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SITE INVESTIGATION REPORT FOR THE

PURGE FACILITY
AT
HUNTER ARMY AIRFIELD, GEORGIA

Prepared for

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT

Contract No. DACA21-02-D-0004
Delivery Order 0064

February 2007

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Prepared for
U. S. Army Corps of Engineers,
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Prepared by
Science Applications International Corporation
151 Lafayette Drive
Oak Ridge, TN 37830

February 2007

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

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

CERTIFICATION

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

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

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CONTENTS

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FIGURES

TABLES

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ACRONYMS

BGS	below ground surface
COPC	constituent of potential concern
DO	dissolved oxygen
EPA	U. S. Environmental Protection Agency
FSMR	Fort Stewart Military Reservation
FTA	Fire Training Area
GSSL	generic soil screening level
HAAF	Hunter Army Airfield
MCL	maximum contaminant level
NTU	nephelometric turbidity unit
PDO	Old Property Disposal Yard
RBC	risk-based concentration
RCRA	Resource Conservation and Recovery Act
Redox	oxidation-reduction potential
SRC	site-related constituent
SVOC	semivolatile organic compound
USACE	U. S. Army Corps of Engineers
VOC	volatile organic compound
WOE	weight of evidence

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1.0 INTRODUCTION

This site investigation report for the Hunter Army Airfield (HAAF) Purge Facility presents the results of the soil and groundwater sampling conducted in May and July 2006. This report has been prepared by Science Applications International Corporation (SAIC) for the U. S. Army Corps of Engineers (USACE), Savannah District under contract number DACA21-02-D-0004, delivery order number 0064. The soil and groundwater sampling were conducted in accordance with *Addendum #20 to the Work Plan for Preliminary Groundwater and Corrective Action Plan–Part A/Part B Investigations at Former Underground Storage Tank Sites, Hunter Army Airfield and Fort Stewart, Georgia* (SAIC 2006). Addendum #20 supplemented the following work plans: *Work Plan for Preliminary Groundwater and Corrective Action Plan–Part A/Part B Investigations at Former Underground Storage Tank Sites, Fort Stewart, Georgia* (SAIC 1996) and *Sampling and Analysis Plan for Corrective Action Plan–Part A and B Investigations for Former Underground Storage Tanks at Hunter Army Airfield, Georgia* (SAIC 1998). These work plans were developed in accordance with USACE Guidance Engineer Manual (EM) 200-1-3 (USACE 2001).

1.1 SITE BACKGROUND AND OPERATIONAL HISTORY

The HAAF Purge Facility (Figure 1-1) is an active facility that cleans tanker trucks that store and transport petroleum products, mainly JP-8. The facility has not been previously investigated. Investigations are required at the site due to past tank overflows requiring emergency response measures and potential discharges to state water bodies. Soil and groundwater remediation could be required at the HAAF Purge Facility by the Georgia Environmental Protection Department if contamination is discovered that indicates a systematic routine release or previous spill resulting in a risk to human health or the environment.

1.2 REPORT ORGANIZATION

The report organization presented in this section provides an outline of the information presented in this site investigation report. This report is organized as follows:

- Chapter 1: site background and operational history,
- Chapter 2: soil (May 2006) and groundwater sampling (July 2006) field activities,
- Chapter 3: date evaluation,
- Chapter 4: conclusions and recommendations, and
- Chapter 5: references.

Appendix A presents the soil boring logs for the soil sampling and installation of monitoring wells. Appendix B presents the monitoring well construction diagrams. Appendix C contains the complete analytical results for the soil and groundwater sampling and the chain-of-custody forms conducted at the HAAF Purge Facility. Appendix D presents the metals background concentrations for the Old Property Disposal (PDO) Yard and the Fire Training Area (FTA). Appendix E presents the surface and subsurface soil reference background concentrations for the Fort Stewart Military Reservation (FSMR).

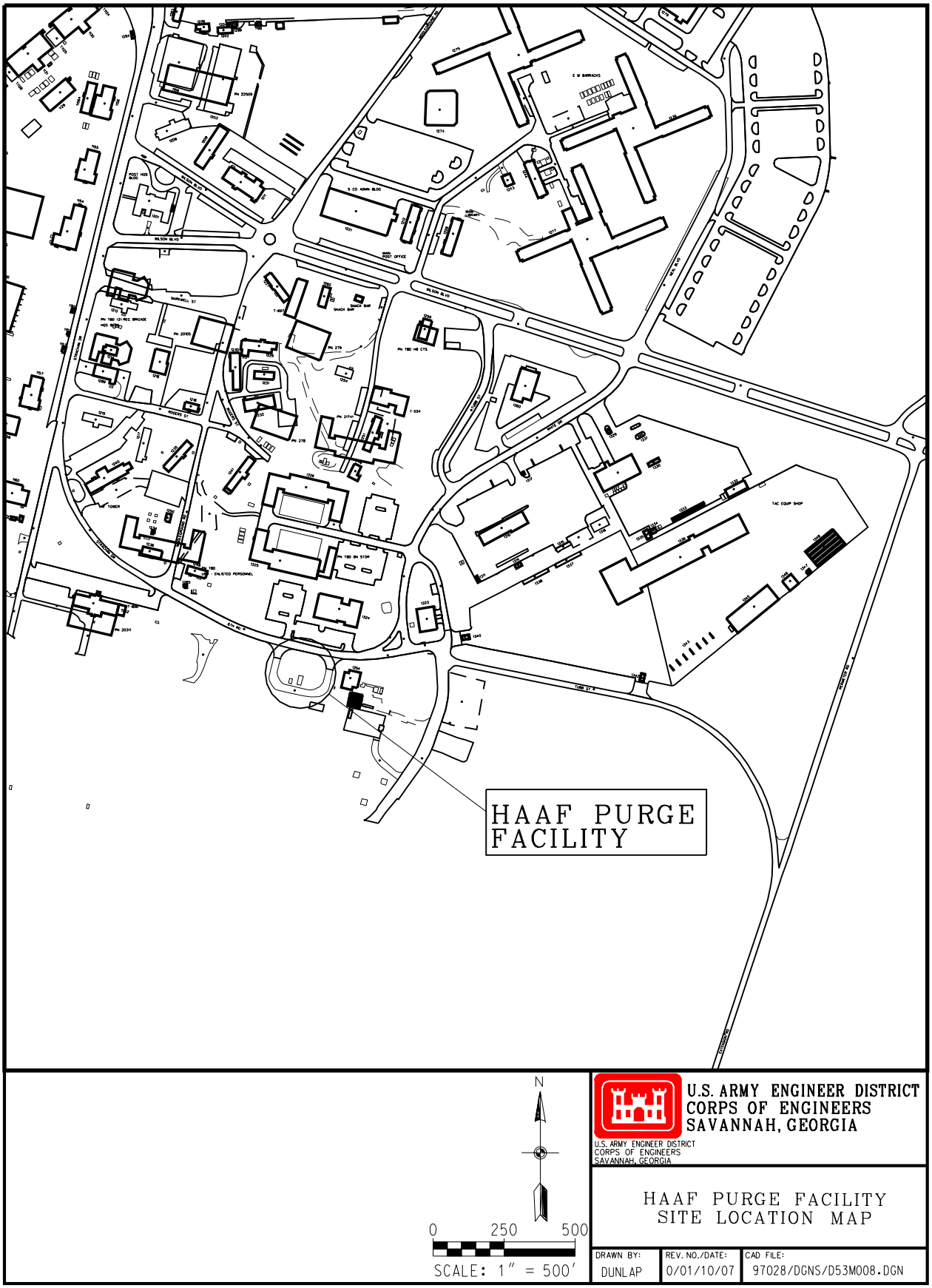

Figure 1-1. Location Map of the Hunter Army Airfield Purge Facility, Georgia

2.0 SOIL AND GROUNDWATER SAMPLING

The following soil and groundwater sampling was performed in May and July 2006 in accordance with Addendum #20 (SAIC 2006).

2.1 SURFACE AND SUBSURFACE SOIL

Six soil samples were collected with a hand auger along the surface drainage pathway feature that crosses the HAAF Purge Facility site (Figure 2-1). Two samples were collected at each of the three locations (SS-01 and SS-03) at the 0.5- to 1.0-ft interval and the 2- to 4 ft-interval. Ten soil samples were collected from new monitoring well borings (MW-1 through MW-5). Two soil samples were collected from each of the five borings. Appendix A presents the soil boring logs for the monitoring wells. One sample was collected from the 0 to 1-ft interval, and the second sample was collected from the interval exhibiting the highest photoionization detector reading. The soil samples were sent to an off-site analytical laboratory (General Engineering Laboratories) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and Resource Conservation and Recovery Act (RCRA) metals analyses.

2.2 GROUNDWATER

Groundwater samples were collected from five new monitoring wells (MW-1 through MW-5) at the HAAF Purge Facility in July 2006. The following sections present a summary of the groundwater sampling activities.

2.2.1 Monitoring Well Installation

Five new monitoring wells (MW-1 through MW-5) were installed on May 10 and 11, 2006, using the hollow-stem auger drilling method in accordance with the work plans (SAIC 1996, SAIC 2006). Figure 2-1 presents the new monitoring well locations. Four shallow monitoring wells were installed to a depth of approximately 12.5 ft below ground surface (BGS). One deep well (MW-1) was installed to a depth of 46.0 ft BGS. The wells were constructed using 2-in. inner diameter polyvinyl chloride wells with 0.010-in. slotted screen size. Shallow wells were completed with a 10-ft screen set across the water table and the deep well was completed with a 5-ft screen set at 45 ft BGS. Appendix B presents the monitoring well construction diagrams. Tables 2-1 and 2-2 summarize the well construction and well development, respectively, for each of the five wells.

2.2.2 Groundwater Sampling

All five groundwater monitoring wells were sampled using low-flow techniques. The five groundwater samples were analyzed for VOCs, SVOCs, and RCRA metals. Field measurements performed during the investigations included pH, specific conductance, temperature, oxidation-reduction potential (Redox), dissolved oxygen (DO), and turbidity (Table 2-3). Procedures and equipment for measurement of pH, specific conductance, temperature, Redox, DO, and turbidity were presented in the work plan (SAIC 1996).

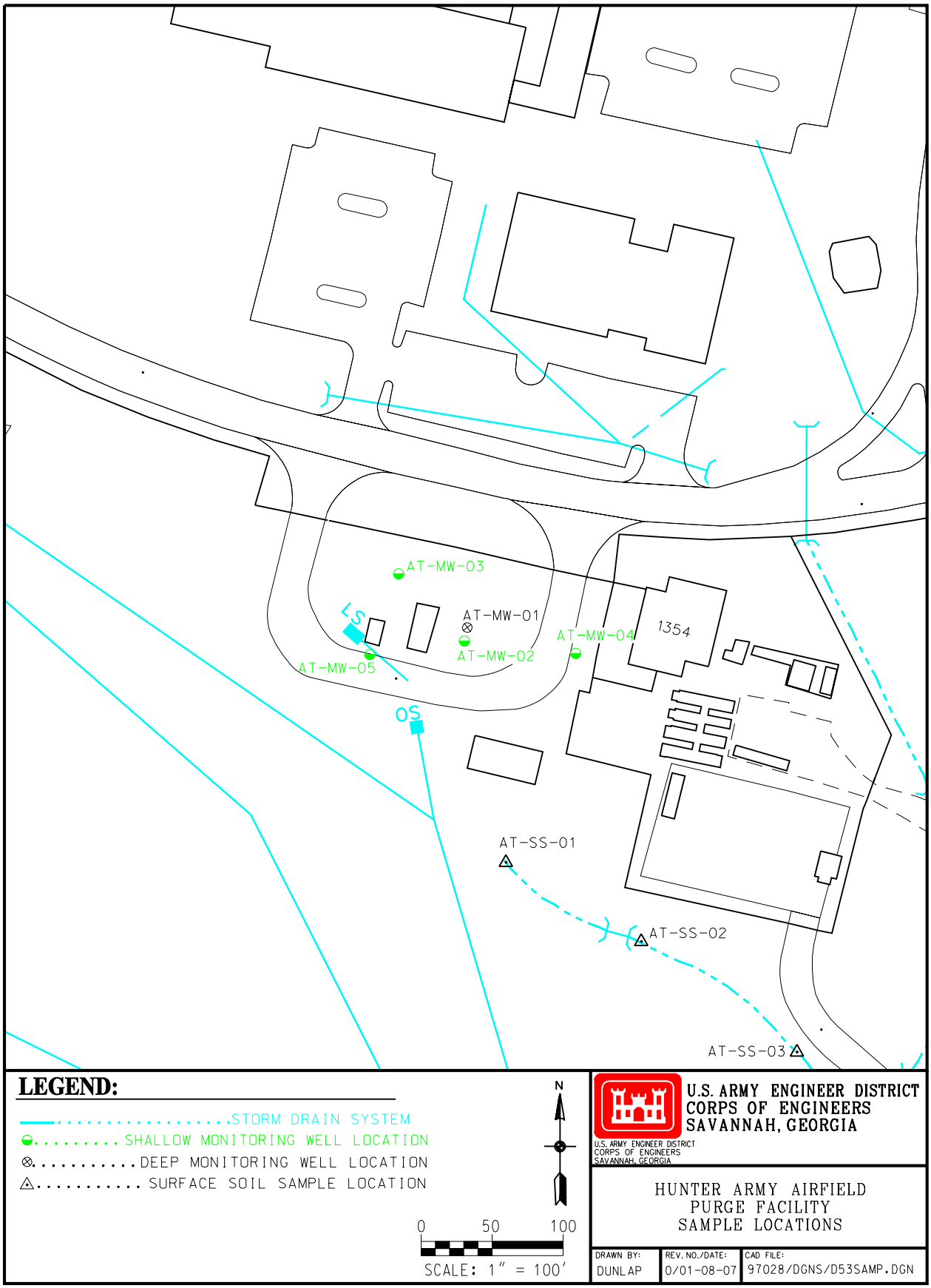

Figure 2-1. Soil and Groundwater Sampling Locations at the Hunter Army Airfield Purge Facility

Table 2-1. Monitoring Well Construction Summary (May 2006), Hunter Army Airfield Purge Facility

Well No.	Date Installed	Size/ Type	Coordinates	Total Depth (ft BGS)	Screened Interval (ft BGS)	Depth to Top of Filter Pack (ft BGS)	Measuring Point Elevation (ft AMSL)
AT-MW-1	05/11/06	2-in. PVC	N 734082.46 E 978196.30	46.0	40.30–45.30	37.0	31.61
AT-MW-2	05/10/06	2-in. PVC	N 734072.89 E 978194.26	12.5	2.30–12.30	2.0	31.86
AT-MW-3	05/10/06	2-in. PVC	N 734120.33 E 978147.94	12.5	2.20–12.20	2.0	32.09
AT-MW-4	05/10/06	2-in. PVC	N 734064.29 E 978272.61	12.5	2.30–12.30	2.0	32.79
AT-MW-5	05/11/06	2-in. PVC	N 734063.42 E 978127.61	12.5	2.30–12.30	2.0	33.03

Note: All elevations based on National Geodetic Vertical Datum (NGVD) 1929.
AMSL = Above mean sea level.
BGS = Below ground surface.
PVC = Polyvinyl chloride.

Table 2-2. Monitoring Well Development Summary (May 2006), Hunter Army Airfield Purge Facility

Well No.	Date	Total Development Time	Total Volume Removed (gal)	Final Turbidity Reading (NTU)
AT-MW-1	05/12/06 – 05/13/06	2 hr 25 min.	220	clear
AT-MW-2	05/12/06 – 05/13/06	8 hr 15 min.	625	clear
AT-MW-3	05/13/06	1 hr	120	clear
AT-MW-4	05/12/06 – 05/13/06	1 hr 25 min.	225	clear
AT-MW-5	05/13/06	3 hr 55 min.	380	clear

NTU = Nephelometric turbidity unit.

Table 2-3. Field Parameter Measurements from Groundwater Sampling (July 2006), Hunter Army Airfield Purge Facility

Location	Date	pH (s.u.)	Conductivity (mS/cm)	Temperature (°C)	Turbidity (NTUs)	DO (mg/L)	Redox (mV)
AT-MW-1	07/23/06	5.25	0.041	24.73	80.2	0.22	31
AT-MW-2	07/23/06	5.51	0.085	27.30	9.8	0.40	-23
AT-MW-3	07/24/06	4.56	0.056	27.30	10	0.60	87
AT-MW-4	07/24/06	5.86	0.290	27.60	41	0.42	-66
AT-MW-5	07/24/06	4.91	0.056	24.48	9.8	0.72	-41

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

2.2.3 Groundwater Flow and Direction

Water level measurements were collected at all five wells to develop a potentiometric map of the site (Table 2-4). Figure 2-2 presents the groundwater elevations and the shallow groundwater potentiometric map for the HAAF Purge Facility. The shallow surficial groundwater flow direction across the site is generally to the east with an average hydraulic gradient of 0.0034 ft/ft. MW-3 represents an upgradient location at the site. MW-1, MW-2, and MW-4 are downgradient locations. MW-5 is located side-gradient to the groundwater direction. The shallow/deep monitoring well pair MW-2/MW-1 indicates a downward vertical gradient of 0.028 ft/ft.

Table 2-4. Water Level Data for Monitoring Wells (May 2006), Hunter Army Airfield Purge Facility

Well No.	Date	Screened Interval (ft BGS)	Depth to Water (ft below MP)	Measuring Point Elevation (ft AMSL)	Potentiometric Surface Elevation (ft AMSL)
AT-MW-1	05/12/06	40.3 – 45.3	4.45	31.61	27.16
AT-MW-2	05/12/06	2.3 – 12.3	3.69	31.86	28.17
AT-MW-3	05/12/06	2.2 – 12.2	3.54	32.09	28.55
AT-MW-4	05/12/06	2.3 – 12.3	4.79	32.79	28.00
AT-MW-5	05/12/06	2.3 – 12.3	4.62	33.03	28.41

AMSL = Above mean sea level.
BGS = Below ground surface.
MP = Measuring point.

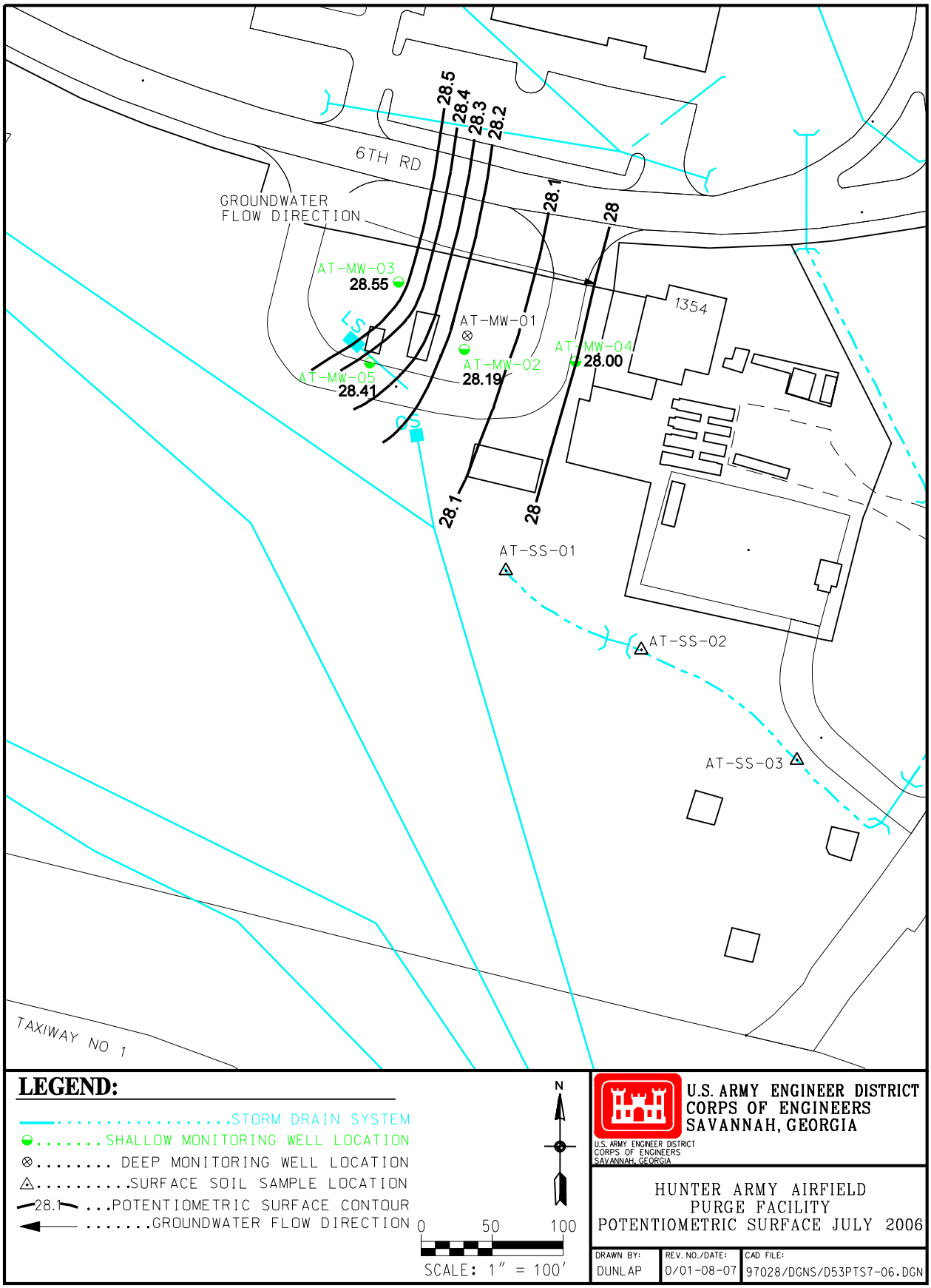

Figure 2-2. Shallow Groundwater Potentiometric Surface Map (July 2006) at the Hunter Army Airfield Purge Facility

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3.0 ANALYTICAL RESULTS AND EVALUATION

The following sections discuss the analytes detected in each media. Organic and inorganic site-related constituents (SRCs) were determined in surface soil, subsurface soil, and groundwater if the constituent was detected above its detection level. There were no site inorganic reference background concentrations available for HAAF; therefore, inorganic SRCs were not compared or eliminated based on background concentrations. SRCs in surface soil were screened against U. S. Environmental Protection Agency (EPA) Region 3 residential risk-based concentrations (RBCs) to determine if the constituent was a constituent of potential concern (COPC). SRCs in subsurface soil were screened against EPA Region 3 residential RBCs and generic soil screening levels (GSSLs) to determine if the constituents were COPCs. GSSLs evaluate the potential for a contaminant to migrate to groundwater at concentrations that may pose a risk to human health. SRCs in groundwater were compared to EPA Region 3 tap water RBCs to determine if the constituent was a COPC.

