	164	UG/KG	J		
TIC REG	141.0 OIL AND GREASE	141	UG/KG	J		
TIC REG	315.0 OIL AND GREASE	315	UG/KG	J		
TIC REG	298.0 OIL AND GREASE	298	UG/KG	J		
TIC REG	178.0 OIL AND GREASE	178	UG/KG	J		
TIC REG	1120. OIL AND GREASE	1120	UG/KG	NJ		
TIC REG	229.0 OIL AND GREASE	229	UG/KG	J		
TIC REG	395.0 OIL AND GREASE	395	UG/KG	J		
TIC REG	1090. OIL AND GREASE	1090	UG/KG	NJ		
TIC REG	418.0 OIL AND GREASE	418	UG/KG	J		
TIC REG	683.0 Phenanthrene	683	UG/KG	NJ		

Location: SWMU-12A

Station: 12A-SS-12

12A-SS-12

127C12

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	3370	MG/KG	=		
REG	Antimony	.24	MG/KG	U	=	
REG	Arsenic	0.66	MG/KG	B	J	
REG	Barium	14.4	MG/KG	B	J	
REG	Beryllium	.05	MG/KG	B	U	F12
REG	Cadmium	0.11	MG/KG	U	U	
REG	Calcium	210	MG/KG	=		
REG	Chromium	2.3	MG/KG	=		
REG	Cobalt	.3	MG/KG	B	U	F01
REG	Copper	3.7	MG/KG	J		P01
REG	Iron	976	MG/KG	J		P01
REG	Lead	23.8	MG/KG	=		
REG	Magnesium	96.9	MG/KG	=		
REG	Manganese	77.2	MG/KG	=		
REG	Mercury	0.01	MG/KG	UN	U	I01
REG	Nickel	1.6	MG/KG	J		F01,P01
REG	Potassium	91.5	MG/KG	=		
REG	Selenium	0.24	MG/KG	U	U	
REG	Silver	0.2	MG/KG	U	U	
REG	Sodium	5	MG/KG	B	=	
REG	Thallium	.39	MG/KG	U	UJ	F01
REG	Vanadium	2.6	MG/KG	=		
REG	Zinc	8.8	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	333	UG/KG	U	U	
REG	1,2-Dichlorobenzene	333	UG/KG	U	U	
REG	1,3-Dichlorobenzene	333	UG/KG	U	U	
REG	1,4-Dichlorobenzene	333	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	333	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	833	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	333	UG/KG	U	U	
REG	2,4-Dichlorophenol	333	UG/KG	U	U	
REG	2,4-Dimethylphenol	333	UG/KG	U	U	
REG	2,4-Dinitrophenol	833	UG/KG	U	U	
REG	2,4-Dinitrotoluene	299	UG/KG	J	J	
REG	2,6-Dinitrotoluene	333	UG/KG	U	U	
REG	2-Chloronaphthalene	333	UG/KG	U	U	
REG	2-Chlorophenol	333	UG/KG	U	U	
REG	2-Methylnaphthalene	333	UG/KG	U	U	
REG	2-Methylphenol	333	UG/KG	U	U	
REG	2-Nitroaniline	833	UG/KG	U	U	
REG	2-Nitrophenol	333	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	333	UG/KG	U	U	
REG	3-Nitroaniline	833	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	833	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	333	UG/KG	U	U	
REG	4-Chloroaniline	333	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	333	UG/KG	U	U	
REG	4-Methylphenol	333	UG/KG	U	U	
REG	4-Nitroaniline	833	UG/KG	U	U	
REG	4-Nitrophenol	833	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SS-12 12A-SS-12

127C12 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-chloro-3-methylphenol	333	UG/KG	U	U	
REG	Acenaphthene	333	UG/KG	U	U	
REG	Acenaphthylene	333	UG/KG	U	U	
REG	Anthracene	333	UG/KG	U	U	
REG	Benzo(a)anthracene	333	UG/KG	U	U	
REG	Benzo(a)pyrene	333	UG/KG	U	U	
REG	Benzo(b)fluoranthene	333	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	333	UG/KG	U	U	
REG	Benzo(k)fluoranthene	333	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	333	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	333	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	333	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	333	UG/KG	U	U	
REG	Carbazole	333	UG/KG	U	U	
REG	Chrysene	333	UG/KG	U	U	
REG	Di-n-butyl Phthalate	1190	UG/KG		=	
REG	Di-n-octyl Phthalate	333	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	333	UG/KG	U	U	
REG	Dibenzofuran	333	UG/KG	U	U	
REG	Diethyl Phthalate	333	UG/KG	U	U	
REG	Dimethyl Phthalate	333	UG/KG	U	U	
REG	Fluoranthene	333	UG/KG	U	U	
REG	Fluorene	333	UG/KG	U	U	
REG	Hexachlorobenzene	333	UG/KG	U	U	
REG	Hexachlorobutadiene	333	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	333	UG/KG	U	U	
REG	Hexachloroethane	333	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	333	UG/KG	U	U	
REG	Isophorone	333	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	333	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	333	UG/KG	U	U	
REG	Naphthalene	333	UG/KG	U	U	
REG	Nitrobenzene	333	UG/KG	U	U	
REG	Pentachlorophenol	833	UG/KG	U	U	
REG	Phenanthrene	333	UG/KG	U	U	
REG	Phenol	333	UG/KG	U	U	
REG	Pyrene	333	UG/KG	U	U	
TIC REG	176.0 OIL AND GREASE	176	UG/KG	J		
TIC REG	140.0 OIL AND GREASE	140	UG/KG	NJ		

Location: SWMU-12A
Station : 12A-SS-13 12A-SS-13

127D12 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	3260	MG/KG		=	
REG	Antimony	.28	MG/KG	U	U	
REG	Arsenic	0.5	MG/KG	B	J	
REG	Barium	14.1	MG/KG	B	J	
REG	Beryllium	.06	MG/KG	B	U	F12
REG	Cadmium	0.11	MG/KG	U	U	
REG	Calcium	56.6	MG/KG		=	
REG	Chromium	2.1	MG/KG		=	
REG	Cobalt	.29	MG/KG	B	U	F01
REG	Copper	1.9	MG/KG	J	J	P01
REG	Iron	1120	MG/KG	J	J	P01
REG	Lead	16.7	MG/KG		=	
REG	Magnesium	91.4	MG/KG		=	
REG	Manganese	80.9	MG/KG		=	
REG	Mercury	0.02	MG/KG	UN	U	I01
REG	Nickel	1.5	MG/KG	J	J	F01,P01
REG	Potassium	66.2	MG/KG		=	
REG	Selenium	0.24	MG/KG	U	U	
REG	Silver	0.2	MG/KG	U	U	
REG	Sodium	3.7	MG/KG	B	=	
REG	Thallium	.39	MG/KG	U	UJ	F01
REG	Vanadium	2.6	MG/KG		=	

Location: SWMU-12A
Station: 12A-SS-13

127D12 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Zinc	5.6	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	333	UG/KG	U	U	
REG	1,2-Dichlorobenzene	333	UG/KG	U	U	
REG	1,3-Dichlorobenzene	333	UG/KG	U	U	
REG	1,4-Dichlorobenzene	333	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	333	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	833	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	333	UG/KG	U	U	
REG	2,4-Dichlorophenol	333	UG/KG	U	U	
REG	2,4-Dimethylphenol	333	UG/KG	U	U	
REG	2,4-Dinitrophenol	833	UG/KG	U	U	
REG	2,4-Dinitrotoluene	333	UG/KG	U	U	
REG	2,6-Dinitrotoluene	333	UG/KG	U	U	
REG	2-Chloronaphthalene	333	UG/KG	U	U	
REG	2-Chlorophenol	333	UG/KG	U	U	
REG	2-Methylnaphthalene	333	UG/KG	U	U	
REG	2-Methylphenol	333	UG/KG	U	U	
REG	2-Nitroaniline	833	UG/KG	U	U	
REG	2-Nitrophenol	333	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	333	UG/KG	U	U	
REG	3-Nitroaniline	833	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	833	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	333	UG/KG	U	U	
REG	4-Chloroaniline	333	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	333	UG/KG	U	U	
REG	4-Methylphenol	333	UG/KG	U	U	
REG	4-Nitroaniline	833	UG/KG	U	U	
REG	4-Nitrophenol	833	UG/KG	U	U	
REG	4-chloro-3-methylphenol	333	UG/KG	U	U	
REG	Acenaphthene	333	UG/KG	U	U	
REG	Acenaphthylene	333	UG/KG	U	U	
REG	Anthracene	333	UG/KG	U	U	
REG	Benzo(a)anthracene	333	UG/KG	U	U	
REG	Benzo(a)pyrene	333	UG/KG	U	U	
REG	Benzo(b)fluoranthene	333	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	333	UG/KG	U	U	
REG	Benzo(k)fluoranthene	333	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	333	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	333	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	333	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	333	UG/KG	U	U	
REG	Carbazole	333	UG/KG	U	U	
REG	Chrysene	333	UG/KG	U	U	
REG	Di-n-butyl Phthalate	673	UG/KG	=		
REG	Di-n-octyl Phthalate	333	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	333	UG/KG	U	U	
REG	Dibenzofuran	333	UG/KG	U	U	
REG	Diethyl Phthalate	333	UG/KG	U	U	
REG	Dimethyl Phthalate	333	UG/KG	U	U	
REG	Fluoranthene	333	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SS-13 12A-SS-13

127D12 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Fluorene	333	UG/KG	U	U	
REG	Hexachlorobenzene	333	UG/KG	U	U	
REG	Hexachlorobutadiene	333	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	333	UG/KG	U	U	
REG	Hexachloroethane	333	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	333	UG/KG	U	U	
REG	Isophorone	333	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	333	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	333	UG/KG	U	U	
REG	Naphthalene	333	UG/KG	U	U	
REG	Nitrobenzene	333	UG/KG	U	U	
REG	Pentachlorophenol	833	UG/KG	U	U	
REG	Phenanthrene	333	UG/KG	U	U	
REG	Phenol	333	UG/KG	U	U	
REG	Pyrene	333	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SS-14 12A-SS-14