COPCs identified in surface soil, subsurface soil, and groundwater were further evaluated using a weight of evidence (WOE) approach to determine if the constituent was a COPC requiring further investigation at the HAAF Purge Facility. Factors considered under the WOE approach included, but were not limited to, frequency of detection, frequency of detection above RBCs, comparison to EPA Region 3 industrial soil RBCs, comparison to surface and subsurface soil background concentrations in the area, quality of the sample, comparison to maximum contaminant levels (MCLs), etc. The following sections present analytical results and evaluation by media.

3.1 SURFACE SOIL

3.1.1 Analytical Results

The surface soil dataset included soil samples collected from 0 to 1.0 ft BGS. Table 3-1 summarizes the analytical results for the eight surface soil samples. Appendix C presents the complete analytical results and chain-of-custody forms.

VOCs. Seven VOCs were estimated or detected in surface soil including 2-butanone, acetone, carbon disulfide, chloroform, styrene, toluene, and total xylenes (Figure 3-1). Analytes estimated at only one location included 2-butanone (4.24J µg/kg, SS-01), chloroform (0.44J µg/kg, MW-2), and total xylenes (0.25J µg/kg, SS-02). Styrene was estimated at six surface soil sample locations at concentrations ranging from 0.262J to 0.639J µg/kg. Acetone was estimated or detected at six sample locations at concentrations ranging from 5.74J to 98.8J µg/kg. Carbon disulfide was estimated or detected at five sample locations at concentrations ranging from 1.91J to 21.1J µg/kg. Toluene was estimated or detected at three sample locations at concentrations ranging from 0.728J to 93.5 µg/kg.

SVOCs. Seven SVOCs were estimated or detected at four of the eight surface soil sample locations and included benzo(*b*)fluoranthene, benzo(*k*)fluoranthene, chrysene, di-n-butyl phthalate, fluoranthene, phenanthrene, and pyrene (Figure 3-1). Di-n-butyl phthalate was only estimated at one location (43.2J µg/kg, MW-2). Benzo(*k*)fluoranthene, chrysene, and phenanthrene were estimated at two sample locations with maximum concentrations of 15.3J, 22.6J, and 26.5J µg/kg, respectively. Benzo(*b*)fluoranthene, fluoranthene, and pyrene were estimated or detected at four sample locations with maximum concentrations of 47.4, 50.4, and 35.7 µg/kg, respectively.

Table 3-1. Summary of Analytical Results for Surface Soil, Hunter Army Airfield Purge Facility

Station	EPA Region 3 Res. Soil RBC[a]	EPA Region 3 Ind. Soil RBC[a]	AT-MW-1	AT-MW-2	AT-MW-3	AT-MW-3	AT-MW-4	AT-MW-5	AT-SS-1	AT-SS-2	AT-SS-3
Sample ID			**AT0111**	**AT0211**	**AT0311**	**AT0313**	**AT0411**	**AT0511**	**AT0110**	**AT0210**	**AT0310**
Date			**05/11/06**	**05/10/06**	**05/10/06**	**05/10/06**	**05/10/06**	**05/11/06**	**05/12/06**	**05/12/06**	**05/12/06**
Depth (ft)			**0.0–1.0**	**0.0–1.0**	**0.0–1.0**	**0.0–1.0**	**0.0–1.0**	**0.0–1.0**	**0.5–1.0**	**0.5–1.0**	**0.5–1.0**
Volatile Organic Compounds (mg/kg)											
2-Butanone	4,693	61,320	<0.00604 U	<0.00802 U	<0.00575 U	<0.0067 U	<0.00589 U	<0.00754 U	0.00424 J	<0.00612 U	<0.00595 U
Acetone	7,039	91,980	0.013 =	0.0202 J	0.00574 J	0.0255 =	0.0117 =	<0.00754 U	0.0988 J	0.00759 J	<0.00595 U
Carbon Disulfide	782.1	10,220	0.0071 =	0.0211 J	0.00191 J	<0.0067 U	0.00477 J	0.00475 J	<0.00708 U	<0.00612 U	<0.00595 U
Chloroform	78.21	1,022	<0.00121 U	0.00044 J	<0.00115 U	<0.00134 U	<0.00118 U	<0.00151 U	<0.00142 U	<0.00122 U	<0.00119 U
Styrene	1,564	20,440	0.0003 J	0.00035 J	<0.00115 U	<0.00134 U	<0.00118 U	0.00046 J	0.00059 J	0.00064 J	0.00026 J
Toluene	625.7	8,176	0.00448 =	<0.0016 U	0.0935 =	0.00251 =	<0.00118 U	<0.00151 U	<0.00142 U	0.00073 J	<0.00119 U
Xylenes, Total	1,564	20,440	<0.00121 U	<0.0016 U	<0.00115 U	<0.00134 U	<0.00118 U	<0.00151 U	<0.00142 U	0.00025 J	<0.00119 U
Semivolatile Organic Compounds (mg/kg)											
Benzo(*b*)fluoranthene	0.22	3.92	<0.0402 U	0.0474 =	<0.0384 U	<0.0384 U	0.0275 J	0.018 J	0.0284 J	<0.0416 U	<0.0373 U
Benzo(*k*)fluoranthene	2.2	39.2	<0.0402 U	<0.0364 U	<0.0384 U	<0.0384 U	0.0153 J	0.0114 J	<0.0387 U	<0.0416 U	<0.0373 U
Chrysene	22	392	<0.0402 U	0.0191 J	<0.0384 U	<0.0384 U	0.0226 J	<0.0342 U	<0.0387 U	<0.0416 U	<0.0373 U
Di-n-butyl phthalate	782.1	1,0220	<0.402 U	0.0432 J	<0.384 U	<0.384 U	<0.346 U	<0.342 U	<0.387 U	<0.416 U	<0.373 U
Fluoranthene	312.9	4,088	<0.0402 U	0.0139 J	<0.0384 U	<0.0384 U	0.0504 =	0.0251 J	0.014 J	<0.0416 U	<0.0373 U
Phenanthrene	234.6	3,066	<0.0402 U	<0.0364 U	<0.0384 U	<0.0384 U	0.0265 J	0.012 J	<0.0387 U	<0.0416 U	<0.0373 U
Pyrene	234.6	3,066	<0.0402 U	0.0137 J	<0.0384 U	<0.0384 U	0.0357 =	0.0246 J	0.0218 J	<0.0416 U	<0.0373 U
Metals (mg/kg)											
Arsenic	0.4258	1.908	**1 J**	**1.1 J**	<0.572 U	<0.574 U	**0.85 J**	**0.64 J**	**0.93 J**	**0.82 J**	<0.542 U
Barium	1,564	20,440	6 =	19.7 =	2.9 =	3 =	6.5 =	5.9 =	8.7 =	16 =	6.5 =
Cadmium	7.821	102.2	0.063 J	0.14 J	<0.0343 U	0.043 J	0.075 J	0.13 J	0.092 J	<0.037 U	0.2 J
Chromium	23.46	306.6	3.5 J	1.5 =	3.5 =	3.4 =	3.8 =	2.4 J	3.5 J	2.2 J	2.5 J
Lead	400	800	7.3 =	16.7 =	4 =	4.4 =	17.8 =	17 =	8.7 =	15.4 =	3 =
Mercury	2.346	30.66	0.024 =	0.0219 =	0.027 =	0.043 =	0.0237 =	0.0184 =	0.0271 =	0.0325 =	0.0062 J

[a] EPA Region 3 residential soil RBCs were updated as of December 2006 from the EPA Mid-Atlantic Hazardous Site Cleanup website <http://www.epa.gov/reg3hwmd/risk/index.htm)>.
EPA = U. S. Environmental Protection Agency.
Data Qualifiers: "=" = Detected value.
J = Estimated value.
U = Undetected value.
Ind. = Industrial.
Res. = Residential.
RBC = Risk-based concentration.
Bold indicates concentrations above the EPA Region 3 residential soil RBC, which, therefore, designates the constituent an initial constituent of potential concern.

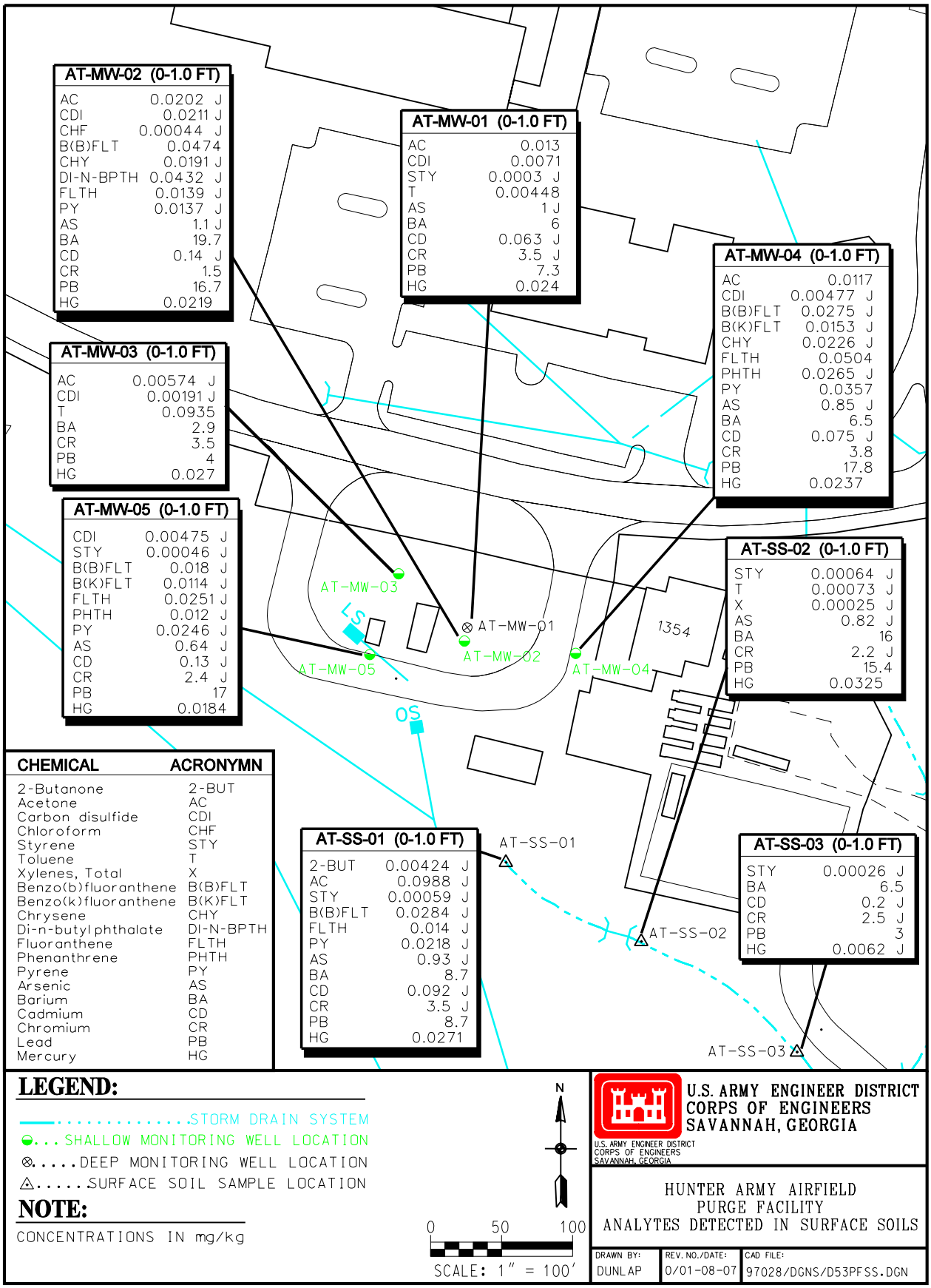

Figure 3-1. Analytes Detected in Surface Soil at the Hunter Army Airfield Purge Facility

RCRA Metals. Six metals were either estimated or detected at all eight surface soil sample locations (Figure 3-1). Arsenic and chromium were reported at six sample locations with maximum concentrations of 1.1J and 3.8 mg/kg, respectively.

3.1.2 Evaluation

The surface soil analytical results were compared to the EPA Region 3 residential and industrial soil RBCs. Table 3-2 provides the summary statistics for analytes detected in surface soil. The screening process identified one metal (arsenic) as a COPC. All other detected analytes were below their residential and industrial RBCs. Arsenic concentrations exceeded the EPA Region 3 residential RBC at six sample locations, but did not exceed the EPA Region 3 industrial RBC. The arsenic concentrations at the site ranged from 0.64J to 1.1J mg/kg indicating a relatively homogeneous level of arsenic concentrations in surface soil. The arsenic surface soil concentrations at the HAAF Purge Facility were compared to background samples collected at the PDO Yard and the FTA at HAAF (Appendix D) and the reference background developed for FSMR, which has similar characteristic soils (SAIC 2000). Appendix D presents the reference background for both the PDO Yard and the FTA at HAAF taken from the revised final *RCRA Facility Investigation Report, Old Property Disposal Yard at HAAF* dated September 1999 (Metcalfe and Eddy 1999) and the revised final *Compliance Status Report for Former Fire Training Area (HIS Site Number 10395) at HAAF* dated May 24, 2002 (Law 2002), respectively. The estimated maximum arsenic concentration (1.1J mg/kg) was slightly above the arsenic background (1 mg/kg) determined for surface soil at the PDO Yard and below the background concentration (2.6 mg/kg) determined for soil (no surface/subsurface soil designation) at the FTA. The maximum concentration of arsenic (1.1J mg/kg) was less than the arsenic reference background concentration (2.1 mg/kg) developed for the FSMR. Appendix E presents the background data summary for surface and subsurface soil that was presented in Appendix F of the revised final *Phase II RCRA Facility Investigation for 16 Solid Waste Management Units at Fort Stewart, Georgia* (SAIC 2000). The concentration of arsenic in surface soil is attributed to the natural occurring levels in native soil.

3.2 SUBSURFACE SOIL

3.2.1 Analytical Results

The subsurface soil dataset included soil samples collected from 2.0 to 6.0 ft BGS. Table 3-3 summarizes the analytical results for the eight subsurface soil samples. Appendix C presents the complete analytical results and chain-of-custody forms.

VOCs. Seven VOCs were estimated or detected in subsurface soil including 1,1,2,2-tetrachloroethane; 2-butanone; acetone; carbon disulfide; styrene; toluene; and total xylenes (Figure 3-2). Analytes detected at only one location included 1,1,2,2-tetrachloroethane (0.667J µg/kg, MW-5) and total xylenes (0.263J µg/kg, MW-1). Acetone, 2-butonone, carbon disulfide, styrene, and toluene were detected at multiple sample locations with maximum concentrations of 38.5J, 4.16J, 4.13J, 0.854J, and 8.22J µg/kg, respectively.

SVOCs. One SVOC [benzo(*a*)pyrene] was detected at one sample location (MW-2) at a concentration of 253 µg/kg (Figure 3-2).

RCRA Metals. Six metals were estimated or detected in subsurface soil including arsenic, barium, chromium, lead, mercury, and selenium (Figure 3-2). Arsenic was estimated at one location (0.85J mg/kg, SS-2) and selenium was reported at three locations with a maximum concentration of 1.9 mg/kg (MW-1).

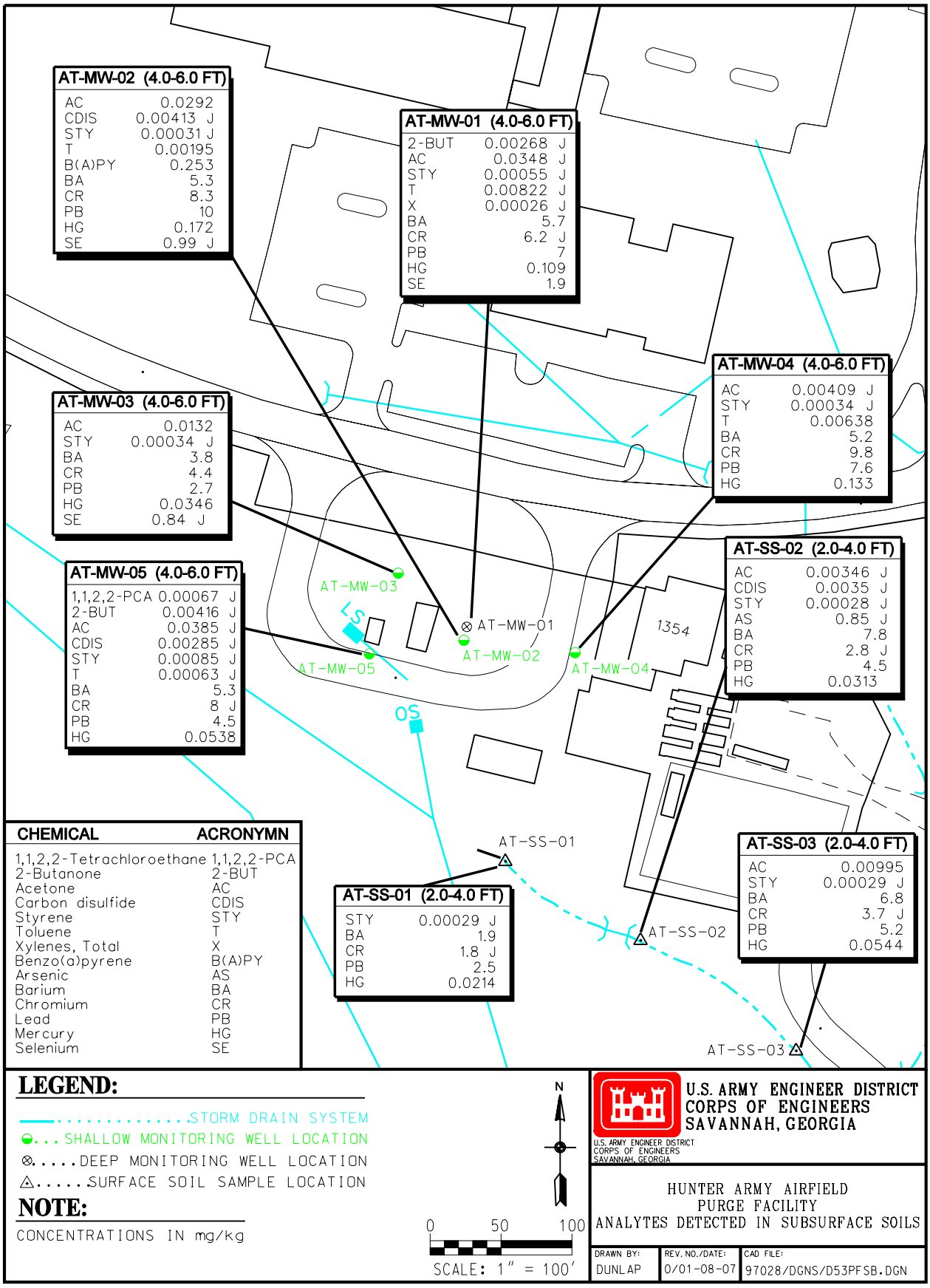

Figure 3-2. Analytes Detected in Subsurface Soil at the Hunter Army Airfield Purge Facility

Table 3-2. Summary Statistics of Analytes Detected in Surface Soil (May 2006), Hunter Army Airfield Purge Facility

Initial COPC Screening Evaluation								Additional Evaluation Criteria			
Analyte	**Results > Detect. Limit**	**Min. Detect.**	**Max. Detect.**	**Max. Detect. Location**	**EPA Region 3 Res. Soil RBC (mg/kg)**	**Max. Detect. > Res. RBC, COPC ?**	**Initial COPC Justification**	**EPA Region 3 Ind. Soil RBC (mg/kg)**	**Max. Detect. >Ind. RBC**	**Area Bkgd. Criteria**	**Max. Detect. > Similar Bkgd.**
Volatile Organic Compounds (mg/kg)											
2-Butanone	1/8	0.0042	0.0042	SS-1	4,693	No	Max. Detect. < Res. RBC	61,320	No	NA	
Acetone	6/8	0.0057	0.0988	SS-1	7,039	No	Max. Detect. < Res. RBC	91,980	No	NA	
Carbon Disulfide	5/8	0.0019	0.0211	MW-2	782.1	No	Max. Detect. < Res. RBC	10,220	No	NA	
Chloroform	1/8	0.0004	0.0004	MW-2	78.21	No	Max. Detect. < Res. RBC	1,022	No	NA	
Styrene	6/8	0.0003	0.0006	SS-2	1,564	No	Max. Detect. < Res. RBC	20,440	No	NA	
Toluene	3/8	0.0007	0.0935	MW-3	625.7	No	Max. Detect. < Res. RBC	8,176	No	NA	
Xylenes, Total	1/8	0.0002	0.0002	SS-2	1,564	No	Max. Detect. < Res. RBC	20,440	No	NA	
Semivolatile Organic Compounds (mg/kg)											
Benzo(*b*)fluoranthene	4/8	0.018	0.0474	MW-2	0.22	No	Max. Detect. < Res. RBC	3.92	No	NA	
Benzo(*k*)fluoranthene	2/8	0.0114	0.0153	MW-4	2.2	No	Max. Detect. < Res. RBC	39.2	No	NA	
Chrysene	2/8	0.0191	0.0226	MW-4	22	No	Max. Detect. < Res. RBC	392	No	NA	
Di-n-butyl phthalate	1/8	0.0432	0.0432	MW-2	782.1	No	Max. Detect. < Res. RBC	10,220	No	NA	
Fluoranthene	4/8	0.0139	0.0504	MW-4	312.9	No	Max. Detect. < Res. RBC	4,088	No	NA	
Phenanthrene	2/8	0.012	0.0265	MW-4	234.6	No	Max. Detect. < Res. RBC	3,066	No	NA	
Pyrene	4/8	0.0137	0.0357	MW-4	234.6	No	Max. Detect. < Res. RBC	3,066	No	NA	
RCRA Metals (mg/kg)											
Arsenic	**6/8**	**0.64**	**1.1**	**MW-2**	**0.4258**	**Yes**	**Max. Detect. >= Res. RBC**	**1.908**	**No**	**1[a] 2.6[b] 2.1[c]**	**No**
Barium	8/8	2.9	19.7	MW-2	1,564	No	Max. Detect. < Res. RBC	20,440	No	NR	
Cadmium	6/8	0.063	0.2	SS-3	7.821	No	Max. Detect. < Res. RBC	102.2	No	NR	
Chromium	8/8	1.5	3.8	MW-4	23.46	No	Max. Detect. < Res. RBC	306.6	No	NR	
Lead	8/8	3	17.8	MW-4	400	No	Max. Detect. < Res. RBC	800	No	NR	
Mercury	8/8	0.0062	0.0325	SS-2	2.346	No	Max. Detect. < Res. RBC	30.66	No	NR	

[a] Arsenic background concentration in surface soil at the Old Property Disposal Yard (Appendix D).
[b] Arsenic background concentration in soil at the Fire Training Area (Appendix D).
[c] Reference background criteria for Fort Stewart Military Reservation has similar soil characteristics at the Hunter Army Airfield (Appendix E).

COPC = Constituent of potential concern.
EPA = U. S. Environmental Protection Agency.
Ind. = Industrial.
NA = Not applicable.
NR = Not required.
RBC = Risk-based concentration.
RCRA = Resource Conservation and Recovery Act.
Res. = Residential.
Bold indicates initial COPC.

Table 3-3. Summary of Analytical Results for Subsurface Soil, Hunter Army Airfield Purge Facility

Station	EPA Region 3 Res. Soil RBC[a]	EPA Region 3 Ind. Soil RBC[a]	GSSL	AT-MW-1	AT-MW-2	AT-MW-3	AT-MW-3	AT-MW-4	AT-MW-5	AT-SS-01	AT-SS-02	AT-SS-03
Sample ID				**AT0121**	**AT0221**	**AT0321**	**AT0323**	**AT0421**	**AT0521**	**AT0120**	**AT0220**	**AT0320**
Date				**05/11/06**	**05/10/06**	**05/10/06**	**05/10/06**	**05/10/06**	**05/11/06**	**05/12/06**	**05/12/06**	**05/12/06**
Depth (ft)				**4.0–6.0**	**4.0–6.0**	**4.0–6.0**	**4.0–6.0**	**4.0–6.0**	**4.0–6.0**	**2.0–4.0**	**2.0–4.0**	**2.0–4.0**
Volatile Organic Compounds (mg/kg)												
1,1,2,2-Tetrachloroethane	3.194	14.31	0.003	<0.00127 U	<0.00142 U	<0.00161 U	<0.00236 U	<0.00108 U	0.00067 J	<0.00109 U	<0.00117 U	<0.00109 U
2-Butanone	4,693	61,320	7.685	0.00268 J	<0.00709 U	<0.00805 U	<0.0118 U	<0.00539 U	0.00416 J	<0.00546 U	<0.00583 U	<0.00547 U
Acetone	7,039	91,980	16	0.0348 J	0.0292 =	0.0132 =	0.0181 =	0.00409 J	0.0385 J	<0.00546 U	0.00346 J	0.00995 =
Carbon Disulfide	782.1	10,220	32	<0.00636 U	0.00413 J	<0.00805 U	<0.0118 U	<0.00539 U	0.00285 J	<0.00546 U	0.0035 J	<0.00547 U
Styrene	1,564	20,440	4	0.00055 J	0.00031 J	0.00034 J	0.00055 J	0.00034 J	0.00085 J	0.00029 J	0.00028 J	0.00029 J
Toluene	625.7	8,176	12	0.00822 J	0.00195 =	<0.00161 U	0.00783 =	0.00638 =	0.00063 J	<0.00109 U	<0.00117 U	<0.00109 U
Xylenes, Total	1,564	20,440		0.00026 J	<0.00142 U	<0.00161 U	<0.00236 U	<0.00108 U	<0.00191 U	<0.00109 U	<0.00117 U	<0.00109 U
Semivolatile Organic Compounds (mg/kg)												
Benzo(*a*)pyrene	0.022	0.392	8	<0.0441 U	**0.253 =**	<0.0451 U	<0.0471 U	<0.0445 U	<0.0458 U	<0.0408 UJ	<0.0404 U	<0.0401 U
Metals (mg/kg)												
Arsenic	0.4258	1.908	1	<0.632 U	<0.651 U	<0.676 U	<0.673 U	<0.665 U	<0.664 U	<0.591 U	**0.85 J**	<0.596 U
Barium	1564	20,440	82	5.7 =	5.3 =	3.8 =	3.6 =	5.2 =	5.3 =	1.9 =	7.8 =	6.8 =
Chromium	23.46	306.6	2	**6.2 J**	**8.3 =**	**4.4 =**	**5.8 =**	**9.8 =**	**8 J**	1.8 J	**2.8 J**	**3.7 J**
Lead	400	800	400	7 =	10 =	2.7 =	2.9 =	7.6 =	4.5 =	2.5 =	4.5 =	5.2 =
Mercury	2.346	30.66	0.1	**0.109 =**	**0.172 =**	0.0346 =	0.0281 =	**0.133 =**	0.0538 =	0.0214 =	0.0313 =	0.0544 =
Selenium	39.11	511	0.3	**1.9 =**	**0.99 J**	**0.84 J**	**1.4 J**	<0.798 U	<0.797 U	<0.71 U	<0.714 U	<0.715 U

[a] EPA Region III residential soil RBCs were updated as of December 2006 from the EPA Mid-Atlantic Hazardous Site Cleanup website <http://www.epa.gov/reg3hwmd/risk/index.htm>.
EPA = U. S. Environmental Protection Agency.
Data Qualifiers: "=" = Detected value.
J = Estimated value.
U = Undetected value.
GSSL = Generic soil screening level.
Ind. = Industrial.
RBC = Risk-based concentration.
Res. = Residential.
Bold indicates concentrations above the EPA Region III Residential Soil RBC or GSSL; therefore designating the constituent an initial COPC.

Table 3-4. Evaluation of Site-Related Constituents in Subsurface Soil (May 2006), Hunter Army Airfield Purge Facility

Initial COPC Screening Evaluation									Additional Evaluation Criteria			
Analyte	**Results > Detect. Limit**	**Min. Detect.**	**Max. Detect.**	**Max. Detect. Location**	**EPA Region 3 Res. Soil RBC (mg/kg)**	**GSSL**	**Initial COPC?**	**Justification**	**EPA Region 3 Ind. Soil RBC (mg/kg)**	**Max. Detect. > Ind. RBC**	**Area Bkgd. Criteria**	**Max. Detect. > Similar Bkgd.**
Volatile Organic Compounds (mg/kg)												
1,1,2,2-Tetrachloroethane	1/8	0.0007	0.0007	MW-5	3.194	0.003	No	Max. Detect. < Res. RBC and GSSL	14.31	No	NA	
2-Butanone	2/8	0.0027	0.0042	MW-5	4,693	7.685	No	Max. Detect. < Res. RBC and GSSL	61,320	No	NA	
Acetone	7/8	0.0035	0.0385	MW-5	7,039	16	No	Max. Detect. < Res. RBC and GSSL	91,980	No	NA	
Carbon Disulfide	3/8	0.0029	0.0041	MW-2	782.1	32	No	Max. Detect. < Res. RBC and GSSL	10,220	No	NA	
Styrene	8/8	0.0003	0.0009	MW-5	1,564	4	No	Max. Detect. < Res. RBC and GSSL	20,440	No	NA	
Toluene	4/8	0.0006	0.0082	MW-1	625.7	12	No	Max. Detect. < Res. RBC and GSSL	8,176	No	NA	
Xylenes, Total	1/8	0.0003	0.0003	MW-1	1,564	190	No	Max. Detect. < Res. RBC and GSSL	20,440	No	NA	
Semivolatile Organic Compounds (mg/kg)												
Benzo(*a*)pyrene	**1/8**	**0.253**	**0.253**	**MW-2**	**0.022**	**8**	**Yes**	**Max. Detect. >= Res. RBC**	**0.392**	**No**	**NA**	
RCRA Metals (mg/kg)												
Arsenic	**1/8**	**0.85**	**0.85**	**SS-2**	**0.4258**	**1**	**Yes**	**Max. Detect. >= Res. RBC**	**1.908**	**No**	**1.2[a] 2.6[b] 8.04[c]**	**No**
Barium	8/8	1.9	7.8	SS-2	1,564	82	No	Max. Detect. < Res. RBC and GSSL	20,440	No	NR	
Chromium	**8/8**	**1.8**	**9.8**	**MW-4**	**23.46**	**2**	**Yes**	**Max. Detect. >= GSSL**	**306.6**	**No**	**NR**	
Lead	8/8	2.5	10	MW-2	400	400	No	Max. Detect. < Res. RBC and GSSL	800	No	NR	
Mercury	**8/8**	**0.0214**	**0.172**	**MW-2**	**2.346**	**0.1**	**Yes**	**Max. Detect. >= GSSL**	**30.66**	**No**	**NR**	
Selenium	**3/8**	**0.84**	**1.9**	**MW-1**	**39.11**	**0.3**	**Yes**	**Max. Detect. >= GSSL**	**511**	**No**	**NR**	

[a] Arsenic background concentration in subsurface soil at the Old Property Disposal Yard (Appendix D).
[b] Arsenic background concentration in soil at the Fire Training Area (Appendix D).
[c] Reference background criteria for Fort Stewart Military Reservation has similar soil characteristics as the Hunter Army Airfield (Appendix E).

COPC = Constituent of potential concern.
EPA = U. S. Environmental Protection Agency.
GSSL = Generic soil screening level.
Ind. = Industrial.
NA = Not applicable.
NR = Not required.
RBC = Risk-based concentration.
Res. = Residential.
Bold indicates initial COPC.

Barium, chromium, lead, and mercury concentrations were reported at all eight sample locations with maximum concentrations of 7.8, 9.8, 10.0, and 0.172 mg/kg, respectively.

3.2.2 Evaluation

The subsurface soil analytical results were compared to the EPA Region 3 residential and industrial soil RBCs and the GSSLs. Table 3-4 provides the summary statistics for analytes detected in subsurface soil. The screening process identified one SVOC [benzo(a)pyrene] and four metals (arsenic, chromium, mercury, and selenium) as COPCs in subsurface soil. All other analytes were below their residential RBCs, industrial RBCs, and GSSLs. Arsenic and benzo(*a*)pyrene concentrations exceeded the EPA Region 3 residential RBC at one sample location (MW-2 and SS-2, respectively). Chromium, mercury, and selenium exceeded their respective GSSLs but did not exceed residential or industrial RBCs. Chromium exceeded the GSSL at seven locations, mercury at three locations, and selenium at one location.

Arsenic was estimated (0.85J mg/kg at MW-2) in only one of eight subsurface soil samples that exceeded the EPA Region 3 residential RBC. The concentration did not exceed the EPA Region 3 industrial RBC. The arsenic subsurface soil concentrations at the HAAF Purge Facility were compared to background samples collected at the PDO Yard and the FTA at HAAF (Appendix D) and the reference background developed for FSMR, which has similar characteristic soils (SAIC 2000). Appendix D presents the reference background for both the PDO Yard and the FTA at HAAF taken from the revised final RCRA Facility Investigation Report, PDO Yard at HAAF dated September 1999 (Metcalfe and Eddy 1999) and the revised final Compliance Status Report for the Former FTA (HIS Site Number 10395) at HAAF dated May 24, 2002 (Law 2002), respectively. The estimated maximum arsenic concentration (0.85J mg/kg) was below the arsenic background (1.2 mg/kg) determined for subsurface soil at the PDO Yard and below the background concentration (2.6 mg/kg) determined for soil (no surface/subsurface soil designation) at FTA. The maximum concentration of arsenic (0.85J mg/kg) was significantly less than the arsenic reference background concentration (8.04 mg/kg) determined for FSMR (SAIC 2000). Appendix E presents the background data summary for surface and subsurface soil that was presented in Appendix F of the revised final *Phase II RCRA Facility Investigation for 16 Solid Waste Management Units at Fort Stewart, Georgia* (SAIC 2000). The concentration of arsenic in subsurface soil is attributed to the natural occurring levels in native soil.

Benzo(*a*)pyrene was detected in one of eight subsurface soil sample above the EPA Region 3 residential RBC but below the EPA Region 3 industrial RBC. SVOCs are a common soil constituent in industrialized areas because of the large number of activities that can generate them. These activities include asphalt paving, equipment lubricants, dust suppression, and combustion processes. The one slightly elevated concentration of benzo(*a*)pyrene identified in subsurface soil at the site does not indicate a systematic and routine release from site activities, but to general industrial activities occurring in the area.

Chromium, mercury, and selenium were indicated as COPCs because they were detected above their GSSLs, indicating they may be a contaminant migration concern in groundwater. Mercury and selenium were not detected in groundwater (Section 3.3). Chromium was detected in all five groundwater samples collected at the site. The maximum and only concentration of chromium in groundwater above EPA Region 3 tap water RBCs was at MW-1, the deep surficial groundwater well. This elevated concentration of chromium in groundwater was attributed to turbidity in the sample. The slightly elevated concentrations of chromium, mercury, and selenium in subsurface soil are not contributing to groundwater contamination at the site and represent heterogeneity of the subsurface soil at the site.

3.3 GROUNDWATER

3.3.1 Analytical Results

The groundwater dataset included five samples collected from monitoring wells MW-1 through MW-5 (Table 3-5). The results were compared to EPA Region 3 tap water RBCs. As indicated in Section 2.2.3, MW-3 represents an upgradient location at the site. MW-1, MW-2, and MW-4 are downgradient locations. MW-5 is located side-gradient to the groundwater direction. Appendix C presents the complete analytical results and chain-of-custody forms.

VOCs. Nine VOCs (1,2-dichloroethene; 2-butanone; 4-methyl-2-pentanone; acetone; benzene; ethylbenzene; toluene; trichloroethene; and total xylenes) were detected in groundwater (Table 3-5 and Figure 3-3). Only two chemicals (benzene and trichloroethene) were detected above the EPA Region 3 tap water RBC. Acetone was detected in four of five groundwater samples at concentrations ranging from 1.26J µg/L at MW-5 to 10.5 µg/L at MW-4. Benzene was detected MW-4 at a concentration of 1.09 µg/L. Benzene was not detected above its MCL. 1,2-Dichloroethene and trichloroethene were detected only in the deep monitoring well MW-1 at concentrations of 1.13 and 34.8 µg/L, respectively. Trichloroethene was detected above its EPA Region 3 tap water RBC and MCL. 2-Butanone and 4-methyl-2-pentanone

Table 3-5. Summary of Analytes Detected in Groundwater (July 2006), Hunter Army Airfield Purge Facility

Station	EPA		AT-MW-1	AT-MW-2	AT-MW-3	AT-MW-4	AT-MW-4	AT-MW-5
Sample ID	Region 3 Tap	Federal	AT0112	AT0212	AT0312	AT0412	AT0414	AT0512
Date	Water RBC	MCL	07/23/06	07/23/06	07/24/06	07/24/06	07/24/06	07/24/06
Volatile Organic Compounds (µg/L)								
1,2-Dichloroethene	5.475	70	1.13 =	<1 U	<1 U	<1 U	<1 U	<1 U
2-Butanone	696.8		<5 U	<5 U	<5 U	2.43 J	2.67 J	<5 U
4-Methyl-2-pentanone	627.8		<5 U	<5 U	<5 U	1.49 J	1.76 J	<5 U
Acetone	547.5		1.64 J	<5 U	3.26 J	10.5 =	13 =	1.26 J
Benzene	0.3358	5	<1 U	<1 U	<1 U	**1.09 =**	**1.11 =**	<1 U
Ethylbenzene	134	700	<1 U	0.828 J	<1 U	2.88 =	3.1 =	1.25 =
Toluene	227.1	1,000	0.396 J	0.402 J	<1 U	5.11 =	5.11 =	1.28 =
Trichloroethene	0.02637	5	**34.8 =**	<1 U	<1 U	<1 U	<1 U	<1 U
Xylenes, Total	21.26	10,000	0.496 J	1.07 =	0.277 J	14.6 =	14.6 =	5.32 =
Semivolatile Organic Compounds (µg/L)								
2-Methylnaphthalene	2.433		<1 UJ	<1 U	<1 U	<1 U	0.424 J	**3.46 =**
Benzoic Acid	14,600		<20 U	<20 U	12.1 J	<20 U	14.9 J	<19.6 U
Naphthalene	0.6511		<1 UJ	0.548 J	<1 U	<1 U	**0.676 J**	2.15 =
Metals (µg/L)								
Barium	730	2,000	40.5 =	12.1 =	60.3 =	34.3 =	33.4 =	14.2 =
Cadmium	1.825	5	0.51 J	<0.3 U	<0.3 U	0.32 J	<0.3 U	<0.3 U
Chromium	10.95	100	**16.1 =**	1.3 J	1.8 J	3.6 J	3 J	1.4 J

Data Qualifiers: "=" = Detected value.
J = Estimated value.
U = Undetected value.
EPA = U. S. Environmental Protection Agency.
MCL = Maximum contaminant level.
RBC = Risk-based concentration.
Bold indicates concentrations above the EPA Region 3 tap water RBC, which, therefore, designates the constituent an initial constituent of potential concern.

were detected at MW-4 at concentrations of 2.43J and 1.49J µg/L, respectively. Ethylbenzene was detected in three of five groundwater samples at concentrations of 0.828J µg/L at MW-2, 2.88 µg/L at MW-4, and 1.25 µg/L at MW-5. Toluene was detected in four of five groundwater samples at

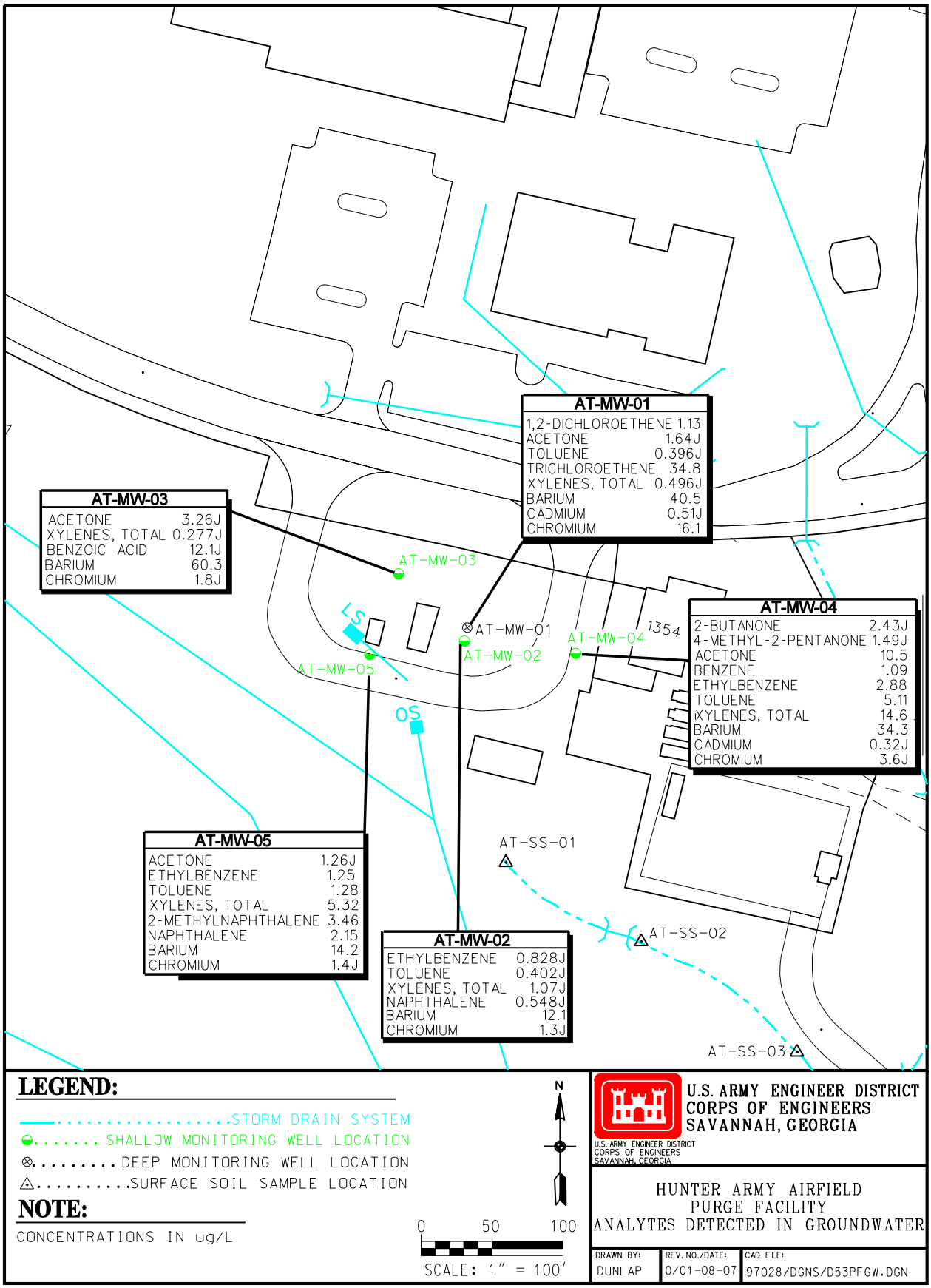

Figure 3-3. Analytes Detected in Groundwater at the Hunter Army Airfield Purge Facility

concentrations ranging from 0.496J µg/L at MW-1 to 14.6 µg/L at MW-4. Total xylenes were detected below EPA Region 3 RBCs in all five groundwater samples at concentrations ranging from 0.277J µg/L at MW-3 to 14.6 µg/L at MW-4.

SVOCs. Three SVOCs (2-methylnaphthalene, benzoic acid, and naphthalene) were detected in the groundwater (Table 3-5 and Figure 3-3). 2-Methylnaphthalene was only detected at MW-5 at a concentration of 3.46 µg/L, which was above its EPA Region 3 tap water RBC. Benzoic acid was estimated at MW-3 at a concentration of 12.1J µg/L. Naphthalene was detected at a concentration of 0.548J and 2.15 µg/L at MW-2 and MW-5, respectively. The naphthalene concentration of 2.15 µg/L was above the EPA Region 3 tap water RBC.