127E12 0.0 - 1.0 FT Field Sample Type: Grab Matrix: Soil Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	2840	MG/KG	=		
REG	Antimony	.29	MG/KG	U	=	
REG	Arsenic	0.4	MG/KG	B	J	
REG	Barium	12.7	MG/KG	B	J	
REG	Beryllium	.04	MG/KG	B	U	F12
REG	Cadmium	0.11	MG/KG	U	U	
REG	Calcium	165	MG/KG	=		
REG	Chromium	2	MG/KG	=		
REG	Cobalt	.18	MG/KG	B	U	F01
REG	Copper	3.8	MG/KG	J		P01
REG	Iron	878	MG/KG	J		P01
REG	Lead	21.5	MG/KG	=		
REG	Magnesium	81.7	MG/KG	=		
REG	Manganese	67.3	MG/KG	=		
REG	Mercury	0.06	MG/KG	N*	J	I01
REG	Nickel	1.3	MG/KG	J		F01,P01
REG	Potassium	74.2	MG/KG	=		
REG	Selenium	0.24	MG/KG	U	U	
REG	Silver	0.22	MG/KG	B	J	
REG	Sodium	4.0	MG/KG	B	=	
REG	Thallium	.39	MG/KG	U	UJ	F01
REG	Vanadium	2.4	MG/KG	=		
REG	Zinc	8.9	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	333	UG/KG	U	U	
REG	1,2-Dichlorobenzene	333	UG/KG	U	U	
REG	1,3-Dichlorobenzene	333	UG/KG	U	U	
REG	1,4-Dichlorobenzene	333	UG/KG	U	U	

Location: SWMU-12A

Station: 12A-SS-14 12A-SS-14

127E12

0.0 - 1.0 FT

Field Sample Type: Grab

Matrix: Soil

Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	2,2'-oxybis (1-chloropropane)	333	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	833	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	333	UG/KG	U	U	
REG	2,4-Dichlorophenol	333	UG/KG	U	U	
REG	2,4-Dimethylphenol	333	UG/KG	U	U	
REG	2,4-Dinitrophenol	833	UG/KG	U	U	
REG	2,4-Dinitrotoluene	333	UG/KG	U	U	
REG	2,6-Dinitrotoluene	333	UG/KG	U	U	
REG	2-Chloronaphthalene	333	UG/KG	U	U	
REG	2-Chlorophenol	333	UG/KG	U	U	
REG	2-Methylnaphthalene	333	UG/KG	U	U	
REG	2-Methylphenol	333	UG/KG	U	U	
REG	2-Nitroaniline	833	UG/KG	U	U	
REG	2-Nitrophenol	333	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	333	UG/KG	U	U	
REG	3-Nitroaniline	833	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	833	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	333	UG/KG	U	U	
REG	4-Chloroaniline	333	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	333	UG/KG	U	U	
REG	4-Methylphenol	333	UG/KG	U	U	
REG	4-Nitroaniline	833	UG/KG	U	U	
REG	4-Nitrophenol	833	UG/KG	U	U	
REG	4-chloro-3-methylphenol	333	UG/KG	U	U	
REG	Acenaphthene	333	UG/KG	U	U	
REG	Acenaphthylene	333	UG/KG	U	U	
REG	Anthracene	333	UG/KG	U	U	
REG	Benzo(a)anthracene	333	UG/KG	U	U	
REG	Benzo(a)pyrene	333	UG/KG	U	U	
REG	Benzo(b)fluoranthene	333	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	333	UG/KG	U	U	
REG	Benzo(k)fluoranthene	333	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	333	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	333	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	333	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	333	UG/KG	U	U	
REG	Carbazole	333	UG/KG	U	U	
REG	Chrysene	333	UG/KG	U	U	
REG	Di-n-butyl Phthalate	194	UG/KG	J	J	
REG	Di-n-octyl Phthalate	333	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	333	UG/KG	U	U	
REG	Dibenzofuran	333	UG/KG	U	U	
REG	Diethyl Phthalate	333	UG/KG	U	U	
REG	Dimethyl Phthalate	333	UG/KG	U	U	
REG	Fluoranthene	333	UG/KG	U	U	
REG	Fluorene	333	UG/KG	U	U	
REG	Hexachlorobenzene	333	UG/KG	U	U	
REG	Hexachlorobutadiene	333	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	333	UG/KG	U	U	
REG	Hexachloroethane	333	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	333	UG/KG	U	U	
REG	Isophorone	333	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	333	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	333	UG/KG	U	U	
REG	Naphthalene	333	UG/KG	U	U	
REG	Nitrobenzene	333	UG/KG	U	U	
REG	Pentachlorophenol	833	UG/KG	U	U	
REG	Phenanthrene	333	UG/KG	U	U	
REG	Phenol	333	UG/KG	U	U	
REG	Pyrene	333	UG/KG	U	U	
TIC REG	204.0 OIL AND GREASE	204	UG/KG	J		
TIC REG	968.0 OIL AND GREASE	968	UG/KG	J		

Location: SWMU-12A
Station: 12A-SWS-1 12A-SWS-1

122112

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 09/02/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	4400	MG/KG	=		
REG	Antimony	.51	MG/KG	U	U	
REG	Arsenic	0.63	MG/KG	U	U	
REG	Barium	19	MG/KG	B	J	P01
REG	Beryllium	.15	MG/KG	B	=	
REG	Cadmium	0.24	MG/KG	U	U	
REG	Calcium	342	MG/KG	=		
REG	Chromium	3.6	MG/KG	B	J	
REG	Cobalt	.21	MG/KG	B	=	
REG	Copper	1.4	MG/KG	B	J	P01
REG	Iron	740	MG/KG	J		P01
REG	Lead	5.7	MG/KG	=		
REG	Magnesium	136	MG/KG	=		
REG	Manganese	4.6	MG/KG	=		
REG	Mercury	0.1	MG/KG	B	J	
REG	Nickel	1.4	MG/KG	B	J	F01,P01
REG	Potassium	54.7	MG/KG	=		
REG	Selenium	0.5	MG/KG	U	U	
REG	Silver	0.45	MG/KG	B	U	F06
REG	Sodium	26.5	MG/KG	=		
REG	Thallium	.83	MG/KG	U	UJ	F12
REG	Vanadium	4.1	MG/KG	B	=	
REG	Zinc	3.1	MG/KG	=		

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	720	UG/KG	U	U	
REG	1,2-Dichlorobenzene	720	UG/KG	U	U	
REG	1,3-Dichlorobenzene	720	UG/KG	U	U	
REG	1,4-Dichlorobenzene	720	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	720	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1800	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	720	UG/KG	U	U	
REG	2,4-Dichlorophenol	720	UG/KG	U	U	
REG	2,4-Dimethylphenol	720	UG/KG	U	U	
REG	2,4-Dinitrophenol	1800	UG/KG	U	U	
REG	2,4-Dinitrotoluene	720	UG/KG	U	U	
REG	2,6-Dinitrotoluene	720	UG/KG	U	U	
REG	2-Chloronaphthalene	720	UG/KG	U	U	
REG	2-Chlorophenol	720	UG/KG	U	U	
REG	2-Methylnaphthalene	720	UG/KG	U	U	
REG	2-Methylphenol	720	UG/KG	U	U	
REG	2-Nitroaniline	1800	UG/KG	U	U	
REG	2-Nitrophenol	720	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	720	UG/KG	U	U	
REG	3-Nitroaniline	1800	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1800	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	720	UG/KG	U	U	
REG	4-Chloroaniline	720	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	720	UG/KG	U	U	
REG	4-Methylphenol	720	UG/KG	U	U	
REG	4-Nitroaniline	1800	UG/KG	U	U	
REG	4-Nitrophenol	1800	UG/KG	U	U	

Location: SWMU-12A
Station: 12A-SWS-1 12A-SWS-1

122112 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 09/02/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-chloro-3-methylphenol	720	UG/KG	U	U	
REG	Acenaphthene	720	UG/KG	U	U	
REG	Acenaphthylene	720	UG/KG	U	U	
REG	Anthracene	720	UG/KG	U	U	
REG	Benzo(a)anthracene	720	UG/KG	U	U	
REG	Benzo(a)pyrene	720	UG/KG	U	U	
REG	Benzo(b)fluoranthene	720	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	720	UG/KG	U	U	
REG	Benzo(k)fluoranthene	720	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	720	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	720	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	720	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	720	UG/KG	U	U	
REG	Carbazole	720	UG/KG	U	U	
REG	Chrysene	720	UG/KG	U	U	
REG	Di-n-butyl Phthalate	720	UG/KG	U	U	
REG	Di-n-octyl Phthalate	720	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	720	UG/KG	U	U	
REG	Dibenzofuran	720	UG/KG	U	U	
REG	Diethyl Phthalate	720	UG/KG	U	U	
REG	Dimethyl Phthalate	720	UG/KG	U	U	
REG	Fluoranthene	720	UG/KG	U	U	
REG	Fluorene	720	UG/KG	U	U	
REG	Hexachlorobenzene	720	UG/KG	U	U	
REG	Hexachlorobutadiene	720	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	720	UG/KG	U	U	
REG	Hexachloroethane	720	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	720	UG/KG	U	U	
REG	Isophorone	720	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	720	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	720	UG/KG	U	U	
REG	Naphthalene	720	UG/KG	U	U	
REG	Nitrobenzene	720	UG/KG	U	U	
REG	Pentachlorophenol	1800	UG/KG	U	U	
REG	Phenanthrene	720	UG/KG	U	U	
REG	Phenol	720	UG/KG	U	U	
REG	Pyrene	720	UG/KG	U	U	
TIC REG	290.0 OIL AND GREASE	290	UG/KG	J		