RCRA Metals. Three RCRA metals (barium, cadmium, and chromium) were detected in groundwater (Table 3-5 and Figure 3-3). Barium was detected at all five locations at concentrations ranging from 12.1 µg/L at MW-2 to 60.3 µg/L at MW-3. Cadmium was estimated in two of five groundwater samples at concentrations of 0.51J µg/L at MW-1 and 0.32J µg/L at MW-4. Chromium was detected at all five locations at concentrations ranging from 1.3J µg/L at MW-2 to 16.1 µg/L at MW-1. Only chromium (16.1 µg/L at MW-1) was detected above its EPA Region 3 tap water RBC. None of the concentrations of RCRA metals were above MCLs.

3.3.2 Evaluation

The groundwater analytical results were compared to the EPA Region 3 tap water concentrations and MCLs, when available. Table 3-6 provides the summary statistics for analytes detected in groundwater. Two VOCs (benzene and trichloroethene), two SVOCs (2-methylnaphthalene and naphthalene), and one RCRA metal (chromium) were detected in groundwater above EPA Region 3 tap water RBCs. Of the constituents with MCLs, only trichloroethene was detected above its MCL.

Trichloroethene was only detected in groundwater from the MW-1, the deep monitoring well located at the site. Trichloroethene was not detected in the shallow surficial groundwater and is more likely associated with the chlorinated solvent contamination in the area in the deep surficial groundwater suspected to be from Building 1290, which is upgradient of the site. The HAAF Purge Facility is not the source of the detected trichloroethene in the deep surficial groundwater. The nature and extent of chlorinated solvent contamination in the deep surficial groundwater is being investigated under a separate project.

Benzene, 2-methylnaphthalene, and naphthalene are petroleum-related contaminants. However, given their low frequency of detection and their concentration being detected just slightly above the EPA Region 3 tap water RBC, this level of contamination does not indicate a significant spill but residual contamination from normal petroleum distribution activities.

Chromium was detected above the EPA Region 3 tap water RBC only in groundwater from MW-1, the deep surficial groundwater well. The elevated detection level of chromium in MW-1 is probably due to particulates in the groundwater sample. It should be noted that the highest concentration of all the RCRA metals were detected in MW-1. The turbidity at MW-1 during sampling was 80.2 NTUs (Table 2-3), the highest turbidity concentration of the five wells sampled. The screen of the deep well (45 ft BGS) is located above the Hawthorn clay-confining layer that underlies the site. Therefore, the elevated concentration of chromium in MW-1 is attributed to silt or clay particulates in the groundwater sample being picked up during the groundwater sampling and not due to any releases from the site.

Table 3-6. Summary Statistics of Analytes Detected in Groundwater (July 2006), Hunter Army Airfield Purge Facility

Initial COPC Screening Evaluation									Additional Evaluation Criteria	
Analyte	Results > Detect. Limit	Min. Detect.	Max. Detect.	Max. Detect. Location	EPA Region 3 Tap Water (µg/L)	Max. Detect. > RBC	Initial COPC?	Justification	MCL (µg/L)	Max. Detect. > MCL
Volatile Organic Compounds (µg/L)										
1,2-Dichloroethene	1/5	1.13	1.13	MW-1	5.475	No	No	Max. Detect. < RBC	70	No
2-Butanone	1/5	2.43	2.43	MW-4	696.8	No	No	Max. Detect. < RBC	None	NA
4-Methyl-2-pentanone	1/5	1.49	1.49	MW-4	627.8	No	No	Max. Detect. < RBC	None	NA
Acetone	4/5	1.26	10.5	MW-4	547.5	No	No	Max. Detect. < RBC	None	NA
Benzene	**1/5**	**1.09**	**1.09**	**MW-4**	**0.3358**	**Yes**	**Yes**	**Max. Detect. >= RBC**	**5**	**No**
Ethylbenzene	3/5	0.828	2.88	MW-4	134	No	No	Max. Detect. < RBC	700	No
Toluene	4/5	0.396	5.11	MW-4	227.1	No	No	Max. Detect. < RBC	1,000	No
Trichloroethene	**1/5**	**34.8**	**34.8**	**MW-1**	**0.02637**	**Yes**	**Yes**	**Max. Detect. >= RBC**	**5**	**Yes**
Xylenes, Total	5/5	0.277	14.6	MW-4	21.26	No	No	Max. Detect. < RBC	10,000	No
Semivolatile Organic Compounds (µg/L)										
2-Methylnaphthalene	**1/5**	**3.46**	**3.46**	**MW-5**	**2.433**	**Yes**	**Yes**	**Max. Detect. >= RBC**	**None**	**NA**
Benzoic Acid	1/5	12.1	12.1	MW-3	14,600	No	No	Max. Detect. < RBC	None	NA
Naphthalene	**2/5**	**0.548**	**2.15**	**MW-5**	**0.6511**	**Yes**	**Yes**	**Max. Detect. >= RBC**	**None**	**NA**
RCRA Metals (µg/L)										
Barium	5/5	12.1	60.3	MW-3	730	No	No	Max. Detect. < RBC	2,000	No
Cadmium	2/5	0.32	0.51	MW-1	1.825	No	No	Max. Detect. < RBC	5	No
Chromium	**5/5**	**1.3**	**16.1**	**MW-1**	**10.95**	**Yes**	**Yes**	**Max. Detect. >= RBC**	**100**	**No**

COPC = Constituent of potential concern.
EPA = U. S. Environmental Protection Agency.
MCL = Maximum contaminant level.
NA = Not applicable.
RBC = Risk-based concentration.
RCRA = Resource Conservation and Recovery Act.
Bold indicates initial COPC.

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4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

Surface soil, subsurface soil, and groundwater were collected at the HAAF Purge Facility to determine if contamination was present at the facility from past activities and spills. Low levels of VOCs, SVOCs, and RCRA metals were detected in each media. SRCs in surface soil were compared to EPA Region 3 residential RBCs to determine COPCs. SRCs in subsurface soil were compared to EPA Region 3 residential RBCs and GSSLs to identify COPCs. The groundwater was compared to EPA Region 3 tap water RBCs. A WOE evaluation was performed to determine if the detected chemicals were COPCs requiring further evaluation. The WOE evaluation is summarized in Table 4-1.

4.1.1 Surface and Subsurface Soil

Surface Soil. Seven VOCs, seven SVOCs, and six RCRA metals were detected in surface soil. All of the detected concentrations except arsenic were below their residential and industrial EPA Region 3 RBCs. Arsenic concentrations exceeded the EPA Region 3 residential RBC at six sample locations, but did not exceed the EPA Region 3 industrial RBC. The maximum concentration of arsenic (1.1J mg/kg) was approximately equal to the arsenic background concentration established for the PDO Yard (1 mg/kg) at HAAF, less than the arsenic background concentration established for the FTA (2.6 mg/kg) at HAAF, and less than the arsenic reference background concentration (2.1 mg/kg) developed for FSMR, which have similar characteristic soils. The concentration of arsenic in surface soil is attributed to the natural occurring levels in native soil. Therefore, no further investigation is required for arsenic in surface soil.

Subsurface Soil. Seven VOCs, one SVOC, and six RCRA metals were detected in subsurface soil. Of these, only benzo(*a*)pyrene and arsenic were detected above EPA Region 3 residential RBC. Benzo(*a*)pyrene was detected in one of eight subsurface soil samples above the EPA Region 3 residential RBC but below the EPA Region 3 industrial RBC in subsurface soil. Benzo(*a*)pyrene is an SVOC, which are common soil contaminants in industrialized areas because of the large number of activities that can generate them. These activities include asphalt paving, equipment lubricants, dust suppression, and combustion processes. The one slightly elevated concentration of benzo(*a*)pyrene identified in subsurface soil at the site does not indicate a systematic and routine release from site, but to general industrial activities occurring in the area. Therefore, no further investigation is required for benzo(*a*)pyrene in subsurface soil.

Arsenic was estimated (0.85J mg/kg at MW-2) in only one of eight subsurface soil samples. The concentration exceeded the EPA Region 3 residential RBC but did not exceed the EPA Region 3 industrial RBC. The maximum concentration of arsenic (0.85J mg/kg) was less than the arsenic background established for the PDO Yard (1.2 mg/kg) at HAAF, the background concentration (2.6 mg/kg) established for the FTA at HAAF, and significantly less than the arsenic reference background concentration (8.04 mg/kg) determined for FSMR, which have similar characteristic soils (SAIC 2000). The concentration of arsenic in subsurface soil is attributed to the natural occurring levels in native soil. Therefore, no further investigation is required for arsenic in subsurface soil.

Chromium, mercury, and selenium were detected in subsurface soil above their GSSLs indicating they may be a contaminant migration concern in groundwater. Mercury and selenium were not detected in groundwater. Chromium was detected in all five groundwater samples collected at the site. The maximum and only concentration above EPA Region 3 tap water RBCs was at MW-1, the deep surficial groundwater well. The elevated concentration was attributed to silt or clay particulates in the groundwater

Table 4-1. Summary of Weight-of-Evidence Evaluation for COPCs in Surface Soil, Subsurface Soil, and Groundwater, Hunter Army Airfield Purge Facility

Analyte	Results > Detect. Limit	Min. Detect.	Max. Detect.	Max. Detect. Location	Why Originally a COPC	COPC Requiring Further Evaluation	Weight-of-Evidence Evaluation
Surface Soil (mg/kg)							
Arsenic	6/8	0.64	1.1	AT-MW-2	Max. Detect. >= Res. RBC	No	Maximum detect less than industrial RBC; maximum detect less than arsenic background concentration found in similar characteristic soils in area
Subsurface Soil (mg/kg)							
Benzo(*a*)pyrene	1/8	0.253	0.253	AT-MW-2	Max. Detect. >= Res. RBC	No	Low frequency of detection; one detection attributed to industrial activities in area
Arsenic	1/8	0.85	0.85	AT-SS-2	Max. Detect. >= Res. RBC	No	Maximum detect less than industrial RBC; maximum detect less than arsenic background concentration found in similar characteristic soils in area
Chromium	8/8	1.8	9.8	AT-MW-4	Max. Detect. >= GSSL	No	Detections above GSSL indicate potential contaminant migration to groundwater as a concern; detection in groundwater attributed to particulates in sample
Mercury	8/8	0.0214	0.172	AT-MW-2	Max. Detect. >= GSSL	No	Detections above GSSL indicate potential contaminant migration to groundwater as a concern; chemical not detected in groundwater
Selenium	3/8	0.84	1.9	AT-MW-1	Max. Detect. >= GSSL	No	Detections above GSSL indicate potential contaminant migration to groundwater as a concern; chemical not detected in groundwater
Groundwater (µg/L)							
Benzene	1/5	1.09	1.09	AT-MW-4	Max. Detect. >= Tap Water RBC	No	Low frequency of detection; maximum detect < MCL
Trichloroethene	1/5	34.8	34.8	AT-MW-1	Max. Detect. >= Tap Water RBC and MCL	No	Only detection in deep groundwater; contamination not from Purge Facility but associated with chlorinated solvent groundwater contamination suspected from Building 1290
2-Methylnaphthalene	1/5	3.46	3.46	AT-MW-5	Max. Detect. >= Tap Water RBC	No	Low frequency of detections and maximum detect only slightly elevated above EPA Region 3 tap water RBC
Naphthalene	2/5	0.548	2.15	AT-MW-5	Max. Detect. >= Tap Water RBC	No	Low frequency of detections and maximum detects only slightly elevated above EPA Region 3 tap water RBC
Chromium	5/5	1.3	16.1	AT-MW-1	Max. Detect. >= Tap Water RBC	No	Maximum detect had elevated turbidity in deep groundwater sample due to screened interval above Hawthorn clay-confining layer; therefore, detection in groundwater attributed to particulates in sample

COPC = Constituent of potential concern. GSSL = Generic soil screening level. MCL = Maximum contaminant level. RBC = Risk-based concentration.

sample being picked up during the groundwater sampling and not due to any releases from the site. The slightly elevated concentrations of chromium, mercury, and selenium are not contributing to groundwater contamination at the site and represent heterogeneity of the subsurface soil at the site. Therefore, no further investigation is required for chromium, mercury, and selenium in subsurface soil.

4.1.2 Groundwater

Nine VOCs, three SVOCs, and three RCRA metals were detected in groundwater. Of these, benzene, trichloroethene, 2-methynaphthalene, naphthalene, and chromium were detected above EPA Region 3 tap water RBCs. Benzene was detected in one of five groundwater samples above its Region 3 tap water RBC but below its MCL. 2-Methylnaphthalene and naphthalene were detected at a low frequency of detection and only slightly above EPA Region 3 tap water RBCs.

The slightly detected concentrations of benzene, 2-methylnaphthalene, and naphthalene in shallow surficial groundwater are characteristic of petroleum products being released through the routine operation and maintenance of a petroleum facility and do not represent a systematic release over time or a significant operational spill.

Trichloroethene was only detected in deep surficial groundwater at the HAAF Purge Facility. The detected trichloroethene is likely associated with the chlorinated solvent contamination in the deep surficial groundwater suspected from Building 1290, which is upgradient of the site. The HAAF Purge Facility is not the source of the detected trichloroethene in the deep surficial groundwater. The nature and extent of chlorinated solvent contamination in the deep surficial groundwater is being investigated under a separate project.

The chromium detected in the deep surficial groundwater (chromium) is attributed to particulates being picked up during groundwater sampling. The screen of the deep monitoring well (MW-1) was installed slightly above the underlying Hawthorn clay-confining layer. MW-1 had the highest turbidity of all the groundwater samples indicating particulates in the sample.

4.2 RECOMMENDATIONS

No further investigation is recommended for slightly elevated concentrations of VOCs, SVOCs, and RCRA metals in surface soil, subsurface soil, and groundwater at the HAAF Purge Facility. The chlorinated solvents and the elevated concentration of chromium detected in deep groundwater will continue to be investigated under a separate project. At this time, the shallow and deep monitoring wells should remain in place and be evaluated as potential monitoring points (water levels and analytical) for site-wide investigation activities associated with chlorinated solvent contamination in the deep surficial groundwater.

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5.0 REFERENCES

Law 2002. *Compliance Status Report for Former Fire Training Area (HIS Site Number 10395) at the Hunter Army Airfield, Georgia,* Revised Final, May.

Metcalfe and Eddy 1999. *Resource Conservation and Recovery Act Facility Investigation Report, Old Property Disposal Yard at the Hunter Army Airfield, Georgia*, Revised Final, September.

SAIC (Science Applications International Corporation) 1996. *Work Plan for Preliminary Groundwater and Corrective Action Plan–Part A/Part B Investigations at Former Underground Storage Tank Sites, Fort Stewart, Georgia,* Oak Ridge, Tennessee.

SAIC 1998. *Sampling and Analysis Plan for Corrective Action Plan–Part A and B Investigations for Former Underground Storage Tanks at Hunter Army Airfield, Georgia*, Oak Ridge, Tennessee.

SAIC 2000. *Phase II RCRA Facility Investigation for 16 Solid Waste Management Units at Fort Stewart, Georgia,* Oak Ridge, Tennessee.

SAIC 2006. *Addendum #20 to the Work Plan for Preliminary Groundwater and Corrective Action Plan–Part A/Part B Investigations at Former Underground Storage Tank Sites, Hunter Army Airfield and Fort Stewart, Georgia*, Oak Ridge, Tennessee.

USACE (U. S. Army Corps of Engineers) 2001. Engineer Manual 200-1-3.

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APPENDIX A

SOIL BORING LOGS

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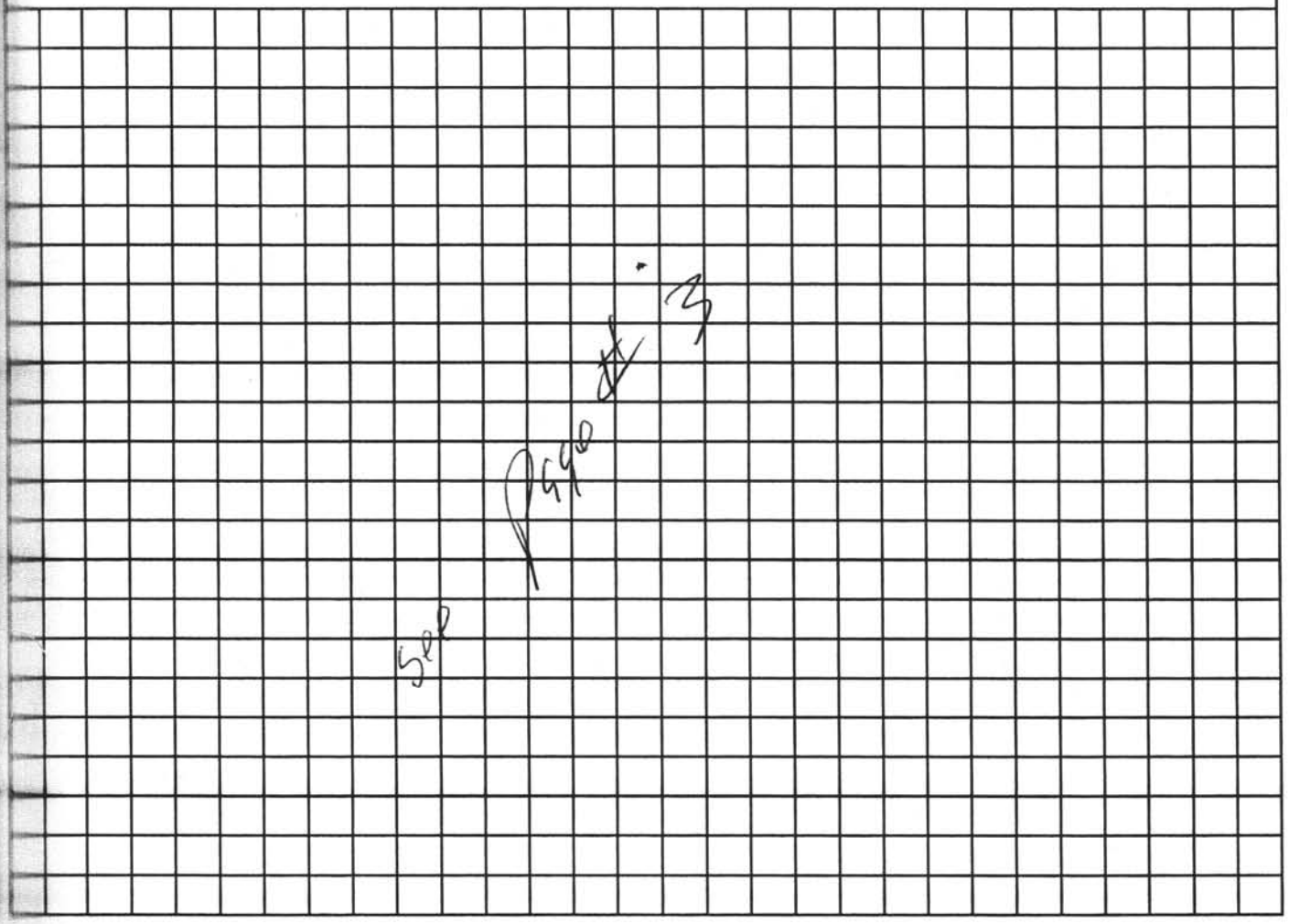
HTRW DRILLING LOG

DISTRICT: USACE Savannah		HOLE NUMBER: AT-MW-01
1. COMPANY NAME: SAIC	2. DRILL SUBCONTRACTOR: Precision	SHEET 1 OF 3
3. PROJECT: Fort Stewart/Hunter	4. LOCATION: HAAF Purge Facility	
5. NAME OF DRILLER: Robert R. Wilkie	6. MANUFACTURERS DESIGNATION OF DRILL: Detrich-35	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 8¼ Hollow Stem Augers	8. HOLE LOCATION:	
	9. SURFACE ELEVATION: TIC	TIC
	10. DATE STARTED: 05/11/06	11. DATE COMPLETED: 05/11/06
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: ~ 4.0 BLS	
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA	
14. TOTAL DEPTH OF HOLE: ~~NA~~ WAS 05/11/06 46 BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. ~~TOTAL NUMBER OF CORE~~ BOXES			
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR		

LOCATION SKETCH/COMMENTS — SCALE:



HTRW DRILLING LOG

HOLE NUMBER AT-MW-01 48

PROJECT: Fort Stewart/Hunter

INSPECTOR Ward H. Re

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	0.0 - 2.5 Poorly graded sand (SP) fine grained subangular, loose moist, light to medium gray ± 2-3% fines	0-2 0.0 ppm 2-4 0.0 ppm 4-6 0.0 ppm			Hand Auger 0 - 4 4-6 SS #1 2.0/2.0
	1					
	2					
	3	2.5 - 20.0 Poorly graded sand with clay (SP-SC) fine grained, subangular, loose wet brownish black				6 - 46 Discription from cuttings
	4					
	5					
	6					
	7					
	8					
	9					
	10					

HTRW DRILLING LOG

HOLE NUMBER AT-MW-#49

PROJECT: Fort Stewart/Hunter

INSPECTOR Wyatt Rue

SHEET 3 OF 5

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

HOLE NUMBER SAT-MW-01-50

PROJECT: Fort Stewart/Hunter

INSPECTOR Wyatt R

SHEET 4 OF 5

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	20	20 - 30				
		Same as above				
	21	Except Black				
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					

HTRW DRILLING LOG

HOLE NUMBER AT-MW#151

PROJECT: Fort Stewart/Hunter

INSPECTOR Wayne H. Pan

SHEET 5 OF 5

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSAPCE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	30	30-46 SAMP GS GROUP				
	31					
	32					
	33					
	34					
	35					
	36					
	37					
	38					
	39	TD = 46 BLS				
	40					