Location: SWMU-12A
Station: 12A-SWS-2 12A-SWS-2

122212 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 09/02/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	5300	MG/KG		=	
REG	Antimony	.30	MG/KG	U	=	
REG	Arsenic	0.76	MG/KG	B	J	
REG	Barium	32	MG/KG	B	J	P01
REG	Beryllium	.09	MG/KG	B	U	F12
REG	Cadmium	0.14	MG/KG	U	U	
REG	Calcium	679	MG/KG		=	
REG	Chromium	4.2	MG/KG		=	
REG	Cobalt	.37	MG/KG	B	U	F01
REG	Copper	5.4	MG/KG	J		P01
REG	Iron	2600	MG/KG	J		P01
REG	Lead	14.6	MG/KG		=	
REG	Magnesium	199	MG/KG		=	
REG	Manganese	7.4	MG/KG		=	
REG	Mercury	0.13	MG/KG		=	
REG	Nickel	2.2	MG/KG	J		F01,P01
REG	Potassium	128	MG/KG		=	
REG	Selenium	0.3	MG/KG	U	U	
REG	Silver	0.26	MG/KG	B	U	F06
REG	Sodium	27.2	MG/KG		=	
REG	Thallium	.49	MG/KG	U	UJ	F12
REG	Vanadium	6.6	MG/KG		=	
REG	Zinc	10.6	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
REG	1,2,4-Trichlorobenzene	430	UG/KG	U	U	
REG	1,2-Dichlorobenzene	430	UG/KG	U	U	
REG	1,3-Dichlorobenzene	430	UG/KG	U	U	
REG	1,4-Dichlorobenzene	430	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	430	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1080	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	430	UG/KG	U	U	
REG	2,4-Dichlorophenol	430	UG/KG	U	U	
REG	2,4-Dimethylphenol	430	UG/KG	U	U	
REG	2,4-Dinitrophenol	1080	UG/KG	U	U	
REG	2,4-Dinitrotoluene	430	UG/KG	U	U	
REG	2,6-Dinitrotoluene	430	UG/KG	U	U	
REG	2-Chloronaphthalene	430	UG/KG	U	U	
REG	2-Chlorophenol	430	UG/KG	U	U	
REG	2-Methylnaphthalene	430	UG/KG	U	U	
REG	2-Methylphenol	430	UG/KG	U	U	
REG	2-Nitroaniline	1080	UG/KG	U	U	
REG	2-Nitrophenol	430	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	430	UG/KG	U	U	
REG	3-Nitroaniline	1080	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1080	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	430	UG/KG	U	U	
REG	4-Chloroaniline	430	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	430	UG/KG	U	U	
REG	4-Methylphenol	430	UG/KG	U	U	
REG	4-Nitroaniline	1080	UG/KG	U	U	
REG	4-Nitrophenol	1080	UG/KG	U	U	
REG	4-chloro-3-methylphenol	430	UG/KG	U	U	
REG	Acenaphthene	430	UG/KG	U	U	
REG	Acenaphthylene	430	UG/KG	U	U	
REG	Anthracene	430	UG/KG	U	U	
REG	Benzo(a)anthracene	430	UG/KG	U	U	
REG	Benzo(a)pyrene	430	UG/KG	U	U	
REG	Benzo(b)fluoranthene	430	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	430	UG/KG	U	U	
REG	Benzo(k)fluoranthene	430	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	430	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	430	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	430	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	430	UG/KG	U	U	
REG	Carbazole	430	UG/KG	U	U	
REG	Chrysene	430	UG/KG	U	U	
REG	Di-n-butyl Phthalate	487	UG/KG		=	
REG	Di-n-octyl Phthalate	430	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	430	UG/KG	U	U	
REG	Dibenzofuran	430	UG/KG	U	U	
REG	Diethyl Phthalate	430	UG/KG	U	U	
REG	Dimethyl Phthalate	430	UG/KG	U	U	
REG	Fluoranthene	430	UG/KG	U	U	
REG	Fluorene	430	UG/KG	U	U	
REG	Hexachlorobenzene	430	UG/KG	U	U	
REG	Hexachlorobutadiene	430	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	430	UG/KG	U	U	
REG	Hexachloroethane	430	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	430	UG/KG	U	U	
REG	Isophorone	430	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	430	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	430	UG/KG	U	U	

Location: SWMU-12A
Station: 12A-SWS-2 12A-SWS-2

122212 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 09/02/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Naphthalene	430	UG/KG	U	U	
REG	Nitrobenzene	430	UG/KG	U	U	
REG	Pentachlorophenol	1080	UG/KG	U	U	
REG	Phenanthrene	430	UG/KG	U	U	
REG	Phenol	430	UG/KG	U	U	
REG	Pyrene	430	UG/KG	U	U	
TIC REG	676.0 OIL AND GREASE	676	UG/KG	J		
TIC REG	365.0 OIL AND GREASE	365	UG/KG	J		
TIC REG	811.0 OIL AND GREASE	811	UG/KG	NJ		
TIC REG	2220. OIL AND GREASE	2220	UG/KG	J		
TIC REG	234.0 OIL AND GREASE	234	UG/KG	NJ		
TIC REG	459.0 OIL AND GREASE	459	UG/KG	J		
TIC REG	2960. OIL AND GREASE	2960	UG/KG	J		
TIC REG	493.0 OIL AND GREASE	493	UG/KG	J		
TIC REG	365.0 OIL AND GREASE	365	UG/KG	J		
TIC REG	234.0 OIL AND GREASE	234	UG/KG	J		
TIC REG	3390. OIL AND GREASE	3390	UG/KG	J		
TIC REG	226.0 OIL AND GREASE	226	UG/KG	J		
TIC REG	282.0 OIL AND GREASE	282	UG/KG	J		
TIC REG	248.0 OIL AND GREASE	248	UG/KG	J		
TIC REG	478.0 OIL AND GREASE	478	UG/KG	J		
TIC REG	222.0 OIL AND GREASE	222	UG/KG	J		
TIC REG	994.0 OIL AND GREASE	994	UG/KG	NJ		
TIC REG	1410. OIL AND GREASE	1410	UG/KG	J		
TIC REG	407.0 OIL AND GREASE	407	UG/KG	NJ		
TIC REG	206.0 OIL AND GREASE	206	UG/KG	J		
TIC REG	290.0 OIL AND GREASE	290	UG/KG	J		

123212 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Surface Water Collected: 09/02/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	1640	UG/L		=	
REG	Antimony	2.5	UG/L	U	U	
REG	Arsenic	3	UG/L	U	U	
REG	Barium	18	UG/L	B	J	
REG	Beryllium	.13	UG/L	U	U	
REG	Cadmium	1.1	UG/L	U	U	
REG	Calcium	969	UG/L		=	
REG	Chromium	1.7	UG/L	B	J	
REG	Cobalt	.82	UG/L	U	U	
REG	Copper	2.4	UG/L	B	U	F01
REG	Iron	1040	UG/L		=	
REG	Lead	1.9	UG/L	B	J	
REG	Magnesium	500	UG/L		=	
REG	Manganese	7.7	UG/L		=	
REG	Mercury	0.1	UG/L	U	UJ	P01
REG	Nickel	3.6	UG/L	B	U	F01
REG	Potassium	707	UG/L		=	
REG	Selenium	2.4	UG/L	U	U	
REG	Silver	2	UG/L	U	U	
REG	Sodium	4380	UG/L		=	
REG	Thallium	4	UG/L	U	U	
REG	Vanadium	1.9	UG/L	B	=	
REG	Zinc	4.8	UG/L	B	U	F01

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	2	UG/L	U	U	
REG	1,3-Dinitrobenzene	3	UG/L	U	U	
REG	2,4,6-Trinitrotoluene	3	UG/L	U	U	
REG	2,4-Dinitrotoluene	0.1	UG/L	U	U	
REG	2,6-Dinitrotoluene	0.1	UG/L	U	U	
REG	2-Nitrotoluene	10	UG/L	U	U	
REG	3-Nitrotoluene	10	UG/L	U	U	
REG	4-Nitrotoluene	10	UG/L	U	U	
REG	HMX	20	UG/L	U	UJ	P01
REG	Nitrobenzene	10	UG/L	U	U	
REG	RDX	20	UG/L	U	U	

Location: SWMU-12A
Station: 12A-SWS-2 12A-SWS-2

123212

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Surface Water

Collected: 09/02/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Tetryl	50	UG/L	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	10.2	UG/L	U	U	
REG	1,2-Dichlorobenzene	10.2	UG/L	U	U	
REG	1,3-Dichlorobenzene	10.2	UG/L	U	U	
REG	1,4-Dichlorobenzene	10.2	UG/L	U	U	
REG	2,2'-oxybis (1-chloropropane)	10.2	UG/L	U	U	
REG	2,4,5-Trichlorophenol	25.5	UG/L	U	U	
REG	2,4,6-Trichlorophenol	10.2	UG/L	U	U	
REG	2,4-Dichlorophenol	10.2	UG/L	U	U	
REG	2,4-Dimethylphenol	10.2	UG/L	U	U	
REG	2,4-Dinitrophenol	25.5	UG/L	U	U	
REG	2,4-Dinitrotoluene	10.2	UG/L	U	U	
REG	2,6-Dinitrotoluene	10.2	UG/L	U	U	
REG	2-Chloronaphthalene	10.2	UG/L	U	U	
REG	2-Chlorophenol	10.2	UG/L	U	U	
REG	2-Methylnaphthalene	10.2	UG/L	U	U	
REG	2-Methylphenol	10.2	UG/L	U	U	
REG	2-Nitroaniline	25.5	UG/L	U	U	
REG	2-Nitrophenol	10.2	UG/L	U	U	
REG	3,3'-Dichlorobenzidine	10.2	UG/L	U	UJ	C05
REG	3-Nitroaniline	25.5	UG/L	U	UJ	C05
REG	4,6-Dinitro-o-Cresol	25.5	UG/L	U	U	
REG	4-Bromophenyl-phenyl Ether	10.2	UG/L	U	U	
REG	4-Chloroaniline	10.2	UG/L	U	U	
REG	4-Chlorophenyl-phenylether	10.2	UG/L	U	U	
REG	4-Methylphenol	10.2	UG/L	U	U	
REG	4-Nitroaniline	25.5	UG/L	U	U	
REG	4-Nitrophenol	25.5	UG/L	U	U	
REG	4-chloro-3-methylphenol	10.2	UG/L	U	U	
REG	Acenaphthene	10.2	UG/L	U	U	
REG	Acenaphthylene	10.2	UG/L	U	U	
REG	Anthracene	10.2	UG/L	U	U	
REG	Benzo(a)anthracene	10.2	UG/L	U	U	
REG	Benzo(a)pyrene	10.2	UG/L	U	U	
REG	Benzo(b)fluoranthene	10.2	UG/L	U	U	
REG	Benzo(g,h,i)perylene	10.2	UG/L	U	U	
REG	Benzo(k)fluoranthene	10.2	UG/L	U	U	
REG	Bis(2-chloroethoxy)methane	10.2	UG/L	U	U	
REG	Bis(2-chloroethyl)ether	10.2	UG/L	U	U	
REG	Bis(2-ethylhexyl)phthalate	10.2	UG/L	U	U	
REG	Butyl Benzyl Phthalate	10.2	UG/L	U	U	
REG	Carbazole	10.2	UG/L	U	UJ	C05
REG	Chrysene	10.2	UG/L	U	U	
REG	Di-n-butyl Phthalate	10.2	UG/L	U	U	
REG	Di-n-octyl Phthalate	10.2	UG/L	U	U	
REG	Dibenzo(a,h)anthracene	10.2	UG/L	U	U	
REG	Dibenzofuran	10.2	UG/L	U	U	
REG	Diethyl Phthalate	10.2	UG/L	U	U	
REG	Dimethyl Phthalate	10.2	UG/L	U	U	
REG	Fluoranthene	10.2	UG/L	U	U	
REG	Fluorene	10.2	UG/L	U	U	
REG	Hexachlorobenzene	10.2	UG/L	U	U	
REG	Hexachlorobutadiene	10.2	UG/L	U	U	
REG	Hexachlorocyclopentadiene	10.2	UG/L	U	U	
REG	Hexachloroethane	10.2	UG/L	U	U	
REG	Indeno(1,2,3-cd)pyrene	10.2	UG/L	U	U	
REG	Isophorone	10.2	UG/L	U	U	
REG	N-Nitroso-di-n-propylamine	10.2	UG/L	U	U	
REG	N-Nitrosodiphenylamine	10.2	UG/L	U	U	
REG	Naphthalene	10.2	UG/L	U	U	
REG	Nitrobenzene	10.2	UG/L	U	U	
REG	Pentachlorophenol	25.5	UG/L	U	U	
REG	Phenanthrene	10.2	UG/L	U	U	
REG	Phenol	10.2	UG/L	U	U	
REG	Pyrene	10.2	UG/L	U	U	

Location: SWMU-12A
Station : 12A-SWS-3 12A-SWS-3

122311 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 09/02/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	5650	MG/KG		=	
REG	Antimony	.72	MG/KG	U	U	
REG	Arsenic	1.3	MG/KG	B	J	
REG	Barium	101	MG/KG	B	J	P01
REG	Beryllium	.53	MG/KG	B	=	
REG	Cadmium	0.33	MG/KG	U	U	
REG	Calcium	1100	MG/KG		=	
REG	Chromium	4.6	MG/KG	B	J	
REG	Cobalt	.79	MG/KG	B	=	
REG	Copper	79.3	MG/KG		J	P01
REG	Iron	1400	MG/KG		J	P01
REG	Lead	16.7	MG/KG		=	
REG	Magnesium	259	MG/KG		=	
REG	Manganese	8.8	MG/KG		=	
REG	Mercury	0.16	MG/KG	B	J	
REG	Nickel	3.1	MG/KG		J	P01
REG	Potassium	174	MG/KG		=	
REG	Selenium	0.73	MG/KG	B	J	
REG	Silver	0.62	MG/KG	B	U	F06
REG	Sodium	67.0	MG/KG		=	
REG	Thallium	1.2	MG/KG	U	UJ	F12
REG	Vanadium	6.5	MG/KG		=	
REG	Zinc	17.8	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	1070	UG/KG	U	U	
REG	1,2-Dichlorobenzene	1070	UG/KG	U	U	
REG	1,3-Dichlorobenzene	1070	UG/KG	U	U	
REG	1,4-Dichlorobenzene	1070	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	1070	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	2670	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	1070	UG/KG	U	U	
REG	2,4-Dichlorophenol	1070	UG/KG	U	U	
REG	2,4-Dimethylphenol	1070	UG/KG	U	U	
REG	2,4-Dinitrophenol	2670	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1070	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1070	UG/KG	U	U	
REG	2-Chloronaphthalene	1070	UG/KG	U	U	
REG	2-Chlorophenol	1070	UG/KG	U	U	
REG	2-Methylnaphthalene	1070	UG/KG	U	U	
REG	2-Methylphenol	1070	UG/KG	U	U	
REG	2-Nitroaniline	2670	UG/KG	U	U	
REG	2-Nitrophenol	1070	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	1070	UG/KG	U	U	
REG	3-Nitroaniline	2670	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	2670	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	1070	UG/KG	U	U	
REG	4-Chloroaniline	1070	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	1070	UG/KG	U	U	
REG	4-Methylphenol	1070	UG/KG	U	U	
REG	4-Nitroaniline	2670	UG/KG	U	U	
REG	4-Nitrophenol	2670	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SWS-3 12A-SWS-3

122311 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 09/02/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	4-chloro-3-methylphenol	1070	UG/KG	U	U	
REG	Acenaphthene	1070	UG/KG	U	U	
REG	Acenaphthylene	1070	UG/KG	U	U	
REG	Anthracene	1070	UG/KG	U	U	
REG	Benzo(a)anthracene	1070	UG/KG	U	U	
REG	Benzo(a)pyrene	1070	UG/KG	U	U	
REG	Benzo(b)fluoranthene	1070	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	1070	UG/KG	U	U	
REG	Benzo(k)fluoranthene	1070	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	1070	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	1070	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	1070	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	1070	UG/KG	U	U	
REG	Carbazole	1070	UG/KG	U	U	
REG	Chrysene	1070	UG/KG	U	U	
REG	Di-n-butyl Phthalate	1070	UG/KG	U	U	
REG	Di-n-octyl Phthalate	1070	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	1070	UG/KG	U	U	
REG	Dibenzofuran	1070	UG/KG	U	U	
REG	Diethyl Phthalate	1070	UG/KG	U	U	
REG	Dimethyl Phthalate	1070	UG/KG	U	U	
REG	Fluoranthene	1070	UG/KG	U	U	
REG	Fluorene	1070	UG/KG	U	U	
REG	Hexachlorobenzene	1070	UG/KG	U	U	
REG	Hexachlorobutadiene	1070	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	1070	UG/KG	U	U	
REG	Hexachloroethane	1070	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	1070	UG/KG	U	U	
REG	Isophorone	1070	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	1070	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	1070	UG/KG	U	U	
REG	Naphthalene	1070	UG/KG	U	U	
REG	Nitrobenzene	1070	UG/KG	U	U	
REG	Pentachlorophenol	2670	UG/KG	U	U	
REG	Phenanthrene	1070	UG/KG	U	U	
REG	Phenol	1070	UG/KG	U	U	
REG	Pyrene	1070	UG/KG	U	U	
TIC REG	539.0 OIL AND GREASE	539	UG/KG	J		
TIC REG	472.0 OIL AND GREASE	472	UG/KG	J		
TIC REG	752.0 OIL AND GREASE	752	UG/KG	J		
TIC REG	1790. OIL AND GREASE	1790	UG/KG	NJ		
TIC REG	689.0 OIL AND GREASE	689	UG/KG	J		
TIC REG	2020. OIL AND GREASE	2020	UG/KG	NJ		
TIC REG	596.0 OIL AND GREASE	596	UG/KG	NJ		
TIC REG	2400. OIL AND GREASE	2400	UG/KG	J		
TIC REG	462.0 OIL AND GREASE	462	UG/KG	J		

Location: SWMU-12A
Station : 12A-SWS-4 12A-SWS-4

122412 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	1630	MG/KG		=	
REG	Antimony	.23	MG/KG	U	=	
REG	Arsenic	0.38	MG/KG	U	U	
REG	Barium	6.4	MG/KG	B	J	
REG	Beryllium	.01	MG/KG	U	U	F12
REG	Cadmium	0.11	MG/KG	U	U	
REG	Calcium	33.5	MG/KG		=	
REG	Chromium	1.4	MG/KG	B	J	
REG	Cobalt	.08	MG/KG	U	U	F01
REG	Copper	1.3	MG/KG		J	F12,P01
REG	Iron	423	MG/KG		J	P01
REG	Lead	3.1	MG/KG		=	
REG	Magnesium	37.8	MG/KG		=	
REG	Manganese	14.2	MG/KG		=	
REG	Mercury	0.02	MG/KG	UN	U	I01

Location: SWMU-12A
Station: 12A-SWS-4

122412 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Nickel	.83	MG/KG	B	J	F01,P01
REG	Potassium	21.5	MG/KG		=	
REG	Selenium	0.23	MG/KG	U	U	
REG	Silver	0.19	MG/KG	U	U	
REG	Sodium	2.2	MG/KG	B	=	
REG	Thallium	.38	MG/KG	U	UJ	F01
REG	Vanadium	1.6	MG/KG	B	=	
REG	Zinc	2.9	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	344	UG/KG	U	U	
REG	1,2-Dichlorobenzene	344	UG/KG	U	U	
REG	1,3-Dichlorobenzene	344	UG/KG	U	U	
REG	1,4-Dichlorobenzene	344	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	344	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	859	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	344	UG/KG	U	U	
REG	2,4-Dichlorophenol	344	UG/KG	U	U	
REG	2,4-Dimethylphenol	344	UG/KG	U	U	
REG	2,4-Dinitrophenol	859	UG/KG	U	U	
REG	2,4-Dinitrotoluene	344	UG/KG	U	U	
REG	2,6-Dinitrotoluene	344	UG/KG	U	U	
REG	2-Chloronaphthalene	344	UG/KG	U	U	
REG	2-Chlorophenol	344	UG/KG	U	U	
REG	2-Methylnaphthalene	344	UG/KG	U	U	
REG	2-Methylphenol	344	UG/KG	U	U	
REG	2-Nitroaniline	859	UG/KG	U	U	
REG	2-Nitrophenol	344	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	344	UG/KG	U	U	
REG	3-Nitroaniline	859	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	859	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	344	UG/KG	U	U	
REG	4-Chloroaniline	344	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	344	UG/KG	U	U	
REG	4-Methylphenol	344	UG/KG	U	U	
REG	4-Nitroaniline	859	UG/KG	U	U	
REG	4-Nitrophenol	859	UG/KG	U	U	
REG	4-chloro-3-methylphenol	344	UG/KG	U	U	
REG	Acenaphthene	344	UG/KG	U	U	
REG	Acenaphthylene	344	UG/KG	U	U	
REG	Anthracene	344	UG/KG	U	U	
REG	Benzo(a)anthracene	344	UG/KG	U	U	
REG	Benzo(a)pyrene	344	UG/KG	U	U	
REG	Benzo(b)fluoranthene	344	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	344	UG/KG	U	U	
REG	Benzo(k)fluoranthene	344	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	344	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	344	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	344	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	344	UG/KG	U	U	
REG	Carbazole	344	UG/KG	U	U	
REG	Chrysene	344	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SWS-4 12A-SWS-4