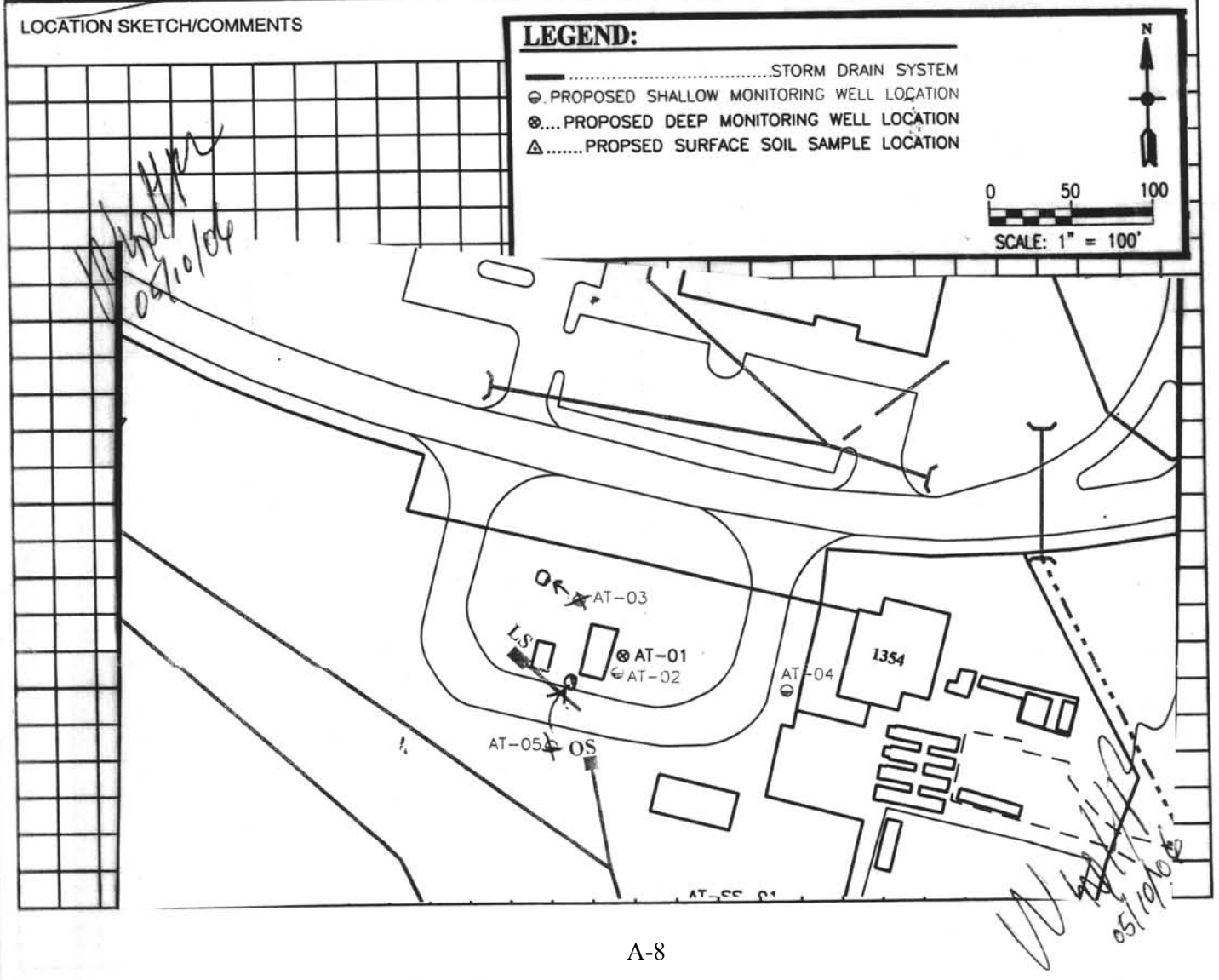
3

HTRW DRILLING LOG

DISTRICT: USACE Savannah		HOLE NUMBER: AT-MW-02
1. COMPANY NAME: SAIC	2. DRILL SUBCONTRACTOR: Precision	SHEET 1 OF 3
3. PROJECT: Fort Stewart/Hunter	4. LOCATION: HAAF Purge Facility	
5. NAME OF DRILLER: Robert R. Wilkie	6. MANUFACTURERS DESIGNATION OF DRILL: Detrick-30	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 8¼ OD Hollow Stem Auger and Wood Plug	8. HOLE LOCATION:	
	9. SURFACE ELEVATION:	
	10. DATE STARTED: 05/10/06	11. DATE COMPLETED: 05/10/06
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: ≈ 4.0 BLS	
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA	
14. TOTAL DEPTH OF HOLE: 12.5 BLS	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA	

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES			
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
		WHP				
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR: Wayne Hyre		

LOCATION SKETCH/COMMENTS



HTRW DRILLING LOG

HOLE NUMBER AT-MW-02 4

PROJECT: Fort Stewart/Hunter

INSPECTOR Wayne Hall

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	0.0 - 6.0 Poorly graded sand (SP) fine to medium grained, subangular moist to dry, loose medium gray to	0-2 0.0 ppm			Hand Auger 0-4'
	2		2-4 0.0 ppm			
	3					SS @ 1
	4		4-6 0.0 ppm			4-6 2.0/2.0 water @ 4' BLS
	5					
	6	6.0 - 12.5 cutting indicate Poorly graded sand with clay (SP-SC) fine to medium grained, subangular dark brownish black				
	7					
	8					
	9					
	10					

HTRW DRILLING LOG

HOLE NUMBER AT-MW-02

PROJECT: Fort Stewart/Hunter

INSPECTOR

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11					
	12					
	13	TD = 12.5 BLS				
	14					
	15					
	16					WHP
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: AT-MW-03

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Precision

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF Purge Facility

5. NAME OF DRILLER:

6. MANUFACTURERS DESIGNATION OF DRILL: Detrick-35

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 8¼ Hollow Stem Auger and wood plug

8. HOLE LOCATION:

9. SURFACE ELEVATION:

10. DATE STARTED: 05/10/06

11. DATE COMPLETED: 05/10/06

12. OVERBURDEN THICKNESS: NA

15. DEPTH GROUNDWATER ENCOUNTERED: ≈ 4.0 Ft

13. DEPTH DRILLED INTO ROCK: NA

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

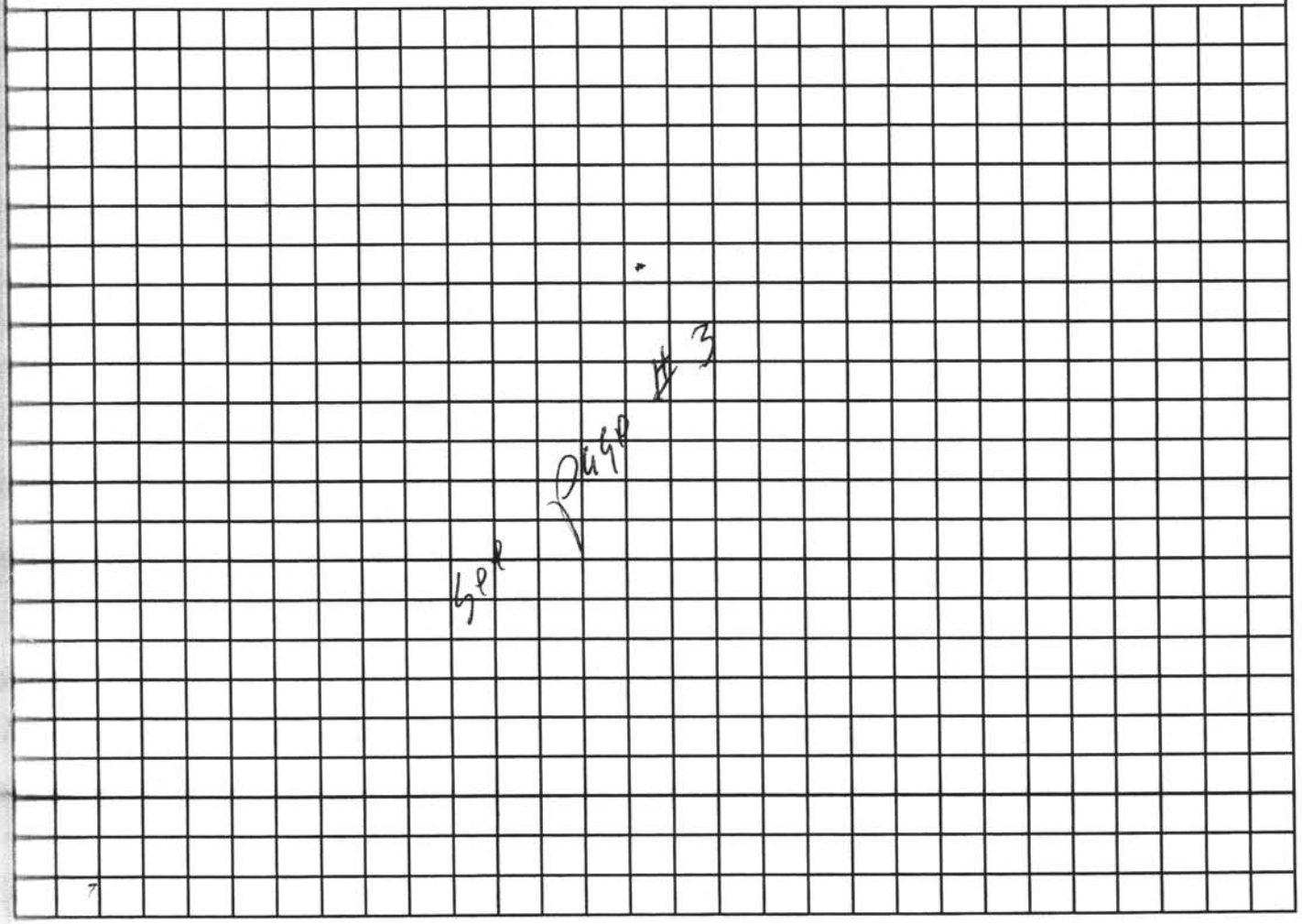
14. TOTAL DEPTH OF HOLE: 12.5

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

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES			
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
					BETX TDW	
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR		
				Wayne R. Penn		

LOCATION SKETCH/COMMENTS

SCALE:



HTRW DRILLING LOG

HOLE NUMBER AT-MW-03 15

PROJECT: Fort Stewart/Hunter

INSPECTOR Wayne H. Pan

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		0.0 - 4.0				0.0 - 4.0
		Poorly graded sand (SP) medium grained subangular loose wet to moist	0 - 2 0.0 ppm			Hand Auger
			2 - 4 0.0 ppm			
		4.0 - 6.0				
		Poorly graded sand with clay (SP-SC) fine grained subangular loose moist to wet	4 - 6 0.0 ppm			
		6.0 - 12.5				
		Same as above				

HTRW DRILLING LOG

HOLE NUMBER AT-MW-03 16

PROJECT: Fort Stewart/Hunter

INSPECTOR Wyatt Rice

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11					
	12					
	13	TD = 12.5 BLS				
	14					
	15					
	16					
	17					
	18					
	19					
	20					

25

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER: AT-MW-04

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR: Precision

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF Purge Facility

5. NAME OF DRILLER: Robert R. Wilkie

6. MANUFACTURERS DESIGNATION OF DRILL: Petrick - 33

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 8¼ Hollow Stem Augers with wood plug

8. HOLE LOCATION:

9. SURFACE ELEVATION:

10. DATE STARTED: 05/10/06

11. DATE COMPLETED: 05/10/06

12. OVERBURDEN THICKNESS: NA

15. DEPTH GROUNDWATER ENCOUNTERED: 14.0

13. DEPTH DRILLED INTO ROCK: NA

16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA

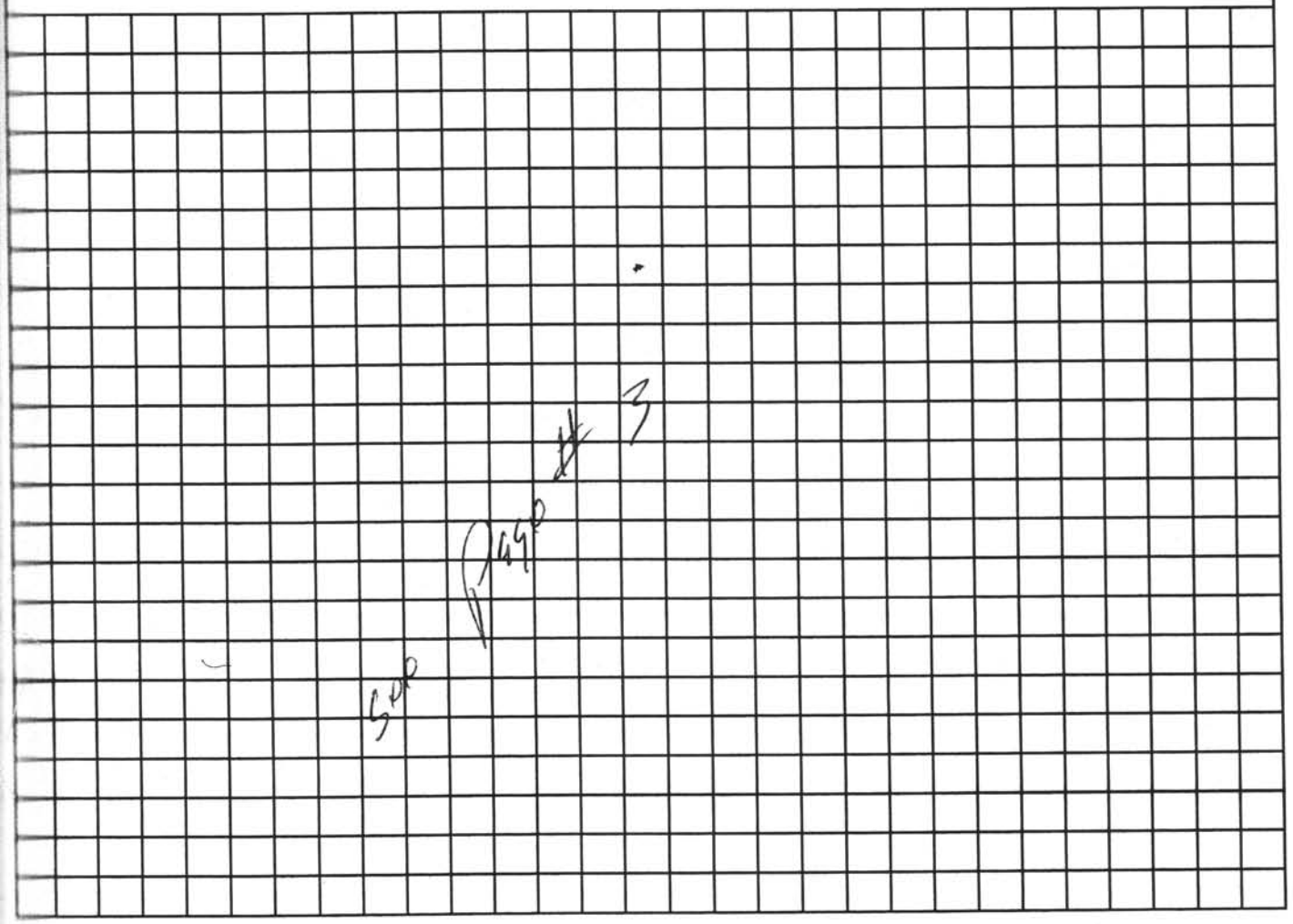
14. TOTAL DEPTH OF HOLE: 12.5

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA

18. GEOTECHNICAL SAMPLES	DISTURBED	UNDISTURBED	~~19. TOTAL NUMBER OF CORE BOXES~~			
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR		

LOCATION SKETCH/COMMENTS

SCALE:



HTRW DRILLING LOG

HOLE NUMBER AT-MW-126

PROJECT: Fort Stewart/Hunter

INSPECTOR Wyatt R

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	0.0 - 3.0 Poorly graded sand (SP) fine grained subangular, moist loose, Light brown to Black	0-2 0.0 ppm			0-4 Hand Auger
	2		2-4 0.0 ppm			SS #1 4-6 2.0/2.0
	3	3.0 - 6.0 Poorly graded sand with clay (SP-SC) fine grained subangular, moist to wet Brownish Black.	4-6 0.0 ppm			Water @ 4.0 BGS
	6	6.0 - 12.5 Cutting indicate Sample as Group				
	10					

HTRW DRILLING LOG

HOLE NUMBER AT-MW-04

PROJECT: Fort Stewart/Hunter

INSPECTOR Wayne H. Pa

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11					
	12					
	13	TD= 12.5				
	14					
	15					
	16					
	17					
	18					
	19					
	20					

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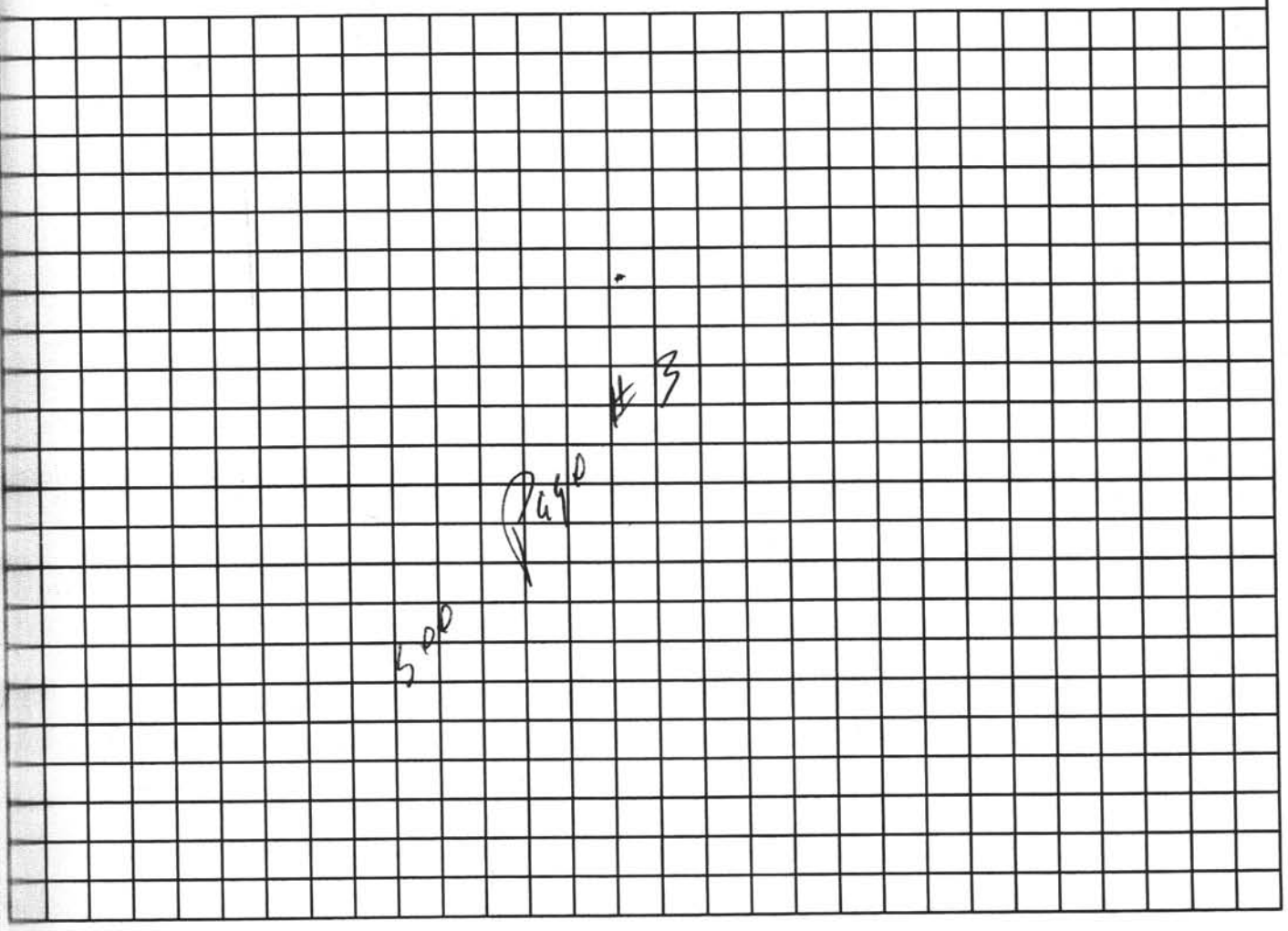
HTRW DRILLING LOG

DISTRICT: USACE Savannah		HOLE NUMBER: AT-MW-05
1. COMPANY NAME: SAIC	2. DRILL SUBCONTRACTOR: Precision	SHEET 1 OF 3
3. PROJECT: Fort Stewart/Hunter	4. LOCATION: HAAF Purge Facility	
5. NAME OF DRILLER:	6. MANUFACTURERS DESIGNATION OF DRILL: Detrick-35	
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 8¼ Hollow Stem Augers and Wood Plug	8. HOLE LOCATION:	
	9. SURFACE ELEVATION:	
	10. DATE STARTED: 05/10/06	11. DATE COMPLETED: 05/10/06
12. OVERBURDEN THICKNESS: NA	15. DEPTH GROUNDWATER ENCOUNTERED: ≈ 4.0 BLS	
13. DEPTH DRILLED INTO ROCK: NA	16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: NA	
14. TOTAL DEPTH OF HOLE: 12.5	17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): NA	

18. GEOTECHNICAL SAMPLES	DISTRICT	UNDISTURBED	19. TOTAL NUMBER OF CORE BOXES			
20. SAMPLES FOR CHEMICAL ANALYSIS	VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
		WHP				
22. DISPOSITION OF HOLE	BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	23. SIGNATURE OF INSPECTOR: Wayne H. Rue		

LOCATION SKETCH/COMMENTS — SCALE:



HTRW DRILLING LOG

HOLE NUMBER AT-MW-03

PROJECT: Fort Stewart/Hunter

INSPECTOR Wyatt Ra

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	0	0.0 - 3.5	0-2			0-4
	1	Poorly graded sand (SP) fine grained subangular, 100SP	0.0 ppm			Hand Auger
	2	moist light gray 4% fines	2-4 0.0 ppm			SS #1 4-6 2.0/2.0
	3		4-6 7.5 ppm			
	4	3.5 - 6.0 Poorly graded sand with clay (SP-SC) fine grained, subangular, 100SP wet, brownish black				
	5					
	6					
	7	6.0 - 12.5 cutting indicate same as above				
	8					
	9					
	10					

HTRW DRILLING LOG

HOLE NUMBER AT-MW-0538

PROJECT: Fort Stewart/Hunter

INSPECTOR W. H. Pine

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11					
	12					
	13					
	14					
	15					
	16			WLP		
	17					
	18					
	19					
	20					

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APPENDIX B

WELL CONSTRUCTION DIAGRAMS

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MONITORING WELL INSTALLATION LOG

PROJECT: HAAF Purge Facility **DELIVERY ORDER NO:** 0064

MONITORING WELL ID: ~~05/10/0~~ AT-MW-01

INSTALLATION START: **DATE:** 05/11/06 **TIME:** 0915

INSTALLATION FINISH: **DATE:** 05/11/06 **TIME:** 1200

ANNULAR SPACE MATERIALS INVENTORY:

GRANULAR FILTER PACK: **TYPE:** Standard 20/30 **QUANTITY:** 200 lbs

BENTONITE SEAL: **TYPE:** Pure Gold 3/8" pellets **QUANTITY:** 50 lbs

GROUT: **TYPE:** Portland Type I/II **QUANTITY:** 7 bags (94 lb) & Powder bentonite

DESCRIPTION OF WELL SCREEN:

SLOT SIZE (inches): 0.010 **SLOT CONFIGURATION:** Slotted cut Horizontal

TOTAL OPEN AREA PER FOOT OF SCREEN: N/A

OUTSIDE DIAMETER: 2 3/3" **NOMINAL INSIDE DIAMETER:** 2"

SCHEDULE/THICKNESS: SCH 40 **COMPOSITION:** PVC

MANUFACTURER: Johnson

TYPE OF MATERIAL BETWEEN BOTTOM OF BORING AND SCREEN: filter sand

DESCRIPTION OF WELL CASING:

OUTSIDE DIAMETER: 2 3/3" **NOMINAL INSIDE DIAMETER:** 2"

SCHEDULE/THICKNESS: SCH 40 **COMPOSITION:** PVC

MANUFACTURER: Johnson

JOINT DESIGN AND COMPOSITION: Flush Threaded

CENTRALIZERS DESIGN AND COMPOSITION: NONE

DESCRIPTION OF PROTECTIVE CASING: NONE

NOMINAL INSIDE DIAMETER: _____ **COMPOSITION:** N/A

SPECIAL PROBLEMS ENCOUNTERED DURING WELL CONSTRUCTION AND THEIR RESOLUTION:

NONE

Was all well screen and casing material used for construction free of foreign matter (e.g., adhesive tape, labels, soil, etc.)? YES [✓] NO [ ]

Was all well screen and casing material used for construction free of unsecured couplings, ruptures, and other physical breakage and/or defects? YES [✓] NO [ ]

Is deformation or bending of the installed well screen and casing minimized to the point of allowing the insertion and retrieval of a 1.0-inch bailer throughout the entire length of the completed well? YES [✓] NO [ ]

QUANTITY OF APPROVED WATER USED FOR FILTER PACK ENPLACEMENT: 10 gallons

RECORDED BY: _____ 05/11/06 (Signature & Date) **QA CHECK BY:** _____ 5/26/06 (Signature & Date)

MONITORING WELL

PROJECT: HAAF Purge Facility

DELIVERY ORDER NO: 0064

WELL NUMBER: AT-MW-01

BEGIN: 05/11/06

END: 05/11/06

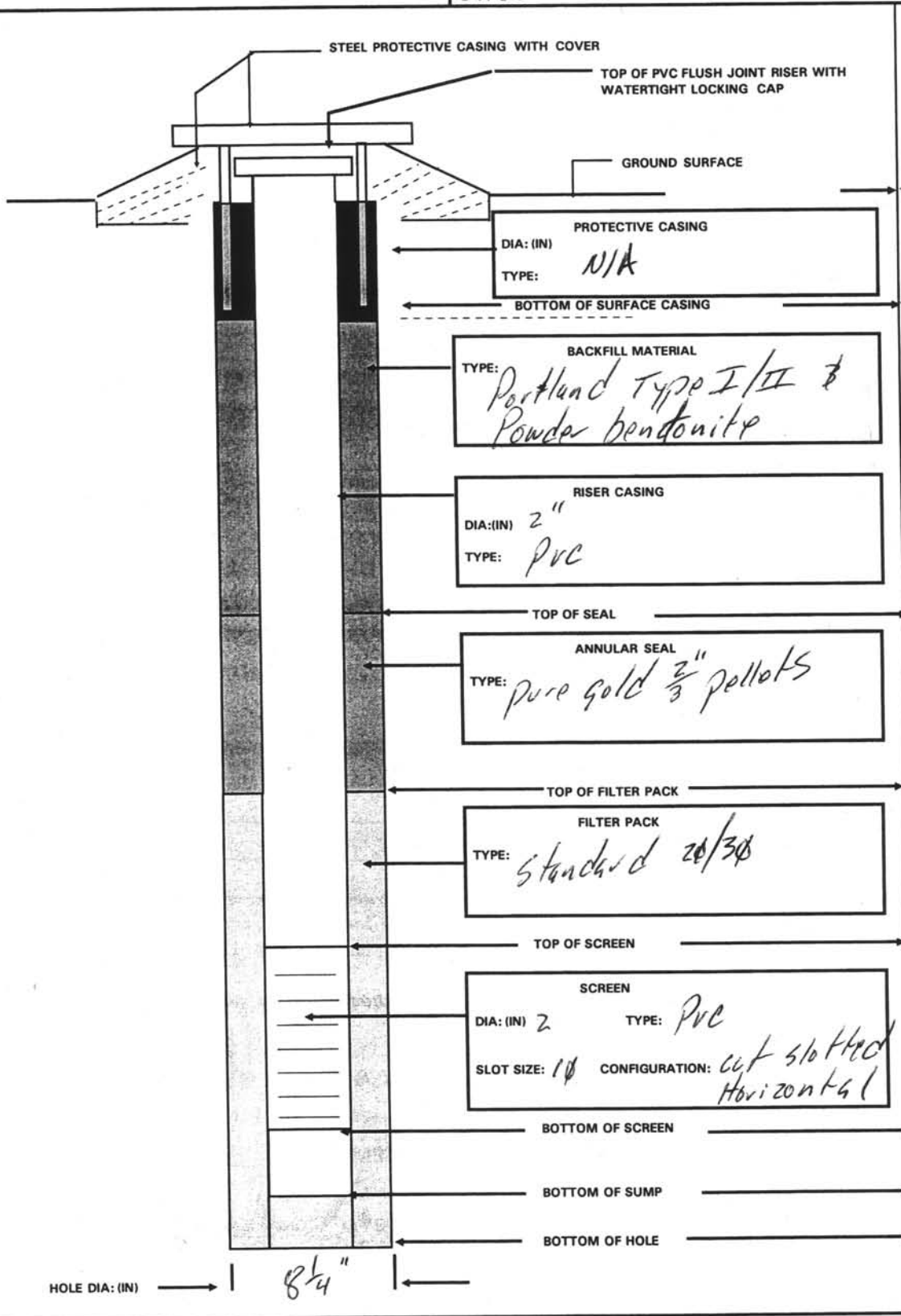
COORDINATES: N:
E:

DATUM/UNITS:

REFERENCE POINT: Ground Surface

ELEVATION:

DATUM/UNITS:



MONITORING WELL INSTALLATION LOG

PROJECT: HAAF Purge Facility **DELIVERY ORDER NO:** 0064

MONITORING WELL ID: AT-MW ~~03~~ 02 TSC

INSTALLATION START: DATE: 05/10/06 TIME: 1215

INSTALLATION FINISH: DATE: 05/10/06 TIME: 1325

ANNULAR SPACE MATERIALS INVENTORY:

- **GRANULAR FILTER PACK:** TYPE: Standard 20/30 QUANTITY: 300 lbs
- **BENTONITE SEAL:** TYPE: Pure Gold 3/8" pellets QUANTITY: 15 lbs
- **GROUT:** TYPE: Portland Type I/II Powder Bentonite QUANTITY: 1 gallon

DESCRIPTION OF WELL SCREEN:

- **SLOT SIZE (inches):** 0.010 **SLOT CONFIGURATION:** Slotted Horizontal
- **TOTAL OPEN AREA PER FOOT OF SCREEN:** NA
- **OUTSIDE DIAMETER:** 2 3/3" **NOMINAL INSIDE DIAMETER:** 2"
- **SCHEDULE/THICKNESS:** Sch 40 **COMPOSITION:** PVC
- **MANUFACTURER:** Johnson

TYPE OF MATERIAL BETWEEN BOTTOM OF BORING AND SCREEN: filter Sand

DESCRIPTION OF WELL CASING:

- **OUTSIDE DIAMETER:** 2 3/3" **NOMINAL INSIDE DIAMETER:** 2"
- **SCHEDULE/THICKNESS:** Sch 40 **COMPOSITION:** PVC
- **MANUFACTURER:** Johnson

JOINT DESIGN AND COMPOSITION: Flush Threaded

CENTRALIZERS DESIGN AND COMPOSITION: NONE

DESCRIPTION OF PROTECTIVE CASING: NONE

- **NOMINAL INSIDE DIAMETER:** _____ **COMPOSITION:** N/A

SPECIAL PROBLEMS ENCOUNTERED DURING WELL CONSTRUCTION AND THEIR RESOLUTION:

NONE

Was all well screen and casing material used for construction free of foreign matter (e.g., adhesive tape, labels, soil, etc.)? YES [✓] NO [ ]

Was all well screen and casing material used for construction free of unsecured couplings, ruptures, and other physical breakage and/or defects? YES [✓] NO [ ]

Is deformation or bending of the installed well screen and casing minimized to the point of allowing the insertion and retrieval of a 1.0-inch bailer throughout the entire length of the completed well? YES [✓] NO [ ]

QUANTITY OF APPROVED WATER USED FOR FILTER PACK ENPLACEMENT: 5 gallons

RECORDED BY: Wyatt Parker 05/10/06 (Signature & Date)

QA CHECK BY: [signature] 5/26/06 (Signature & Date)

MONITORING WELL

PROJECT: HAAF Purge Facility

DELIVERY ORDER NO: 0064

WELL NUMBER: AT-MW-02

BEGIN: 05/10/06

END: 05/10/06

COORDINATES: N:

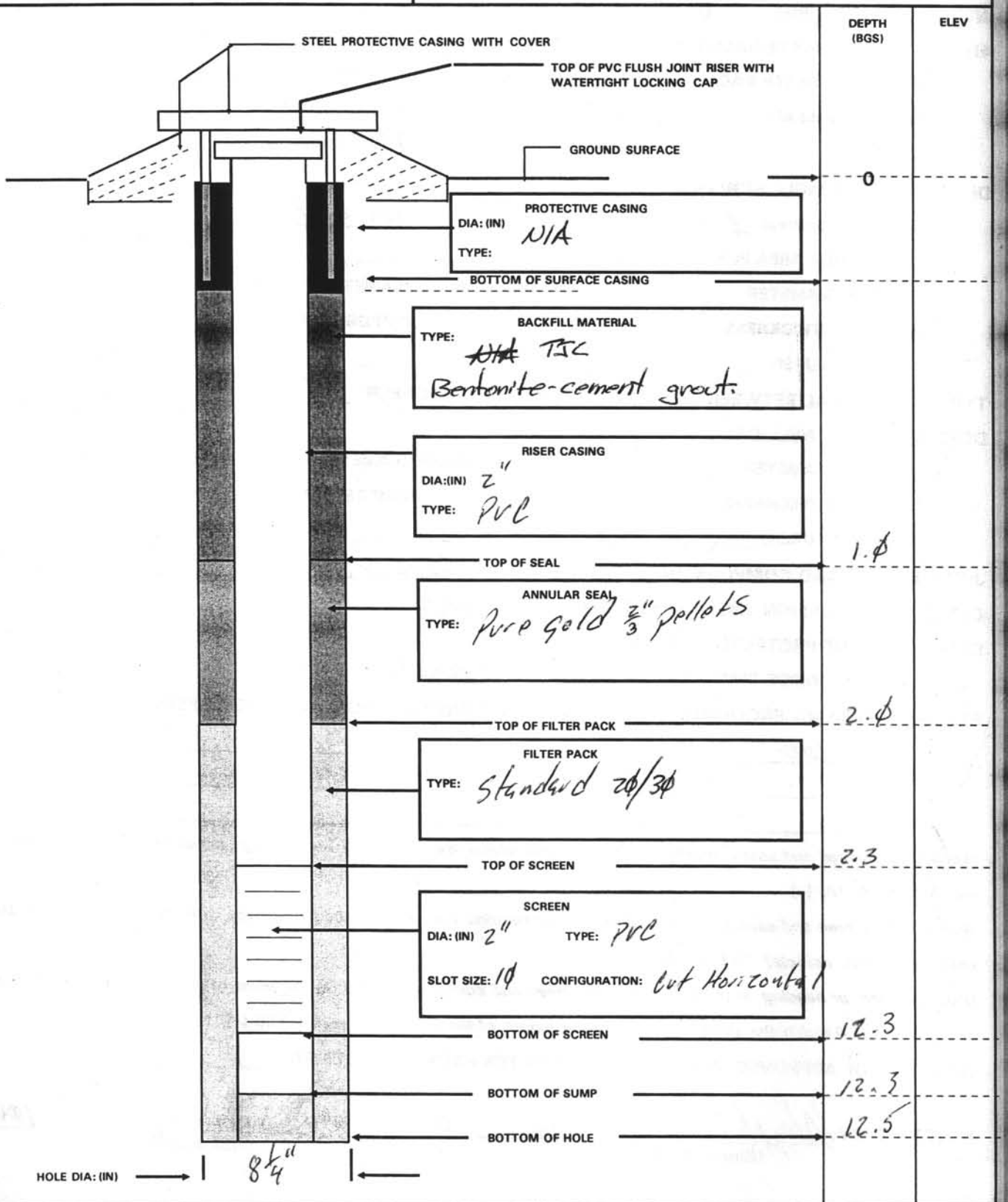
E:

DATUM/UNITS:

REFERENCE POINT: Ground surface

ELEVATION:

DATUM/UNITS:



MONITORING WELL INSTALLATION LOG

PROJECT: HAAF Purge Facility **DELIVERY ORDER NO:** 0064

MONITORING WELL ID: AT-MW-03

INSTALLATION START: DATE: 05/10/06 TIME: 1340

INSTALLATION FINISH: DATE: 05/10/06 TIME: 1425

ANNULAR SPACE MATERIALS INVENTORY:

GRANULAR FILTER PACK: TYPE: Standard 20/30 QUANTITY: 250 lbs

BENTONITE SEAL: TYPE: Pure gold 3/8" pellets QUANTITY: 15 lbs

GROUT: TYPE: ~~Pur~~ N/A QUANTITY: N/A

DESCRIPTION OF WELL SCREEN:

SLOT SIZE (inches): 0.010 SLOT CONFIGURATION: Slotted Horizontal

TOTAL OPEN AREA PER FOOT OF SCREEN: NA

OUTSIDE DIAMETER: 2 2/3" NOMINAL INSIDE DIAMETER: 2"

SCHEDULE/THICKNESS: SCH 40 COMPOSITION: PVC

MANUFACTURER: Johnson

TYPE OF MATERIAL BETWEEN BOTTOM OF BORING AND SCREEN: Filter sand

DESCRIPTION OF WELL CASING: 2/3"

OUTSIDE DIAMETER: 2 NOMINAL INSIDE DIAMETER: 2"

SCHEDULE/THICKNESS: SCH 40 COMPOSITION: PVC

MANUFACTURER: Johnson

JOINT DESIGN AND COMPOSITION: Flush Threaded

CENTRALIZERS DESIGN AND COMPOSITION: NONE

DESCRIPTION OF PROTECTIVE CASING: NONE

NOMINAL INSIDE DIAMETER: _____ COMPOSITION: N/A

SPECIAL PROBLEMS ENCOUNTERED DURING WELL CONSTRUCTION AND THEIR RESOLUTION:

NONE

Was all well screen and casing material used for construction free of foreign matter (e.g., adhesive tape, labels, soil, etc.)? YES [✓] NO [ ]

Was all well screen and casing material used for construction free of unsecured couplings, ruptures, and other physical breakage and/or defects? YES [✓] NO [ ]

Is deformation or bending of the installed well screen and casing minimized to the point of allowing the insertion and retrieval of a 1.0-inch bailer throughout the entire length of the completed well? YES [✓] NO [ ] with 05/10/06

QUANTITY OF APPROVED WATER USED FOR FILTER PACK ENPLACEMENT: ~~NONE~~ 5 gallons

RECORDED BY: Wayne H. Ph (Signature & Date)

QA CHECK BY: [signature] 5/26/06 (Signature & Date)

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MONITORING WELL

PROJECT: HAAF Purge Facility

DELIVERY ORDER NO: 0064

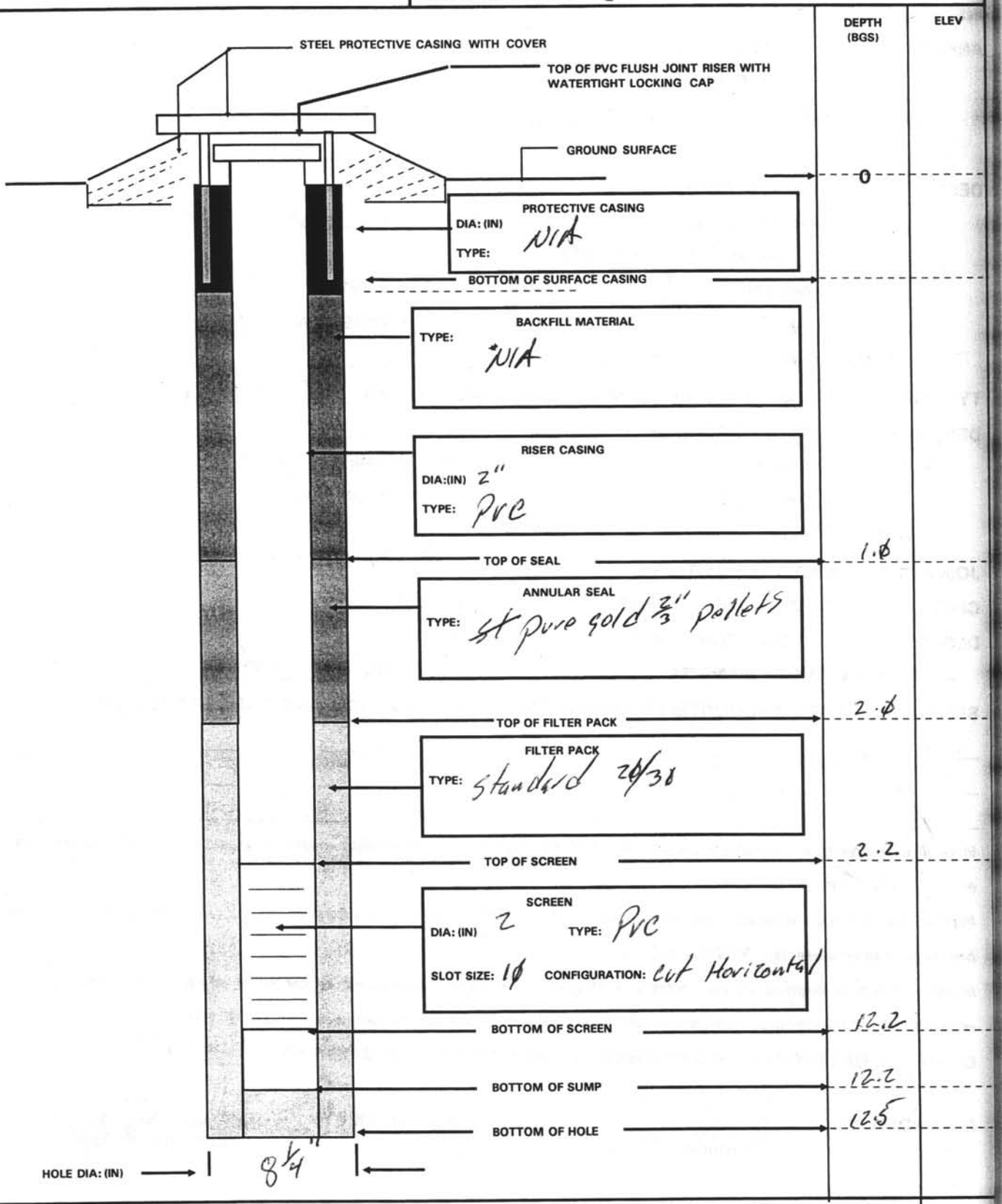
WELL NUMBER: AT-MW-03

BEGIN: 05/10/06 **END:** 05/10/06

COORDINATES: N: E:

DATUM/UNITS:

REFERENCE POINT: Ground Surface **ELEVATION:** **DATUM/UNITS:**



MONITORING WELL INSTALLATION LOG

PROJECT: HAAF Purge Facility **DELIVERY ORDER NO:** 0064

MONITORING WELL ID: AT-MW-04

INSTALLATION START: DATE: 05/10/06 TIME: 1430

INSTALLATION FINISH: DATE: 05/10/06 TIME: 1515

ANNULAR SPACE MATERIALS INVENTORY:

- **GRANULAR FILTER PACK:** TYPE: Standard 20/30 QUANTITY: ~~20~~ 25 lbs
- **BENTONITE SEAL:** TYPE: Pure gold 3/8" pellets QUANTITY: 15 lbs
- **GROUT:** TYPE: NA QUANTITY: NA

DESCRIPTION OF WELL SCREEN:

- **SLOT SIZE (inches):** 0.010 **SLOT CONFIGURATION:** slotted Horizontal cut
- **TOTAL OPEN AREA PER FOOT OF SCREEN:** NIA
- **OUTSIDE DIAMETER:** 2 2/3" **NOMINAL INSIDE DIAMETER:** 2"
- **SCHEDULE/THICKNESS:** SCH 40 **COMPOSITION:** PVC
- **MANUFACTURER:** Johnson

TYPE OF MATERIAL BETWEEN BOTTOM OF BORING AND SCREEN: Filter pack

DESCRIPTION OF WELL CASING:

- **OUTSIDE DIAMETER:** 2 2/3" **NOMINAL INSIDE DIAMETER:** 2"
- **SCHEDULE/THICKNESS:** SCH 40 **COMPOSITION:** PVC
- **MANUFACTURER:** Johnson

JOINT DESIGN AND COMPOSITION: Flush Threaded

CENTRALIZERS DESIGN AND COMPOSITION: NONE

DESCRIPTION OF PROTECTIVE CASING: NONE

- **NOMINAL INSIDE DIAMETER:** _____ **COMPOSITION:** NIA

SPECIAL PROBLEMS ENCOUNTERED DURING WELL CONSTRUCTION AND THEIR RESOLUTION:

NONE

Was all well screen and casing material used for construction free of foreign matter (e.g., adhesive tape, labels, soil, etc.)? YES [✓] NO [ ]

Was all well screen and casing material used for construction free of unsecured couplings, ruptures, and other physical breakage and/or defects? YES [✓] NO [ ]

Is deformation or bending of the installed well screen and casing minimized to the point of allowing the insertion and retrieval of a 1.0-inch bailer throughout the entire length of the completed well? YES [✓] NO [ ]