122412 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Di-n-butyl Phthalate	344	UG/KG	U	U	
REG	Di-n-octyl Phthalate	344	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	344	UG/KG	U	U	
REG	Dibenzofuran	344	UG/KG	U	U	
REG	Diethyl Phthalate	344	UG/KG	U	U	
REG	Dimethyl Phthalate	344	UG/KG	U	U	
REG	Fluoranthene	344	UG/KG	U	U	
REG	Fluorene	344	UG/KG	U	U	
REG	Hexachlorobenzene	344	UG/KG	U	U	
REG	Hexachlorobutadiene	344	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	344	UG/KG	U	U	
REG	Hexachloroethane	344	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	344	UG/KG	U	U	
REG	Isophorone	344	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	344	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	344	UG/KG	U	U	
REG	Naphthalene	344	UG/KG	U	U	
REG	Nitrobenzene	344	UG/KG	U	U	
REG	Pentachlorophenol	859	UG/KG	U	U	
REG	Phenanthrene	344	UG/KG	U	U	
REG	Phenol	344	UG/KG	U	U	
REG	Pyrene	344	UG/KG	U	U	
TIC REG	641.0 OIL AND GREASE	641	UG/KG	J		
TIC REG	173.0 OIL AND GREASE	173	UG/KG	J		

Location: SWMU-12A
Station : 12A-SWS-5 12A-SWS-5

122512 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 08/31/98

Sample Type	Metals	Result	Units	Qualifiers Lab	Data	Validation Code
REG	Aluminum	3010	MG/KG		=	
REG	Antimony	.40	MG/KG	U	=	
REG	Arsenic	0.85	MG/KG	B	J	
REG	Barium	41.3	MG/KG	B	J	
REG	Beryllium	.05	MG/KG	B	U	F12
REG	Cadmium	0.19	MG/KG	U	U	
REG	Calcium	1540	MG/KG		=	
REG	Chromium	2.1	MG/KG	B	J	
REG	Cobalt	.89	MG/KG	B	=	
REG	Copper	17.4	MG/KG	J		P01
REG	Iron	991	MG/KG	J		P01
REG	Lead	13.9	MG/KG		=	
REG	Magnesium	234	MG/KG		=	
REG	Manganese	101	MG/KG		=	
REG	Mercury	0.03	MG/KG	UN	U	I01
REG	Nickel	1.8	MG/KG	J		F01,P01
REG	Potassium	99.7	MG/KG		=	
REG	Selenium	0.39	MG/KG	U	U	
REG	Silver	0.45	MG/KG	B	J	
REG	Sodium	13.7	MG/KG	B	=	
REG	Thallium	.65	MG/KG	U	UJ	F01
REG	Vanadium	2.9	MG/KG	B	=	
REG	Zinc	17.4	MG/KG		=	

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,3,5-Trinitrobenzene	1000	UG/KG	U	U	
REG	1,3-Dinitrobenzene	1000	UG/KG	U	U	
REG	2,4,6-Trinitrotoluene	1000	UG/KG	U	U	
REG	2,4-Dinitrotoluene	1000	UG/KG	U	U	
REG	2,6-Dinitrotoluene	1000	UG/KG	U	U	
REG	2-Nitrotoluene	1000	UG/KG	U	U	
REG	3-Nitrotoluene	1000	UG/KG	U	U	
REG	4-Nitrotoluene	1000	UG/KG	U	U	
REG	HMX	2000	UG/KG	U	U	
REG	Nitrobenzene	1000	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SWS-5 12A-SWS-5

122512 0.0 - 0.0 FT Field Sample Type: Grab Matrix: Sediment Collected: 08/31/98

Sample Type	Explosives	Result	Units	Qualifiers Lab	Data	Validation Code
REG	RDX	2000	UG/KG	U	U	
REG	Tetryl	5000	UG/KG	U	U	
Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers Lab	Data	Validation Code
REG	1,2,4-Trichlorobenzene	595	UG/KG	U	U	
REG	1,2-Dichlorobenzene	595	UG/KG	U	U	
REG	1,3-Dichlorobenzene	595	UG/KG	U	U	
REG	1,4-Dichlorobenzene	595	UG/KG	U	U	
REG	2,2'-oxybis (1-chloropropane)	595	UG/KG	U	U	
REG	2,4,5-Trichlorophenol	1490	UG/KG	U	U	
REG	2,4,6-Trichlorophenol	595	UG/KG	U	U	
REG	2,4-Dichlorophenol	595	UG/KG	U	U	
REG	2,4-Dimethylphenol	595	UG/KG	U	U	
REG	2,4-Dinitrophenol	1490	UG/KG	U	U	
REG	2,4-Dinitrotoluene	595	UG/KG	U	U	
REG	2,6-Dinitrotoluene	595	UG/KG	U	U	
REG	2-Chloronaphthalene	595	UG/KG	U	U	
REG	2-Chlorophenol	595	UG/KG	U	U	
REG	2-Methylnaphthalene	595	UG/KG	U	U	
REG	2-Methylphenol	595	UG/KG	U	U	
REG	2-Nitroaniline	1490	UG/KG	U	U	
REG	2-Nitrophenol	595	UG/KG	U	U	
REG	3,3'-Dichlorobenzidine	595	UG/KG	U	U	
REG	3-Nitroaniline	1490	UG/KG	U	U	
REG	4,6-Dinitro-o-Cresol	1490	UG/KG	U	U	
REG	4-Bromophenyl-phenyl Ether	595	UG/KG	U	U	
REG	4-Chloroaniline	595	UG/KG	U	U	
REG	4-Chlorophenyl-phenylether	595	UG/KG	U	U	
REG	4-Methylphenol	595	UG/KG	U	U	
REG	4-Nitroaniline	1490	UG/KG	U	U	
REG	4-Nitrophenol	1490	UG/KG	U	U	
REG	4-chloro-3-methylphenol	595	UG/KG	U	U	
REG	Acenaphthene	595	UG/KG	U	U	
REG	Acenaphthylene	595	UG/KG	U	U	
REG	Anthracene	595	UG/KG	U	U	
REG	Benzo(a)anthracene	595	UG/KG	U	U	
REG	Benzo(a)pyrene	595	UG/KG	U	U	
REG	Benzo(b)fluoranthene	595	UG/KG	U	U	
REG	Benzo(g,h,i)perylene	595	UG/KG	U	U	
REG	Benzo(k)fluoranthene	595	UG/KG	U	U	
REG	Bis(2-chloroethoxy)methane	595	UG/KG	U	U	
REG	Bis(2-chloroethyl)ether	595	UG/KG	U	U	
REG	Bis(2-ethylhexyl)phthalate	595	UG/KG	U	U	
REG	Butyl Benzyl Phthalate	595	UG/KG	U	U	
REG	Carbazole	595	UG/KG	U	U	
REG	Chrysene	595	UG/KG	U	U	
REG	Di-n-butyl Phthalate	595	UG/KG	U	U	
REG	Di-n-octyl Phthalate	595	UG/KG	U	U	
REG	Dibenzo(a,h)anthracene	595	UG/KG	U	U	
REG	Dibenzofuran	595	UG/KG	U	U	
REG	Diethyl Phthalate	595	UG/KG	U	U	
REG	Dimethyl Phthalate	595	UG/KG	U	U	
REG	Fluoranthene	595	UG/KG	U	U	
REG	Fluorene	595	UG/KG	U	U	
REG	Hexachlorobenzene	595	UG/KG	U	U	
REG	Hexachlorobutadiene	595	UG/KG	U	U	
REG	Hexachlorocyclopentadiene	595	UG/KG	U	U	
REG	Hexachloroethane	595	UG/KG	U	U	
REG	Indeno(1,2,3-cd)pyrene	595	UG/KG	U	U	
REG	Isophorone	595	UG/KG	U	U	
REG	N-Nitroso-di-n-propylamine	595	UG/KG	U	U	
REG	N-Nitrosodiphenylamine	595	UG/KG	U	U	
REG	Naphthalene	595	UG/KG	U	U	
REG	Nitrobenzene	595	UG/KG	U	U	
REG	Pentachlorophenol	1490	UG/KG	U	U	
REG	Phenanthrene	595	UG/KG	U	U	
REG	Phenol	595	UG/KG	U	U	
REG	Pyrene	595	UG/KG	U	U	

Location: SWMU-12A
Station : 12A-SWS-5 12A-SWS-5

122512

0.0 - 0.0 FT

Field Sample Type: Grab

Matrix: Sediment

Collected: 08/31/98

Sample Type	Semi-Volatile Organics	Result	Units	Qualifiers		Validation Code
				Lab	Data	
TIC REG	279.0 OIL AND GREASE	279	UG/KG	NJ		
TIC REG	862.0 OIL AND GREASE	862	UG/KG	NJ		
TIC REG	261.0 OIL AND GREASE	261	UG/KG	J		
TIC REG	1420. OIL AND GREASE	1420	UG/KG	J		
TIC REG	279.0 OIL AND GREASE	279	UG/KG	J		
TIC REG	423.0 OIL AND GREASE	423	UG/KG	J		
TIC REG	920.0 OIL AND GREASE	920	UG/KG	J		
TIC REG	336.0 OIL AND GREASE	336	UG/KG	J		
TIC REG	994.0 OIL AND GREASE	994	UG/KG	NJ		

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DATA VALIDATION REASON CODES

Organic, Inorganic, and Radiological Analytical Data

Holding Times

- A01 Extraction holding times were exceeded.
- A02 Extraction holding times were grossly exceeded.
- A03 Analysis holding times were exceeded.
- A04 Analysis holding times were grossly exceeded.
- A05 Samples were not preserved properly.
- A06 Professional judgement was used to qualify the data.

GC/MS Tuning

- B01 Mass calibration was in error, even after applying expanded criteria.
- B02 Mass calibration was not performed every 12 hours.
- B03 Mass calibration did not meet ion abundance criteria.
- B04 Professional judgement was used to qualify the data.

Initial/Continuing Calibration - Organics

- C01 Initial calibration RRF was < 0.05 .
- C02 Initial calibration RSD was $> 30\%$.
- C03 Initial calibration sequence was not followed as required.
- C04 Continuing calibration RRF was < 0.05 .
- C05 Continuing calibration %D was $> 25\%$.
- C06 Continuing calibration was not performed at the required frequency.
- C07 Resolution criteria were not met.
- C08 RPD criteria were not met.
- C09 RSD criteria were not met.
- C10 Retention time of compounds was outside windows.
- C11 Compounds were not adequately resolved.
- C12 Breakdown of endrin or DDT was $> 20\%$.
- C13 Combined breakdown of endrin/DDT was $> 30\%$.
- C14 Professional judgement was used to qualify the data.

Initial/Continuing Calibration - Inorganics

- D01 ICV or CCV were not performed for every analyte.
- D02 ICV recovery was above the upper control limit.
- D03 ICV recovery was below the lower control limit.
- D04 CCV recovery was above the upper control limit.
- D05 CCV recovery was below the lower control limit.
- D06 Standard curve was not established with the minimum number of standards.
- D07 Instrument was not calibrated daily or each time the instrument was set up.
- D08 Correlation coefficient was <0.995 .
- D09 Mid range cyanide standard was not distilled.
- D10 Professional judgement was used to qualify the data.

ICP and Furnace Requirements

- E01 Interference check sample recovery was outside the control limit.
- E02 Duplicate injections were outside the control limit.
- E03 Post digestion spike recovery was outside the control limit.
- E04 MSA was required but not performed.
- E05 MSA correlation coefficient was <0.995 .
- E06 MSA spikes were not at the correct concentration.
- E07 Serial dilution criteria were not met.
- E08 Professional judgement was used to qualify the data.

Blanks

- F01 Sample data were qualified as a result of the method blank.
- F02 Sample data were qualified as a result of the field blank.
- F03 Sample data were qualified as a result of the equipment rinsate.
- F04 Sample data were qualified as a result of the trip blank.
- F05 Gross contamination exists.
- F06 Concentration of the contaminant was detected at a level below the CRQL.
- F07 Concentration of the contaminant was detected at a level less than the action limit, but greater than the CRQL.
- F08 Concentration of the contaminant was detected at a level that exceeds the action level.
- F09 No laboratory blanks were analyzed.
- F10 Blank had a negative value $>2 \times$'s the IDL.
- F11 Blanks were not analyzed at required frequency.
- F12 Professional judgement was used to qualify the data.

Surrogate/Radiological Chemical Recovery

- G01 Surrogate/radiological chemical recovery was above the upper control limit.
- G02 Surrogate/radiological chemical recovery was below the lower control limit.
- G03 Surrogate recovery was $< 10\%$.
- G04 Surrogate recovery was zero.
- G05 Surrogate/radiological chemical recovery data was not present.
- G06 Professional judgement was used to qualify the data.
- G07 Radiological chemical recovery was $< 20\%$.
- G08 Radiological chemical recovery was $> 150\%$.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

- H01 MS/MSD recovery was above the upper control limit.
- H02 MS/MSD recovery was below the lower control limit.
- H03 MS/MSD recovery was $< 10\%$.
- H04 MS/MSD pairs exceed the RPD limit.
- H05 No action was taken on MS/MSD results.
- H06 Professional judgement was used to qualify the data.
- H07 Radiological MS/MSD recovery was $< 20\%$.
- H08 Radiological MS/MSD recovery was $> 160\%$.
- H09 Radiological MS/MSD samples were not analyzed at the required frequency.

Matrix Spike

- I01 MS recovery was above the upper control limit.
- I02 MS recovery was below the lower control limit.
- I03 MS recovery was $< 30\%$.
- I04 No action was taken on MS data.
- I05 Professional judgement was used to qualify the data.

Laboratory Duplicate

- J01 Duplicate RPD/radiological duplicate error ratio (DER) was outside the control limit.
- J02 Duplicate sample results were $> 5 \times$ the CRDL.
- J03 Duplicate sample results were $< 5 \times$ the CRDL.
- J04 Professional judgement was used to qualify the data.
- J05 Duplicate was not analyzed at the required frequency.

Internal Area Summary

- K01 Area counts were outside the control limits.
- K02 Extremely low area counts or performance was exhibited by a major drop off.
- K03 IS retention time varied by more than 30 seconds.
- K04 Professional judgement was used to qualify the data.

Pesticide Cleanup Checks

- L01 10% recovery was obtained during either check.
- L02 Recoveries during either check were > 120%.
- L03 GPC Cleanup recoveries were outside the control limits.
- L04 Florisil cartridge cleanup recoveries were outside the control limits.
- L05 Professional judgement was used to qualify the data.

Target Compound Identification

- M01 Incorrect identifications were made.
- M02 Qualitative criteria were not met.
- M03 Cross contamination occurred.
- M04 Confirmatory analysis was not performed.
- M05 No results were provided.
- M06 Analysis occurred outside 12 hr GC/MS window.
- M07 Professional judgement was used to qualify the data.
- M08 The %D between the two pesticide/PCB column checks was > 25%.

Compound Quantitation and Reported CROLs

- N01 Quantitation limits were affected by large off-scale peaks.
- N02 MDLs reported by the laboratory exceeded corresponding CROLs.
- N03 Professional judgement used to qualify the data.

Tentatively Identified Compounds (TICs)

- O01 Compound was suspected laboratory contaminant and was not detected in the blank.
- O02 TIC result was not above 10× the level found in the blank.
- O03 Professional judgement was used to qualify analytical data.

Laboratory Control Samples (LCSs)

- P01 LCS recovery was above upper control limit.
- P02 LCS recovery was below lower control limit.
- P03 LCS recovery was $< 50\%$.
- P04 No action was taken on the LCS data.
- P05 LCS was not analyzed at required frequency.
- P06 Radiological LCS recovery was $< 50\%$ for aqueous samples; $< 40\%$ for solid samples.
- P07 Radiological LCS recovery was $> 150\%$ for aqueous samples; $> 160\%$ for solid samples.
- P08 Professional judgement was used to qualify the data.

Field Duplicate

- Q01 Field duplicate RPDs were $> 30\%$ for waters and/or $> 50\%$ for soils.
- Q02 Radiological field duplicate error ratio (DER) was outside the control limit.
- Q03 Duplicate sample results were $> 5 \times$ the CRDL.
- Q04 Duplicate sample results were $< 5 \times$ the CRDL.

Radiological Calibration

- R01 Efficiency calibration criteria were not met.
- R02 Energy calibration criteria were not met.
- R03 Resolution calibration criteria were not met.
- R04 Background determination criteria were not met.
- R05 Quench curve criteria were not met.
- R06 Absorption curve criteria were not met.
- R07 Plateau curve criteria were not met.
- R08 Professional judgement was used to qualify the data.

Radiological Calibration Verification

- S01 Efficiency verification criteria were not met.
- S02 Energy verification criteria were not met.
- S03 Resolution verification criteria were not met.
- S04 Background verification criteria were not met.
- S05 Cross-talk verification criteria were not met.
- S06 Professional judgement was used to qualify the data.

Radionuclide Quantitation

- T01 Detection limits were not met.
- T02 Analytical uncertainties were not met and/or not reported.
- T03 Inappropriate aliquot sizes were used.
- T04 Professional judgement was used to qualify the data.

System Performance

- V01 High background levels or a shift in the energy calibration were observed.
- V02 Extraneous peaks were observed.
- V03 Loss of resolution was observed.
- V04 Peak-tailing or peak splitting that may result in inaccurate quantitation were observed.
- V05 Professional judgement was used to qualify the data.

Data Qualifiers for Organic Analytical Data

Laboratory Qualifiers

- U — Indicates that the compound was analyzed for but not detected. The sample quantitation limit (SQL) must be corrected for dilution. For a soil/sediment sample, the value must also be corrected for percent moisture.
- J — Indicates an estimated value. This qualifier is used either when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the SQL but greater than zero.
- N — Indicates presumptive evidence of a compound. This qualifier is used only for TICs, where the identification is based on a mass spectral library search.
- P — Used for pesticide/PCB target analytes when there is greater than 25% difference for detected concentrations between the two GC columns.
- C — Applies to pesticide results where the identification has been confirmed by gas chromatography/mass spectrometry (GC/MS). If GC/MS confirmation was attempted but was unsuccessful, this qualifier is not applied; instead a laboratory-defined qualifier is used.
- B — Used when the compound is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and alerts the data user to take appropriate action. This qualifier is used for TICs as well as for positively identified target compounds.
- E — Identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
- D — Identifies all compounds identified in an analysis at a secondary dilution factor. This qualifier alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.
- A — Indicates that a TIC was a suspected aldol-condensation product.
- X — Indicates that other specific qualifiers were required to properly define the results. If used, the qualifier must be fully described and such description must be included in the Sample Data Summary Package and SDG narrative.

Data Qualifiers for Organic Analytical Data (continued)

Validation Qualifiers

- U — Indicates that the compound was analyzed for but was not detected above the reported SQL.
- UJ — Indicates that the compound was not detected above the reported SQL. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the compound in the sample.
- J — Indicates that the compound was positively identified. The associated numerical value is the approximate concentration of the compound in the sample.
- N — The analysis indicates the presence of a compound for which there is presumptive evidence to make a "tentative identification."
- NJ — Indicates that the analysis indicates the presence of a compound that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- R — Indicates that the sample results for the compound are unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the compound cannot be verified.
- = — Indicates that the value has been validated and that the compound has been positively identified and the associated concentration value is accurate.

Data Qualifiers for Inorganic Analytical Data

Laboratory Qualifiers

- B —** Indicates that the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
- U —** Indicates that the analyte was analyzed for but not detected.
- E —** Used when the reported value was estimated because of the presence of interference.
- M —** Indicates that the duplicate injection precision was not met.
- N —** Indicates that the spiked sample recovery was not within control limits.
- S —** Indicates that the reported value was determined by the method of standard additions (MSA).
- W —** Used when the post-digestion spike for furnace atomic absorption analysis was not within control limits (85 - 115%), while sample absorbance was less than 50% of spike absorbance.
- * —** Indicates that the duplicate analysis was not within control limits.
- + —** Indicates that the correlation coefficient for the MSA was less than 0.995.