QUANTITY OF APPROVED WATER USED FOR FILTER PACK ENPLACEMENT: 5 gallons

RECORDED BY: [signature] 05/10/06 (Signature & Date) **QA CHECK BY:** [signature] 5/26/06 (Signature & Date)

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MONITORING WELL

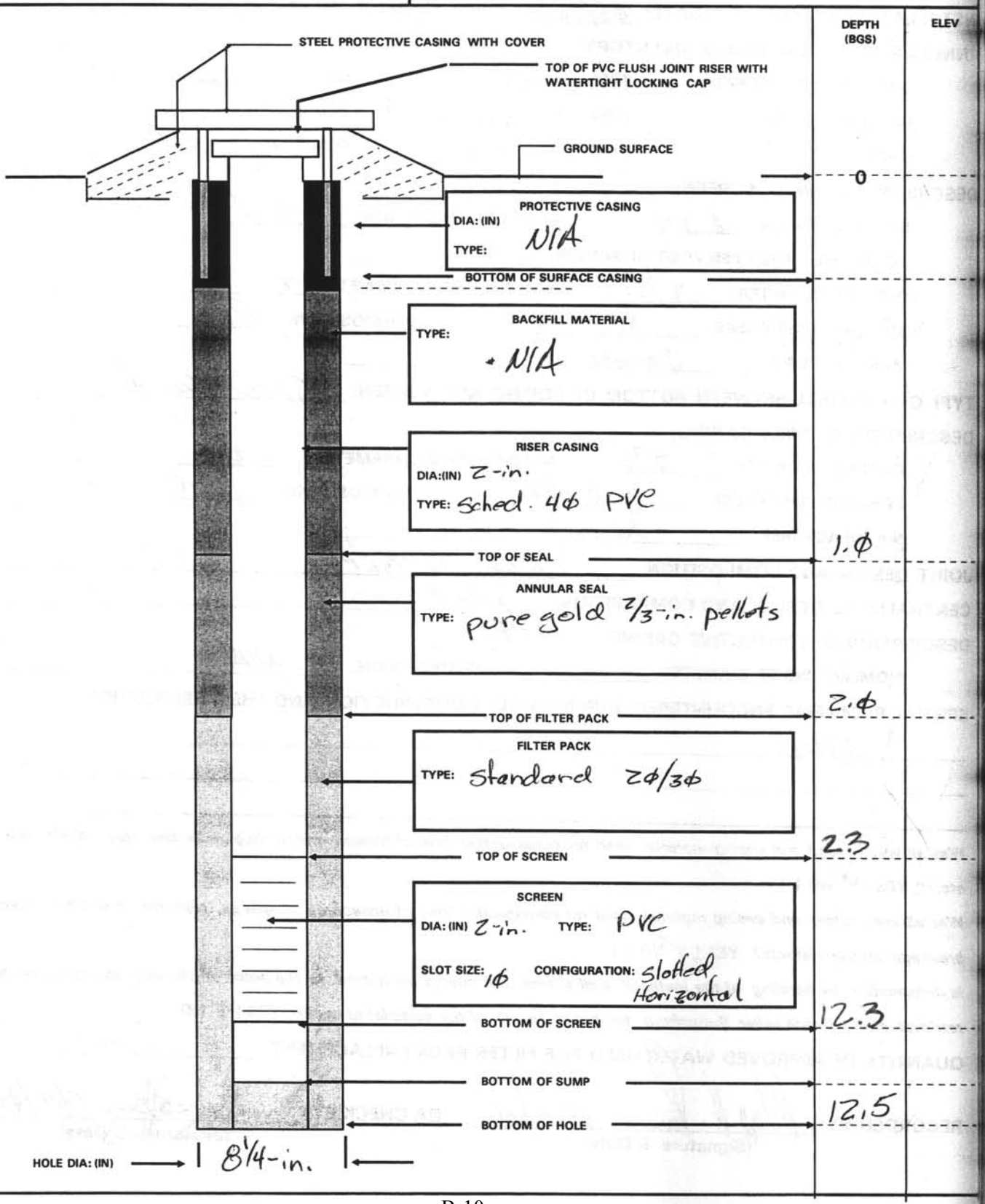
PROJECT: HAAF Purge Facility
DELIVERY ORDER NO: 0064

WELL NUMBER: AT-MW-04
BEGIN: 5/16/06
END: 5/16/06

COORDINATES: N:
E:

DATUM/UNITS:

REFERENCE POINT: Ground surface
ELEVATION:
DATUM/UNITS:



MONITORING WELL INSTALLATION LOG

PROJECT: HAAF Purge Facility **DELIVERY ORDER NO:** 0064

MONITORING WELL ID: AT-MW-05

INSTALLATION START: DATE: 05/11/06 TIME: 0815

INSTALLATION FINISH: DATE: 05/11/06 TIME: 0900

ANNULAR SPACE MATERIALS INVENTORY:

- **GRANULAR FILTER PACK:** TYPE: Standard 20/30 QUANTITY: 300 lbs
- **BENTONITE SEAL:** TYPE: Pure gold 3/8" pellets QUANTITY: 15 lbs
- **GROUT:** TYPE: NA QUANTITY: NA

DESCRIPTION OF WELL SCREEN:

- **SLOT SIZE (inches):** 0.010 **SLOT CONFIGURATION:** slotted Horizontal
- **TOTAL OPEN AREA PER FOOT OF SCREEN:** NA
- **OUTSIDE DIAMETER:** 2 2/3" **NOMINAL INSIDE DIAMETER:** 2"
- **SCHEDULE/THICKNESS:** PVC SCH 40 **COMPOSITION:** PVC
- **MANUFACTURER:** Johnson

TYPE OF MATERIAL BETWEEN BOTTOM OF BORING AND SCREEN: Filter sand

DESCRIPTION OF WELL CASING:

- **OUTSIDE DIAMETER:** 2 2/3" **NOMINAL INSIDE DIAMETER:** 2"
- **SCHEDULE/THICKNESS:** SCH 40 **COMPOSITION:** PVC
- **MANUFACTURER:** Johnson

JOINT DESIGN AND COMPOSITION: Flush Threaded

CENTRALIZERS DESIGN AND COMPOSITION: NONE

DESCRIPTION OF PROTECTIVE CASING: NONE

- **NOMINAL INSIDE DIAMETER:** _____ **COMPOSITION:** NA

SPECIAL PROBLEMS ENCOUNTERED DURING WELL CONSTRUCTION AND THEIR RESOLUTION:

NONE

Was all well screen and casing material used for construction free of foreign matter (e.g., adhesive tape, labels, soil, etc.)? YES [✓] NO [ ]

Was all well screen and casing material used for construction free of unsecured couplings, ruptures, and other physical breakage and/or defects? YES [✓] NO [ ]

Is deformation or bending of the installed well screen and casing minimized to the point of allowing the insertion and retrieval of a 1.0-inch bailer throughout the entire length of the completed well? YES [✓] NO [ ]

QUANTITY OF APPROVED WATER USED FOR FILTER PACK ENPLACEMENT: 5 gallons

RECORDED BY: _____ 05/11/06 **QA CHECK BY:** _____ 5/26/06
(Signature & Date) (Signature & Date)

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MONITORING WELL

PROJECT: HAAF Purge Facility

DELIVERY ORDER NO: 0064

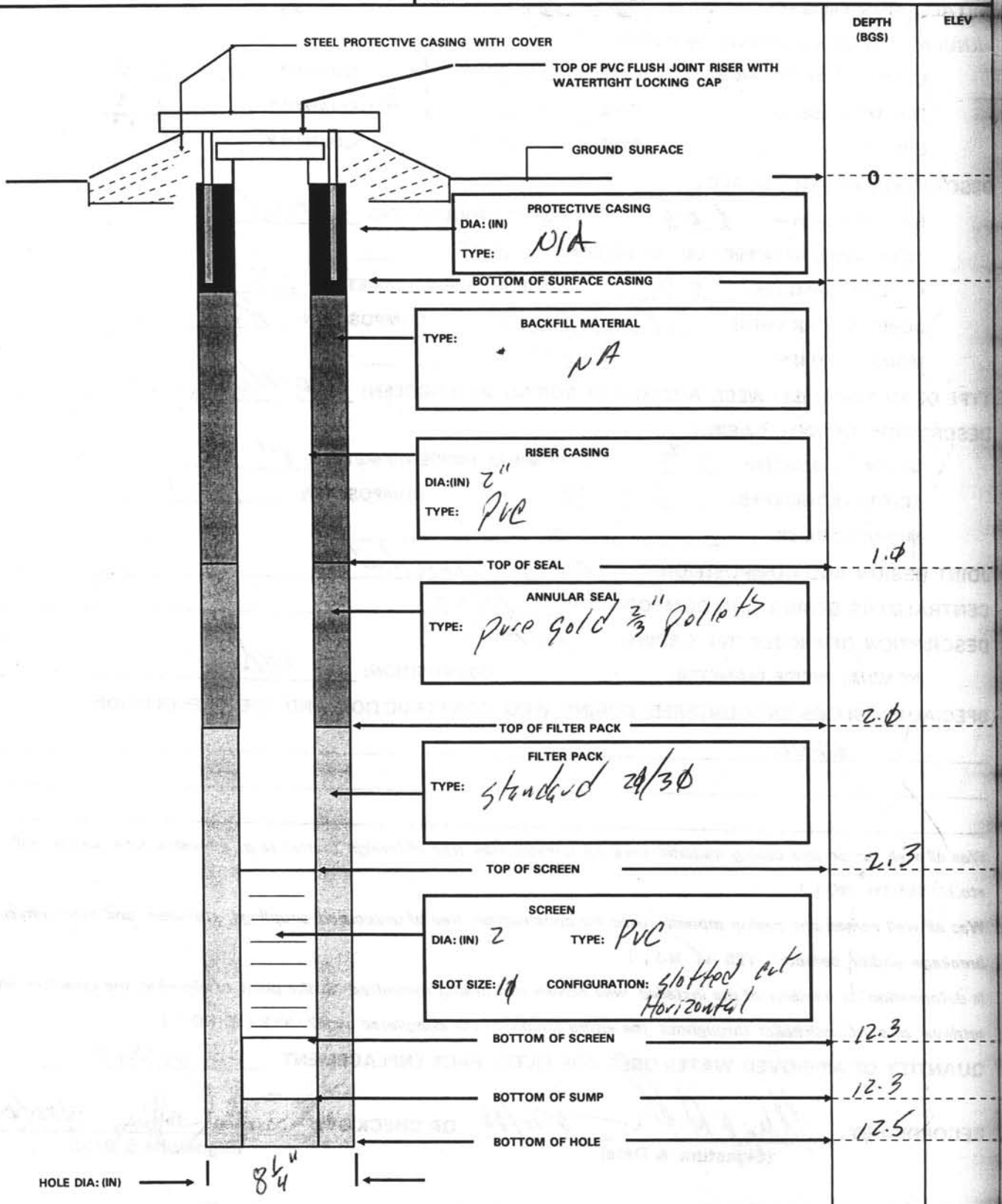
WELL NUMBER: AT-MW-05

BEGIN: 05/11/06 **END:** 05/11/06

COORDINATES: N:
E:

DATUM/UNITS:

REFERENCE POINT: Ground surface **ELEVATION:** **DATUM/UNITS:**



APPENDIX C

ANALYTICAL DATA AND CHAIN-OF-CUSTODY FORMS

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STATE OF GEORGIA
ENVIRONMENTAL LABORATORY ACCREDITATION

	Name of Laboratory:	**General Engineering Laboratories, Inc.**
	Address:	P.O. Box 30712 2040 Savage Road Charleston, SC 29407
	Contact:	Bob Pullano
	Telephone number:	(843) 556-8171
	Fax number:	(843) 766-1178
#1	Accrediting Authority:	**State of South Carolina**
	Accreditation Number:	SC-10120001
	Effective Date:	Extension granted while recertification in process; January 27, 2003
	Expiration Date:	March 26, 2007
	Accreditation Scope:	SDWA, CWA, RCRA, CERCLA
#2	Accrediting Authority:	**State of Florida**
	Accreditation Number:	E-87156
	Effective Date:	July 1, 2001 (initial and reaccredited on July 1 each year thereafter)
	Expiration Date:	June 30, 2007
	Accreditation Scope:	SDWA, CWA, RCRA, CERCLA

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ANALYTICAL DATA AND CHAIN-OF-CUSTODY FORMS FOR SURFACE AND SUBSURFACE SOIL MAY 2006

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Station: AT-MW-01
Sample ID: AT0111 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	1	MG/KG	B	J		0.575	1
	Barium	6	MG/KG		=		0.0345	1
	Cadmium	0.063	MG/KG	B	J		0.0345	1
	Chromium	3.5	MG/KG	N	J	I02	0.115	1
	Lead	7.3	MG/KG		=		0.23	1
SW846 7471A	Mercury	24	UG/KG		=		2.38	1
SW846 6010B	Selenium	0.69	MG/KG	U	U		0.69	1
	Silver	0.115	MG/KG	U	U		0.115	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	402	UG/KG	U	U		402	1
	1,2-Dichlorobenzene	402	UG/KG	U	U		402	1
	1,3-Dichlorobenzene	402	UG/KG	U	U		402	1
	1,4-Dichlorobenzene	402	UG/KG	U	U		402	1
	2,4,5-Trichlorophenol	402	UG/KG	U	U		402	1
	2,4,6-Trichlorophenol	402	UG/KG	U	U		402	1
	2,4-Dichlorophenol	402	UG/KG	U	U		402	1
	2,4-Dimethylphenol	402	UG/KG	U	U		402	1
	2,4-Dinitrophenol	805	UG/KG	U	U		805	1
	2,4-Dinitrotoluene	402	UG/KG	U	U		402	1
	2,6-Dinitrotoluene	402	UG/KG	U	U		402	1
	2-Chloronaphthalene	40.2	UG/KG	U	U		40.2	1
	2-Chlorophenol	402	UG/KG	U	U		402	1
	2-Methyl-4,6-dinitrophenol	402	UG/KG	U	U		402	1
	2-Methylnaphthalene	40.2	UG/KG	U	U		40.2	1
	2-Methylphenol	402	UG/KG	U	U		402	1
	2-Nitrobenzenamine	402	UG/KG	U	U		402	1
	2-Nitrophenol	402	UG/KG	U	U		402	1
	3,3'-Dichlorobenzidine	402	UG/KG	U	U		402	1
	3-Nitrobenzenamine	402	UG/KG	U	U		402	1
	4-Bromophenyl phenyl ether	402	UG/KG	U	U		402	1
	4-Chloro-3-methylphenol	402	UG/KG	U	U		402	1
	4-Chlorobenzenamine	402	UG/KG	U	U		402	1
	4-Chlorophenyl phenyl ether	402	UG/KG	U	U		402	1
	4-Nitrobenzenamine	402	UG/KG	U	U		402	1
	4-Nitrophenol	402	UG/KG	U	U		402	1
	Acenaphthene	40.2	UG/KG	U	U		40.2	1
	Acenaphthylene	40.2	UG/KG	U	U		40.2	1
	Anthracene	40.2	UG/KG	U	U		40.2	1
	Benz(a)anthracene	40.2	UG/KG	U	U		40.2	1
	Benzenemethanol	402	UG/KG	U	U		402	1
	Benzo(a)pyrene	40.2	UG/KG	U	U		40.2	1
	Benzo(b)fluoranthene	40.2	UG/KG	U	U		40.2	1
	Benzo(ghi)perylene	40.2	UG/KG	U	U		40.2	1
	Benzo(k)fluoranthene	40.2	UG/KG	U	U		40.2	1
	Benzoic acid	805	UG/KG	U	U		805	1
	Bis(2-chloroethoxy)methane	402	UG/KG	U	U		402	1
	Bis(2-chloroethyl) ether	402	UG/KG	U	U		402	1
	Bis(2-chloroisopropyl) ether	402	UG/KG	U	U		402	1
	Bis(2-ethylhexyl)phthalate	201	UG/KG	U	U		201	1
	Butyl benzyl phthalate	402	UG/KG	U	U		402	1
	Carbazole	402	UG/KG	U	U		402	1
	Chrysene	40.2	UG/KG	U	U		40.2	1
	Di-n-butyl phthalate	402	UG/KG	U	U		402	1
	Di-n-octylphthalate	402	UG/KG	U	U		402	1
	Dibenz(a,h)anthracene	40.2	UG/KG	U	U		40.2	1

Station: AT-MW-01
Sample ID: AT0111 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Dibenzofuran	402	UG/KG	U	U		402	1
	Diethyl phthalate	402	UG/KG	U	U		402	1
	Dimethyl phthalate	402	UG/KG	U	U		402	1
	Diphenylamine	402	UG/KG	U	U		402	1
	Fluoranthene	40.2	UG/KG	U	U		40.2	1
	Fluorene	40.2	UG/KG	U	U		40.2	1
	Hexachlorobenzene	402	UG/KG	U	U		402	1
	Hexachlorobutadiene	402	UG/KG	U	U		402	1
	Hexachlorocyclopentadiene	402	UG/KG	U	U		402	1
	Hexachloroethane	402	UG/KG	U	U		402	1
	Indeno(1,2,3-cd)pyrene	40.2	UG/KG	U	U		40.2	1
	Isophorone	402	UG/KG	U	U		402	1
	m+p Methylphenol	402	UG/KG	U	U		402	1
	N-Nitroso-di-n-propylamine	402	UG/KG	U	U		402	1
	Naphthalene	40.2	UG/KG	U	U		40.2	1
	Nitrobenzene	402	UG/KG	U	U		402	1
	Pentachlorophenol	402	UG/KG	U	U		402	1
	Phenanthrene	40.2	UG/KG	U	U		40.2	1
	Phenol	402	UG/KG	U	U		402	1
	Pyrene	40.2	UG/KG	U	U		40.2	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.21	UG/KG	U	U		1.21	1
	1,1,2,2-Tetrachloroethane	1.21	UG/KG	U	U		1.21	1
	1,1,2-Trichloroethane	1.21	UG/KG	U	U		1.21	1
	1,1-Dichloroethane	1.21	UG/KG	U	U		1.21	1
	1,1-Dichloroethene	1.21	UG/KG	U	U		1.21	1
	1,2-Dibromoethane	1.21	UG/KG	U	U		1.21	1
	1,2-Dichloroethane	1.21	UG/KG	U	U		1.21	1
	1,2-Dichloroethene	1.21	UG/KG	U	U		1.21	1
	1,2-Dichloropropane	1.21	UG/KG	U	U		1.21	1
	2-Butanone	6.04	UG/KG	U	U		6.04	1
	2-Hexanone	6.04	UG/KG	U	U		6.04	1
	4-Methyl-2-pentanone	6.04	UG/KG	U	U		6.04	1
	Acetone	13	UG/KG		=		6.04	1
	Benzene	1.21	UG/KG	U	U		1.21	1
	Bromochloromethane	1.21	UG/KG	U	U		1.21	1
	Bromodichloromethane	1.21	UG/KG	U	U		1.21	1
	Bromoform	1.21	UG/KG	U	U		1.21	1
	Bromomethane	1.21	UG/KG	U	U		1.21	1
	Carbon disulfide	7.1	UG/KG		=		6.04	1
	Carbon tetrachloride	1.21	UG/KG	U	U		1.21	1
	Chlorobenzene	1.21	UG/KG	U	U		1.21	1
	Chloroethane	1.21	UG/KG	U	U		1.21	1
	Chloroform	1.21	UG/KG	U	U		1.21	1
	Chloromethane	1.21	UG/KG	U	U		1.21	1
	cis-1,3-Dichloropropene	1.21	UG/KG	U	U		1.21	1
	Dibromochloromethane	1.21	UG/KG	U	U		1.21	1
	Ethylbenzene	1.21	UG/KG	U	U		1.21	1
	Methylene chloride	6.04	UG/KG	U	U		6.04	1
	Styrene	0.298	UG/KG	J	J		1.21	1
	tert-Butyl methyl ether	1.21	UG/KG	U	U		1.21	1
	Tetrachloroethene	1.21	UG/KG	U	U		1.21	1
	Toluene	4.48	UG/KG		=		1.21	1
	trans-1,3-Dichloropropene	1.21	UG/KG	U	U		1.21	1
	Trichloroethene	1.21	UG/KG	U	U		1.21	1

Station: AT-MW-01
Sample ID: AT0111 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	Vinyl chloride	1.21	UG/KG	U	U		1.21	1
	Xylenes, Total	1.21	UG/KG	U	U		1.21	1

Station: AT-MW-02
Sample ID: AT0211 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	1.1	MG/KG	B	J		0.534	1
	Barium	19.7	MG/KG		=		0.032	1
	Cadmium	0.14	MG/KG	B	J		0.032	1
	Chromium	1.5	MG/KG		=		0.107	1
	Lead	16.7	MG/KG		=		0.214	1
SW846 7471A	Mercury	21.9	UG/KG		=		2.2	1
SW846 6010B	Selenium	0.641	MG/KG	U	U		0.641	1
	Silver	0.107	MG/KG	U	U		0.107	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	364	UG/KG	U	U		364	1
	1,2-Dichlorobenzene	364	UG/KG	U	U		364	1
	1,3-Dichlorobenzene	364	UG/KG	U	U		364	1
	1,4-Dichlorobenzene	364	UG/KG	U	U		364	1
	2,4,5-Trichlorophenol	364	UG/KG	U	U		364	1
	2,4,6-Trichlorophenol	364	UG/KG	U	U		364	1
	2,4-Dichlorophenol	364	UG/KG	U	U		364	1
	2,4-Dimethylphenol	364	UG/KG	U	U		364	1
	2,4-Dinitrophenol	728	UG/KG	U	U		728	1
	2,4-Dinitrotoluene	364	UG/KG	U	U		364	1
	2,6-Dinitrotoluene	364	UG/KG	U	U		364	1
	2-Chloronaphthalene	36.4	UG/KG	U	U		36.4	1
	2-Chlorophenol	364	UG/KG	U	U		364	1
	2-Methyl-4,6-dinitrophenol	364	UG/KG	U	U		364	1
	2-Methylnaphthalene	36.4	UG/KG	U	U		36.4	1
	2-Methylphenol	364	UG/KG	U	U		364	1
	2-Nitrobenzenamine	364	UG/KG	U	U		364	1
	2-Nitrophenol	364	UG/KG	U	U		364	1
	3,3'-Dichlorobenzidine	364	UG/KG	U	U		364	1
	3-Nitrobenzenamine	364	UG/KG	U	U		364	1
	4-Bromophenyl phenyl ether	364	UG/KG	U	U		364	1
	4-Chloro-3-methylphenol	364	UG/KG	U	U		364	1
	4-Chlorobenzenamine	364	UG/KG	U	U		364	1
	4-Chlorophenyl phenyl ether	364	UG/KG	U	U		364	1
	4-Nitrobenzenamine	364	UG/KG	U	U		364	1
	4-Nitrophenol	364	UG/KG	U	U		364	1
	Acenaphthene	36.4	UG/KG	U	U		36.4	1
	Acenaphthylene	36.4	UG/KG	U	U		36.4	1
	Anthracene	36.4	UG/KG	U	U		36.4	1
	Benz(a)anthracene	36.4	UG/KG	U	U		36.4	1
	Benzenemethanol	364	UG/KG	U	U		364	1
	Benzo(a)pyrene	36.4	UG/KG	U	U		36.4	1
	Benzo(b)fluoranthene	47.4	UG/KG		=		36.4	1
	Benzo(ghi)perylene	36.4	UG/KG	U	U		36.4	1
	Benzo(k)fluoranthene	36.4	UG/KG	U	U		36.4	1