Validation Qualifiers

- U —** Indicates that the analyte was analyzed for but was not detected above the reported sample quantitation limit.
- UJ —** Indicates that the analyte was not detected above the reported SQL. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- J —** Indicates that the analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
- R —** Indicates that the sample results for the analyte are unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- = —** Indicates that the value has been validated and that the analyte has been positively identified and the associated concentration value is accurate.

Data Qualifiers for Radiochemical Analytical Data

Laboratory Qualifiers

- < — The numerical value reported was less than the MDA.
- N — The sample results were qualified to denote poor spike recovery.
- * — The sample results were qualified to denote poor duplicate results.

Validation Qualifiers

- U — Indicates that the radionuclide was analyzed for but was not detected above the reported sample quantitation limit.
- J — Indicates that the radionuclide was positively identified. The associated numerical value is the approximate concentration of the radionuclide in the sample.
- N — The analysis indicates the presence of a radionuclide for which there was presumptive evidence to make a "tentative identification."
- DL — The detection limit requirements were not met. The data quality objectives may not be met.
- UI — Indicates that there was uncertain identification for gamma spectroscopy. The radionuclide peaks are detected but fail to meet the positive identification criteria.
- R — Indicates that the sample results for the radionuclide are unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the radionuclide cannot be verified.
- = — Indicates that the value has been validated and that the radionuclide has been positively identified and the associated concentration value is accurate.

Data Qualifiers for Wet Chemistry Analytical Data

Laboratory Qualifiers

- U —** Indicates that the analyte was analyzed for but was not detected above the reported sample quantitation limit.
- J —** Indicates that the analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.

Validation Qualifiers

- U —** Indicates that the analyte was analyzed for but was not detected above the reported sample quantitation limit.
- UJ —** Indicates that the analyte was not detected above the reported SQL. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- J —** Indicates that the analyte was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
- R —** Indicates that the sample results for the analyte are unusable due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- = —** Indicates that the value has been validated and that the analyte has been positively identified and the associated concentration value is accurate.

Laboratory Sample Type Abbreviations

REG – Regular analysis with no dilution

TIC REG – Tentatively identified compound in a regular analysis

DIL – Sample analyzed at secondary dilution factor

REA – Reanalysis

APPENDIX C
CALENDAR YEAR 1998 STATISTICAL EVALUATION RESULTS

Student's t-test Method

The student's t-test specified in Appendix D-8 to the Resource Conservation and Recovery Act Subpart X permit compares the mean value of the concentrations of contamination indicator constituents in the designated downgradient wells to their corresponding concentrations in the designated background monitoring well. Because the sample population (n) is less than 30, statistical convention dictates the use of the t-distribution. In routine detection monitoring practice, the t-test is used to compare the mean upgradient concentration of an analyte derived from a minimum of four replicate samples to the corresponding mean (from four replicates) of each constituent in each of the downgradient wells (multiple comparison tests). The t-test is used to test a null hypothesis for significant differences in the upgradient versus downgradient analysis result populations for each constituent (i.e., the two populations are assumed to be equal and any differences in the means can be attributed to chance). A 95 percent confidence interval is also standard convention and is specified by the regulations. The appropriate t-distribution is selected from standard reference tables using the designated confidence limit and degrees of freedom ($n_1 + n_2 - 2$ for the two sample populations). A probability statistic is determined from the standard deviation and variance using conventional formulas; if the probability statistic falls within the acceptance region defined by the t-distribution, then the null hypothesis is assumed to be true (i.e., the analytical populations are the same).

Table C-1. SWMU 12A Event 1 (Phase II RFI - January/February 1998) Groundwater Statistical Comparison to Background

Analyte	Results > Detection Limit	Minimum Detect	Maximum Detect	Average Result	Site Background Criteria	T Statistic	Probability	> Background
<i>Semivolatile Organic Compounds (µg/L)</i>								
Bis(2-ethylhexyl)phthalate	2/9	7.00	49.70	10.43	10.00	0.09	0.4663768	No
<i>Metals (µg/L)</i>								
Aluminum	8/9	199.00	824.00	333.40	1200.00	-11.32	0.0000017	No
Barium	9/9	15.90	48.20	29.63	35.50	-1.20	0.1328806	No
Calcium	9/9	528.00	4720.00	2001.00	1630.00	0.76	0.2336893	No
Chromium	1/9	1.60	1.60	0.47	2.60	-14.21	0.0000003	No
Cobalt	5/9	2.90	15.80	3.98	0.46	2.07	0.0360921	Yes
Copper	3/9	1.20	14.00	2.19	2.00	0.13	0.4507758	No
Iron	7/9	109.00	405.00	191.20	598.00	-9.24	0.0000077	No
Magnesium	9/9	501.00	2360.00	1099.00	814.00	1.38	0.1030949	No
Manganese	9/9	4.40	235.00	58.41	17.30	1.69	0.0651652	No
Nickel	5/9	3.10	18.80	6.00	1.90	1.90	0.0466247	Yes
Potassium	9/9	234.00	1400.00	617.70	643.00	-0.22	0.4152438	No
Sodium	9/9	2050.00	6170.00	3329.00	3520.00	-0.46	0.3296238	No
Vanadium	3/9	0.48	1.10	0.40	2.00	-16.49	0.0000001	No
Zinc	5/9	9.20	30.90	9.39	16.90	-2.38	0.0224044	No
<i>Explosives (µg/L)</i>								
2,6-Dinitrotoluene	1/9	0.84	0.84	0.14	0.10	0.43	0.3391394	No
<i>Other Required Parameters (µg/L)</i>								
Total Organic Carbon	4/9	506.00	1910.00	583.10	3160.00	-13.71	0.0000004	No

Table C-2. SWMU 12A Event 1 (Phase II RFI - January/February 1998) Soil Statistical Comparison to Background

Analyte	Results > Detection Limit	Minimum Detect	Maximum Detect	Average Result	Site Background Criteria	T Statistic	Probability > Background
<i>Semivolatile Organics Compounds (mg/kg)</i>							
Bis(2-ethylhexyl)phthalate	1/8	0.43	0.43	0.42	0.70	-5.20	No
Di-n-butyl Phthalate	6/8	0.65	9.80	2.78	0.70	1.89	No
N-Nitrosodiphenylamine	2/8	0.82	2.30	0.66	0.70	-0.15	No
<i>Metals (mg/kg)</i>							
Aluminum	8/8	1950.00	12000.00	4574.00	3400.00	0.85	No
Antimony	5/8	0.32	6.70	1.25	3.00	-2.21	No
Arsenic	5/8	0.37	1.00	0.48	2.00	-12.99	No
Barium	8/8	12.70	57.40	28.21	20.00	1.38	No
Beryllium	8/8	0.05	0.16	0.08	0.60	-38.44	No
Cadmium	8/8	0.11	2.20	0.64	0.60	0.15	No
Calcium	8/8	55.30	238.00	121.40	200.00	-3.80	No
Chromium	8/8	1.40	7.90	3.95	3.00	1.10	No
Cobalt	8/8	0.22	1.10	0.50	2.00	-12.09	No
Copper	8/8	1.30	50.60	23.84	2.00	3.03	Yes
Iron	8/8	750.00	4030.00	1992.00	1200.00	1.67	No
Lead	8/8	4.90	418.00	84.20	3.80	1.66	No
Magnesium	8/8	48.10	261.00	125.80	200.00	-2.61	No
Manganese	8/8	16.30	63.90	48.63	20.00	4.51	Yes
Mercury	5/8	0.02	0.03	0.02	0.20	-54.99	No
Nickel	8/8	0.68	3.70	2.10	3.00	-2.18	No
Potassium	8/8	34.90	144.00	68.50	200.00	-7.97	No
Selenium	3/8	0.17	0.25	0.13	0.60	-18.73	No
Silver	2/8	0.26	0.61	0.14	2.00	-25.49	No
Vanadium	8/8	1.60	15.10	5.45	4.00	0.74	No
Zinc	8/8	4.10	142.00	37.79	3.00	2.07	Yes
<i>Explosives (mg/kg)</i>							
2,4,6-Trinitrotoluene	3/8	0.19	3.43	0.62	0.25	0.87	No
2,4-Dinitrotoluene	2/8	0.15	1.71	0.26	0.25	0.06	No
HMX	2/8	0.18	0.22	0.08	2.20	-81.82	No
RDX	2/8	0.14	0.20	0.07	1.00	-41.29	No

HMX = Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine.

RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine.

Table C-3. SWMU 12A Event 1 (Phase II RFI - January/February 1998) Surface Water Statistical Comparison to Background

Analyte	Results > Detection Limit	Minimum Detect	Maximum Detect	Average Result	Site Background Criteria	T Statistic	Probability > Background
<i>Metals (µg/L)</i>							
Aluminum	4/4	838.00	1370.00	1009.00	844.00	1.34	0.14
Barium	4/4	14.00	20.30	16.95	13.90	1.84	0.08
Calcium	4/4	2380.00	2640.00	2523.00	2500.00	0.34	0.38
Chromium	4/4	0.81	1.10	0.93	0.70	3.47	0.02
Iron	4/4	705.00	954.00	837.00	832.00	0.10	0.46
Lead	4/4	1.10	3.70	1.88	1.30	0.94	0.21
Magnesium	4/4	742.00	828.00	780.30	749.00	1.64	0.10
Manganese	4/4	25.60	53.00	37.20	25.50	1.75	0.09
Mercury	1/4	0.27	0.27	0.11	0.10	0.09	0.47
Potassium	4/4	449.00	692.00	546.30	458.00	1.55	0.11
Sodium	4/4	2890.00	3200.00	3058.00	3220.00	-2.15	0.06
Vanadium	4/4	2.00	2.50	2.20	2.10	0.93	0.21
Zinc	4/4	8.20	14.50	10.98	8.10	1.76	0.09
<i>Explosives (µg/L)</i>							
RDX	1/4	0.18	0.18	0.09	0.10	-0.58	0.30

RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine.

Table C-4. SWMU 12A Event 1 (Phase II RFI - January/February 1998) Sediment Statistical Comparison to Background

Analyte	Results > Detection Limit	Minimum Detect	Maximum Detect	Average Result	Site Background Criteria	T Statistic	Probability	> Background
<i>Semivolatile Organic Compounds (mg/kg)</i>								
Di-n-butyl phthalate	1/4	0.26	0.26	0.29	1.02	-36.14	0.00	No
<i>Metals (mg/kg)</i>								
Aluminum	4/4	1950.00	5790.00	3645.00	6490.00	-3.36	0.02	No
Antimony	2/4	0.42	0.62	0.35	0.32	0.24	0.41	No
Arsenic	1/4	1.70	1.70	0.63	0.94	-0.86	0.23	No
Barium	4/4	8.50	39.80	20.23	19.10	0.16	0.44	No
Beryllium	4/4	0.05	0.10	0.07	0.13	-5.55	0.01	No
Cadmium	4/4	0.09	0.32	0.17	0.17	0.05	0.48	No
Calcium	4/4	123.00	1620.00	628.00	183.00	1.26	0.15	No
Chromium	4/4	1.80	8.70	4.03	5.30	-0.79	0.24	No
Cobalt	4/4	0.12	0.77	0.33	0.37	-0.28	0.40	No
Copper	4/4	2.10	23.30	12.25	3.60	1.71	0.09	No
Iron	4/4	613.00	8860.00	3214.00	3180.00	0.02	0.49	No
Lead	4/4	4.50	14.10	11.20	10.00	0.53	0.32	No
Magnesium	4/4	58.20	215.00	147.60	173.00	-0.74	0.26	No
Manganese	4/4	6.70	90.00	37.28	8.60	1.58	0.11	No
Mercury	3/4	0.06	0.06	0.05	0.05	-0.20	0.43	No
Nickel	4/4	0.72	1.50	1.08	1.80	-4.46	0.01	No
Potassium	4/4	35.00	127.00	96.50	119.00	-1.07	0.18	No
Selenium	4/4	0.30	0.82	0.53	0.41	0.97	0.20	No
Silver	1/4	0.69	0.69	0.21	0.10	0.68	0.27	No
Vanadium	4/4	2.20	16.40	7.20	10.00	-0.84	0.23	No
Zinc	4/4	4.10	29.80	14.53	5.60	1.49	0.12	No
<i>Explosives (mg/kg)</i>								
RDX	1/4	0.17	0.17	0.07	0.08	-0.23	0.42	No

RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine.

Table C-5. SWMU 12A Event 2 (August/September 1998) Groundwater Statistical Comparison to Background

Analyte	Results > Detection Limit	Minimum Detect	Maximum Detect	Average Result	Site Background Criteria	T Statistic	Probability	> Background
<i>Semivolatile Organic Compounds (µg/L)</i>								
Bis(2-ethylhexyl)phthalate	3/9	6.20	17.70	7.07	10.90	-2.85	0.0107584211	No
<i>Metals (µg/L)</i>								
Aluminum	9/9	17.80	906.00	269.00	27.20	2.15	0.0317594853	Yes
Barium	9/9	12.70	47.50	24.34	22.60	0.46	0.3286172748	No
Calcium	9/9	686.00	3710.00	1584.00	1140.00	1.43	0.0957872715	No
Chromium	3/9	1.10	2.10	0.79	0.70	0.38	0.3578415209	No
Cobalt	4/9	0.95	12.70	2.18	0.82	1.02	0.1691253018	No
Copper	5/9	1.90	10.60	2.77	0.74	1.80	0.0544846448	No
Iron	6/7	56.30	465.00	187.30	47.40	2.20	0.0348475841	Yes
Lead	2/9	2.60	3.20	1.23	1.50	-0.85	0.2098013920	No
Magnesium	9/9	351.00	1850.00	866.10	779.00	0.55	0.2990760926	No
Manganese	9/9	2.90	199.00	36.12	26.40	0.47	0.3259951818	No
Mercury	1/9	0.15	0.15	0.06	0.10	-3.50	0.0040395411	No
Nickel	1/9	12.70	12.70	2.36	3.00	-0.49	0.3194692969	No
Potassium	9/9	281.00	1330.00	534.80	218.00	3.03	0.0081830084	Yes
Sodium	9/9	1720.00	5920.00	2810.00	2680.00	0.30	0.3871476083	No
Vanadium	2/9	1.40	1.60	0.59	0.67	-0.44	0.3349641340	No
Zinc	7/9	3.50	26.80	8.96	12.80	-1.64	0.0697462975	No
<i>Explosives (µg/L)</i>								
2,6-Dinitrotoluene	1/9	3.40	3.40	0.42	0.10	0.87	0.2059386317	No
RDX	1/9	12.30	12.30	10.26	20.00	-38.13	0.0000000001	No

RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine.

Table C-6. SWMU 12A Event 2 (August/September 1998) Soil Statistical Comparison to Background

Analyte	Results > Detection Limit	Minimum Detect	Maximum Detect	Average Result	Site Background Criteria	T Statistic	Probability	> Background
<i>Semivolatile Organic Compounds (mg/kg)</i>								
Di-N-butyl phthalate	3/8	0.19	1.19	0.36	0.70	-2.53	0.0195451237818761	No
<i>Metals (mg/kg)</i>								
Aluminum	8/8	2630.00	8120.00	4090.00	3400.00	1.01	0.1730099138980910	No
Antimony	1/8	1.00	1.00	0.24	3.00	-25.29	0.0000000193185317	No
Arsenic	8/8	0.40	0.84	0.62	2.00	-27.74	0.0000000101578284	No
Barium	8/8	12.70	18.50	14.45	20.00	-7.50	0.0000684712612341	No
Cadmium	1/8	0.15	0.15	0.07	0.60	-44.89	0.000000003553797	No
Calcium	8/8	40.40	596.00	167.60	200.00	-0.50	0.3155261645420250	No
Chromium	8/8	2.00	7.80	3.35	3.00	0.47	0.3265415779360470	No
Cobalt	1/8	0.42	0.42	0.16	2.00	-46.80	0.000000002658122	No
Copper	8/8	0.81	3.80	2.49	2.00	1.11	0.1520317641231050	No
Iron	8/8	878.00	4100.00	1675.00	1200.00	1.13	0.1485917989414950	No
Lead	8/8	2.80	23.80	12.54	3.80	2.61	0.0174556653960211	Yes
Magnesium	8/8	63.10	178.00	105.70	200.00	-7.47	0.0000705159657822	No
Manganese	8/8	9.50	84.80	46.69	20.00	2.24	0.0300411599079355	Yes
Mercury	2/8	0.06	0.07	0.02	0.20	-19.21	0.0000001289609300	No
Nickel	8/8	1.10	2.90	1.73	3.00	-6.14	0.0002361466824504	No
Potassium	8/8	53.30	191.00	93.46	200.00	-6.75	0.0001326250631120	No
Silver	4/8	0.20	0.26	0.16	2.00	-73.43	0.000000000114301	No
Sodium	8/8	3.70	6.80	5.24	200.00	-416.95	0.0000000000000001	No
Vanadium	8/8	2.40	12.70	4.75	4.00	0.57	0.2931421999374880	No
Zinc	8/8	1.90	15.10	6.43	3.00	2.22	0.0309170562443810	Yes

Table C-7. SWMU 12A Event 2 (August/September 1998) Surface Water Statistical Comparison to Background

Analyte	Results > Detection Limit	Minimum Detect	Maximum Detect	Average Result	Site Background Criteria	T Statistic	Probability	> Background
<i>Metals (mg/kg)</i>								
Aluminum	1/1	1640.00	1640.00	1640.00	844.00	NA	NA	NA
Barium	1/1	18.00	18.00	18.00	13.90	NA	NA	NA
Calcium	1/1	969.00	969.00	969.00	2500.00	NA	NA	NA
Chromium	1/1	1.70	1.70	1.70	0.70	NA	NA	NA
Iron	1/1	1040.00	1040.00	1040.00	832.00	NA	NA	NA
Lead	1/1	1.90	1.90	1.90	1.30	NA	NA	NA
Magnesium	1/1	500.00	500.00	500.00	749.00	NA	NA	NA
Manganese	1/1	7.70	7.70	7.70	25.50	NA	NA	NA
Potassium	1/1	707.00	707.00	707.00	458.00	NA	NA	NA
Sodium	1/1	4380.00	4380.00	4380.00	3220.00	NA	NA	NA
Vanadium	1/1	1.90	1.90	1.90	2.10	NA	NA	NA

NA = Not available, background station was dry.

Table C-8. SWMU 12A Event 2 (August/September 1998) Sediment Statistical Comparison to Background

Analyte	Results > Detection Limit	Minimum Detect	Maximum Detect	Average Result	Site Background Criteria	T Statistic	Probability	> Background
<i>Semivolatile Organic Compounds (mg/kg)</i>								
Di-n-butyl phthalate	1/4	0.49	0.49	0.37	0.72	-4.12	0.01	No
<i>Metals (mg/kg)</i>								
Aluminum	4/4	1630.00	5650.00	3898.00	4400.00	-0.53	0.32	No
Arsenic	3/4	0.76	1.30	0.78	0.63	0.64	0.28	No
Barium	4/4	6.40	101.00	45.18	19.00	1.31	0.14	No
Beryllium	1/4	0.53	0.53	0.15	0.15	0.01	0.50	No
Calcium	4/4	33.50	1540.00	838.10	342.00	1.55	0.11	No
Chromium	4/4	1.40	4.60	3.08	3.60	-0.67	0.28	No
Cobalt	2/4	0.79	0.89	0.48	0.21	1.25	0.15	No
Copper	4/4	1.30	79.30	25.85	1.40	1.35	0.14	No
Iron	4/4	423.00	2600.00	1354.00	740.00	1.33	0.14	No
Lead	4/4	3.10	16.70	12.08	5.70	2.09	0.06	No
Magnesium	4/4	37.80	259.00	182.50	136.00	0.93	0.21	No
Manganese	4/4	7.40	101.00	32.85	4.60	1.24	0.15	No
Mercury	2/4	0.13	0.16	0.08	0.10	-0.55	0.31	No
Nickel	4/4	0.83	3.10	1.98	1.40	1.24	0.15	No
Potassium	4/4	21.50	174.00	105.80	54.70	1.60	0.10	No
Selenium	1/4	0.73	0.73	0.30	0.50	-1.40	0.13	No
Silver	1/4	0.45	0.45	0.25	0.45	-2.47	0.05	No
Sodium	4/4	2.20	67.00	27.53	26.50	0.07	0.47	No
Vanadium	4/4	1.60	6.60	4.40	4.10	0.24	0.41	No
Zinc	4/4	2.90	17.80	12.18	3.10	2.59	0.04	Yes