Station: AT-MW-02
Sample ID: AT0211 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Benzoic acid	728	UG/KG	U	U		728	1
	Bis(2-chloroethoxy)methane	364	UG/KG	U	U		364	1
	Bis(2-chloroethyl) ether	364	UG/KG	U	U		364	1
	Bis(2-chloroisopropyl) ether	364	UG/KG	U	U		364	1
	Bis(2-ethylhexyl)phthalate	182	UG/KG	U	U		182	1
	Butyl benzyl phthalate	364	UG/KG	U	U		364	1
	Carbazole	364	UG/KG	U	U		364	1
	Chrysene	19.1	UG/KG	J	J		36.4	1
	Di-n-butyl phthalate	43.2	UG/KG	J	J		364	1
	Di-n-octylphthalate	364	UG/KG	U	U		364	1
	Dibenz(a,h)anthracene	36.4	UG/KG	U	U		36.4	1
	Dibenzofuran	364	UG/KG	U	U		364	1
	Diethyl phthalate	364	UG/KG	U	U		364	1
	Dimethyl phthalate	364	UG/KG	U	U		364	1
	Diphenylamine	364	UG/KG	U	U		364	1
	Fluoranthene	13.9	UG/KG	J	J		36.4	1
	Fluorene	36.4	UG/KG	U	U		36.4	1
	Hexachlorobenzene	364	UG/KG	U	U		364	1
	Hexachlorobutadiene	364	UG/KG	U	U		364	1
	Hexachlorocyclopentadiene	364	UG/KG	U	U		364	1
	Hexachloroethane	364	UG/KG	U	U		364	1
	Indeno(1,2,3-cd)pyrene	36.4	UG/KG	U	U		36.4	1
	Isophorone	364	UG/KG	U	U		364	1
	m+p Methylphenol	364	UG/KG	U	U		364	1
	N-Nitroso-di-n-propylamine	364	UG/KG	U	U		364	1
	Naphthalene	36.4	UG/KG	U	U		36.4	1
	Nitrobenzene	364	UG/KG	U	U		364	1
	Pentachlorophenol	364	UG/KG	U	U		364	1
	Phenanthrene	36.4	UG/KG	U	U		36.4	1
	Phenol	364	UG/KG	U	U		364	1
	Pyrene	13.7	UG/KG	J	J		36.4	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.6	UG/KG	U	U		1.6	1
	1,1,2,2-Tetrachloroethane	1.6	UG/KG	U	UJ	K01	1.6	1
	1,1,2-Trichloroethane	1.6	UG/KG	U	U		1.6	1
	1,1-Dichloroethane	1.6	UG/KG	U	U		1.6	1
	1,1-Dichloroethene	1.6	UG/KG	U	U		1.6	1
	1,2-Dibromoethane	1.6	UG/KG	U	U		1.6	1
	1,2-Dichloroethane	1.6	UG/KG	U	U		1.6	1
	1,2-Dichloroethene	1.6	UG/KG	U	U		1.6	1
	1,2-Dichloropropane	1.6	UG/KG	U	U		1.6	1
	2-Butanone	8.02	UG/KG	U	U		8.02	1
	2-Hexanone	8.02	UG/KG	U	U		8.02	1
	4-Methyl-2-pentanone	8.02	UG/KG	U	U		8.02	1
	Acetone	20.2	UG/KG		J	G01	8.02	1
	Benzene	1.6	UG/KG	U	U		1.6	1
	Bromochloromethane	1.6	UG/KG	U	U		1.6	1
	Bromodichloromethane	1.6	UG/KG	U	U		1.6	1
	Bromoform	1.6	UG/KG	U	U		1.6	1
	Bromomethane	1.6	UG/KG	U	U		1.6	1
	Carbon disulfide	21.1	UG/KG		J	G01	8.02	1
	Carbon tetrachloride	1.6	UG/KG	U	U		1.6	1
	Chlorobenzene	1.6	UG/KG	U	U		1.6	1
	Chloroethane	1.6	UG/KG	U	U		1.6	1
	Chloroform	0.439	UG/KG	J	J	G01	1.6	1

Station: AT-MW-02
Sample ID: AT0211 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	Chloromethane	1.6	UG/KG	U	U		1.6	1
	cis-1,3-Dichloropropene	1.6	UG/KG	U	U		1.6	1
	Dibromochloromethane	1.6	UG/KG	U	U		1.6	1
	Ethylbenzene	1.6	UG/KG	U	U		1.6	1
	Methylene chloride	8.02	UG/KG	U	U		8.02	1
	Styrene	0.347	UG/KG	J	J	G01	1.6	1
	tert-Butyl methyl ether	1.6	UG/KG	U	U		1.6	1
	Tetrachloroethene	1.6	UG/KG	U	U		1.6	1
	Toluene	1.6	UG/KG	U	U		1.6	1
	trans-1,3-Dichloropropene	1.6	UG/KG	U	U		1.6	1
	Trichloroethene	1.6	UG/KG	U	U		1.6	1
	Vinyl chloride	1.6	UG/KG	U	U		1.6	1
	Xylenes, Total	1.6	UG/KG	U	U		1.6	1

Station: AT-MW-03
Sample ID: AT0311 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.572	MG/KG	U	U		0.572	1
	Barium	2.9	MG/KG		=		0.0343	1
	Cadmium	0.0343	MG/KG	U	U		0.0343	1
	Chromium	3.5	MG/KG		=		0.114	1
	Lead	4	MG/KG		=		0.229	1
SW846 7471A	Mercury	27	UG/KG		=		2.3	1
SW846 6010B	Selenium	0.686	MG/KG	U	U		0.686	1
	Silver	0.114	MG/KG	U	U		0.114	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	384	UG/KG	U	U		384	1
	1,2-Dichlorobenzene	384	UG/KG	U	U		384	1
	1,3-Dichlorobenzene	384	UG/KG	U	U		384	1
	1,4-Dichlorobenzene	384	UG/KG	U	U		384	1
	2,4,5-Trichlorophenol	384	UG/KG	U	U		384	1
	2,4,6-Trichlorophenol	384	UG/KG	U	U		384	1
	2,4-Dichlorophenol	384	UG/KG	U	U		384	1
	2,4-Dimethylphenol	384	UG/KG	U	U		384	1
	2,4-Dinitrophenol	767	UG/KG	U	U		767	1
	2,4-Dinitrotoluene	384	UG/KG	U	U		384	1
	2,6-Dinitrotoluene	384	UG/KG	U	U		384	1
	2-Chloronaphthalene	38.4	UG/KG	U	U		38.4	1
	2-Chlorophenol	384	UG/KG	U	U		384	1
	2-Methyl-4,6-dinitrophenol	384	UG/KG	U	U		384	1
	2-Methylnaphthalene	38.4	UG/KG	U	U		38.4	1
	2-Methylphenol	384	UG/KG	U	U		384	1
	2-Nitrobenzenamine	384	UG/KG	U	U		384	1
	2-Nitrophenol	384	UG/KG	U	U		384	1
	3,3'-Dichlorobenzidine	384	UG/KG	U	U		384	1
	3-Nitrobenzenamine	384	UG/KG	U	U		384	1
	4-Bromophenyl phenyl ether	384	UG/KG	U	U		384	1
	4-Chloro-3-methylphenol	384	UG/KG	U	U		384	1
	4-Chlorobenzenamine	384	UG/KG	U	U		384	1
	4-Chlorophenyl phenyl ether	384	UG/KG	U	U		384	1

Station: AT-MW-03
Sample ID: AT0311 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	4-Nitrobenzenamine	384	UG/KG	U	U		384	1
	4-Nitrophenol	384	UG/KG	U	U		384	1
	Acenaphthene	38.4	UG/KG	U	U		38.4	1
	Acenaphthylene	38.4	UG/KG	U	U		38.4	1
	Anthracene	38.4	UG/KG	U	U		38.4	1
	Benz(a)anthracene	38.4	UG/KG	U	U		38.4	1
	Benzenemethanol	384	UG/KG	U	U		384	1
	Benzo(a)pyrene	38.4	UG/KG	U	U		38.4	1
	Benzo(b)fluoranthene	38.4	UG/KG	U	U		38.4	1
	Benzo(ghi)perylene	38.4	UG/KG	U	U		38.4	1
	Benzo(k)fluoranthene	38.4	UG/KG	U	U		38.4	1
	Benzoic acid	767	UG/KG	U	U		767	1
	Bis(2-chloroethoxy)methane	384	UG/KG	U	U		384	1
	Bis(2-chloroethyl) ether	384	UG/KG	U	U		384	1
	Bis(2-chloroisopropyl) ether	384	UG/KG	U	U		384	1
	Bis(2-ethylhexyl)phthalate	192	UG/KG	U	U		192	1
	Butyl benzyl phthalate	384	UG/KG	U	U		384	1
	Carbazole	384	UG/KG	U	U		384	1
	Chrysene	38.4	UG/KG	U	U		38.4	1
	Di-n-butyl phthalate	384	UG/KG	U	U		384	1
	Di-n-octylphthalate	384	UG/KG	U	U		384	1
	Dibenz(a,h)anthracene	38.4	UG/KG	U	U		38.4	1
	Dibenzofuran	384	UG/KG	U	U		384	1
	Diethyl phthalate	384	UG/KG	U	U		384	1
	Dimethyl phthalate	384	UG/KG	U	U		384	1
	Diphenylamine	384	UG/KG	U	U		384	1
	Fluoranthene	38.4	UG/KG	U	U		38.4	1
	Fluorene	38.4	UG/KG	U	U		38.4	1
	Hexachlorobenzene	384	UG/KG	U	U		384	1
	Hexachlorobutadiene	384	UG/KG	U	U		384	1
	Hexachlorocyclopentadiene	384	UG/KG	U	U		384	1
	Hexachloroethane	384	UG/KG	U	U		384	1
	Indeno(1,2,3-cd)pyrene	38.4	UG/KG	U	U		38.4	1
	Isophorone	384	UG/KG	U	U		384	1
	m+p Methylphenol	384	UG/KG	U	U		384	1
	N-Nitroso-di-n-propylamine	384	UG/KG	U	U		384	1
	Naphthalene	38.4	UG/KG	U	U		38.4	1
	Nitrobenzene	384	UG/KG	U	U		384	1
	Pentachlorophenol	384	UG/KG	U	U		384	1
	Phenanthrene	38.4	UG/KG	U	U		38.4	1
	Phenol	384	UG/KG	U	U		384	1
	Pyrene	38.4	UG/KG	U	U		38.4	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.15	UG/KG	U	U		1.15	1
	1,1,2,2-Tetrachloroethane	1.15	UG/KG	U	U		1.15	1
	1,1,2-Trichloroethane	1.15	UG/KG	U	U		1.15	1
	1,1-Dichloroethane	1.15	UG/KG	U	U		1.15	1
	1,1-Dichloroethene	1.15	UG/KG	U	U		1.15	1
	1,2-Dibromoethane	1.15	UG/KG	U	U		1.15	1
	1,2-Dichloroethane	1.15	UG/KG	U	U		1.15	1
	1,2-Dichloroethene	1.15	UG/KG	U	U		1.15	1
	1,2-Dichloropropane	1.15	UG/KG	U	U		1.15	1
	2-Butanone	5.75	UG/KG	U	U		5.75	1
	2-Hexanone	5.75	UG/KG	U	U		5.75	1
	4-Methyl-2-pentanone	5.75	UG/KG	U	U		5.75	1

Station: AT-MW-03
Sample ID: AT0311 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	Acetone	5.74	UG/KG	J	J		5.75	1
	Benzene	1.15	UG/KG	U	U		1.15	1
	Bromochloromethane	1.15	UG/KG	U	U		1.15	1
	Bromodichloromethane	1.15	UG/KG	U	U		1.15	1
	Bromoform	1.15	UG/KG	U	U		1.15	1
	Bromomethane	1.15	UG/KG	U	U		1.15	1
	Carbon disulfide	1.91	UG/KG	J	J		5.75	1
	Carbon tetrachloride	1.15	UG/KG	U	U		1.15	1
	Chlorobenzene	1.15	UG/KG	U	U		1.15	1
	Chloroethane	1.15	UG/KG	U	U		1.15	1
	Chloroform	1.15	UG/KG	U	U		1.15	1
	Chloromethane	1.15	UG/KG	U	U		1.15	1
	cis-1,3-Dichloropropene	1.15	UG/KG	U	U		1.15	1
	Dibromochloromethane	1.15	UG/KG	U	U		1.15	1
	Ethylbenzene	1.15	UG/KG	U	U		1.15	1
	Methylene chloride	5.75	UG/KG	U	U		5.75	1
	Styrene	1.15	UG/KG	U	U		1.15	1
	tert-Butyl methyl ether	1.15	UG/KG	U	U		1.15	1
	Tetrachloroethene	1.15	UG/KG	U	U		1.15	1
	Toluene	93.5	UG/KG		=		1.15	1
	trans-1,3-Dichloropropene	1.15	UG/KG	U	U		1.15	1
	Trichloroethene	1.15	UG/KG	U	U		1.15	1
	Vinyl chloride	1.15	UG/KG	U	U		1.15	1
	Xylenes, Total	1.15	UG/KG	U	U		1.15	1

Station: AT-MW-03
Sample ID: AT0313 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.574	MG/KG	U	U		0.574	1
	Barium	3	MG/KG		=		0.0344	1
	Cadmium	0.043	MG/KG	B	J		0.0344	1
	Chromium	3.4	MG/KG		=		0.115	1
	Lead	4.4	MG/KG		=		0.23	1
SW846 7471A	Mercury	43	UG/KG		=		2.09	1
SW846 6010B	Selenium	0.689	MG/KG	U	U		0.689	1
	Silver	0.115	MG/KG	U	U		0.115	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	384	UG/KG	U	U		384	1
	1,2-Dichlorobenzene	384	UG/KG	U	U		384	1
	1,3-Dichlorobenzene	384	UG/KG	U	U		384	1
	1,4-Dichlorobenzene	384	UG/KG	U	U		384	1
	2,4,5-Trichlorophenol	384	UG/KG	U	U		384	1
	2,4,6-Trichlorophenol	384	UG/KG	U	U		384	1
	2,4-Dichlorophenol	384	UG/KG	U	U		384	1
	2,4-Dimethylphenol	384	UG/KG	U	U		384	1
	2,4-Dinitrophenol	768	UG/KG	U	U		768	1
	2,4-Dinitrotoluene	384	UG/KG	U	U		384	1
	2,6-Dinitrotoluene	384	UG/KG	U	U		384	1
	2-Chloronaphthalene	38.4	UG/KG	U	U		38.4	1
	2-Chlorophenol	384	UG/KG	U	U		384	1
	2-Methyl-4,6-dinitrophenol	384	UG/KG	U	U		384	1
	2-Methylnaphthalene	38.4	UG/KG	U	U		38.4	1

Station: AT-MW-03
Sample ID: AT0313 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	2-Methylphenol	384	UG/KG	U	U		384	1
	2-Nitrobenzenamine	384	UG/KG	U	U		384	1
	2-Nitrophenol	384	UG/KG	U	U		384	1
	3,3'-Dichlorobenzidine	384	UG/KG	U	U		384	1
	3-Nitrobenzenamine	384	UG/KG	U	U		384	1
	4-Bromophenyl phenyl ether	384	UG/KG	U	U		384	1
	4-Chloro-3-methylphenol	384	UG/KG	U	U		384	1
	4-Chlorobenzenamine	384	UG/KG	U	U		384	1
	4-Chlorophenyl phenyl ether	384	UG/KG	U	U		384	1
	4-Nitrobenzenamine	384	UG/KG	U	U		384	1
	4-Nitrophenol	384	UG/KG	U	U		384	1
	Acenaphthene	38.4	UG/KG	U	U		38.4	1
	Acenaphthylene	38.4	UG/KG	U	U		38.4	1
	Anthracene	38.4	UG/KG	U	U		38.4	1
	Benz(a)anthracene	38.4	UG/KG	U	U		38.4	1
	Benzenemethanol	384	UG/KG	U	U		384	1
	Benzo(a)pyrene	38.4	UG/KG	U	U		38.4	1
	Benzo(b)fluoranthene	38.4	UG/KG	U	U		38.4	1
	Benzo(ghi)perylene	38.4	UG/KG	U	U		38.4	1
	Benzo(k)fluoranthene	38.4	UG/KG	U	U		38.4	1
	Benzoic acid	768	UG/KG	U	U		768	1
	Bis(2-chloroethoxy)methane	384	UG/KG	U	U		384	1
	Bis(2-chloroethyl) ether	384	UG/KG	U	U		384	1
	Bis(2-chloroisopropyl) ether	384	UG/KG	U	U		384	1
	Bis(2-ethylhexyl)phthalate	192	UG/KG	U	U		192	1
	Butyl benzyl phthalate	384	UG/KG	U	U		384	1
	Carbazole	384	UG/KG	U	U		384	1
	Chrysene	38.4	UG/KG	U	U		38.4	1
	Di-n-butyl phthalate	384	UG/KG	U	U		384	1
	Di-n-octylphthalate	384	UG/KG	U	U		384	1
	Dibenz(a,h)anthracene	38.4	UG/KG	U	U		38.4	1
	Dibenzofuran	384	UG/KG	U	U		384	1
	Diethyl phthalate	384	UG/KG	U	U		384	1
	Dimethyl phthalate	384	UG/KG	U	U		384	1
	Diphenylamine	384	UG/KG	U	U		384	1
	Fluoranthene	38.4	UG/KG	U	U		38.4	1
	Fluorene	38.4	UG/KG	U	U		38.4	1
	Hexachlorobenzene	384	UG/KG	U	U		384	1
	Hexachlorobutadiene	384	UG/KG	U	U		384	1
	Hexachlorocyclopentadiene	384	UG/KG	U	U		384	1
	Hexachloroethane	384	UG/KG	U	U		384	1
	Indeno(1,2,3-cd)pyrene	38.4	UG/KG	U	U		38.4	1
	Isophorone	384	UG/KG	U	U		384	1
	m+p Methylphenol	384	UG/KG	U	U		384	1
	N-Nitroso-di-n-propylamine	384	UG/KG	U	U		384	1
	Naphthalene	38.4	UG/KG	U	U		38.4	1
	Nitrobenzene	384	UG/KG	U	U		384	1
	Pentachlorophenol	384	UG/KG	U	U		384	1
	Phenanthrene	38.4	UG/KG	U	U		38.4	1
	Phenol	384	UG/KG	U	U		384	1
	Pyrene	38.4	UG/KG	U	U		38.4	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.34	UG/KG	U	U		1.34	1
	1,1,2,2-Tetrachloroethane	1.34	UG/KG	U	U		1.34	1
	1,1,2-Trichloroethane	1.34	UG/KG	U	U		1.34	1

Station: AT-MW-03
Sample ID: AT0313 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1-Dichloroethane	1.34	UG/KG	U	U		1.34	1
	1,1-Dichloroethene	1.34	UG/KG	U	U		1.34	1
	1,2-Dibromoethane	1.34	UG/KG	U	U		1.34	1
	1,2-Dichloroethane	1.34	UG/KG	U	U		1.34	1
	1,2-Dichloroethene	1.34	UG/KG	U	U		1.34	1
	1,2-Dichloropropane	1.34	UG/KG	U	U		1.34	1
	2-Butanone	6.7	UG/KG	U	U		6.7	1
	2-Hexanone	6.7	UG/KG	U	U		6.7	1
	4-Methyl-2-pentanone	6.7	UG/KG	U	U		6.7	1
	Acetone	25.5	UG/KG		=		6.7	1
	Benzene	1.34	UG/KG	U	U		1.34	1
	Bromochloromethane	1.34	UG/KG	U	U		1.34	1
	Bromodichloromethane	1.34	UG/KG	U	U		1.34	1
	Bromoform	1.34	UG/KG	U	U		1.34	1
	Bromomethane	1.34	UG/KG	U	U		1.34	1
	Carbon disulfide	6.7	UG/KG	U	U		6.7	1
	Carbon tetrachloride	1.34	UG/KG	U	U		1.34	1
	Chlorobenzene	1.34	UG/KG	U	U		1.34	1
	Chloroethane	1.34	UG/KG	U	U		1.34	1
	Chloroform	1.34	UG/KG	U	U		1.34	1
	Chloromethane	1.34	UG/KG	U	U		1.34	1
	cis-1,3-Dichloropropene	1.34	UG/KG	U	U		1.34	1
	Dibromochloromethane	1.34	UG/KG	U	U		1.34	1
	Ethylbenzene	1.34	UG/KG	U	U		1.34	1
	Methylene chloride	6.7	UG/KG	U	U		6.7	1
	Styrene	1.34	UG/KG	U	U		1.34	1
	tert-Butyl methyl ether	1.34	UG/KG	U	U		1.34	1
	Tetrachloroethene	1.34	UG/KG	U	U		1.34	1
	Toluene	2.51	UG/KG		=		1.34	1
	trans-1,3-Dichloropropene	1.34	UG/KG	U	U		1.34	1
	Trichloroethene	1.34	UG/KG	U	U		1.34	1
	Vinyl chloride	1.34	UG/KG	U	U		1.34	1
	Xylenes, Total	1.34	UG/KG	U	U		1.34	1

Station: AT-MW-04
Sample ID: AT0411 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.85	MG/KG	B	J		0.508	1
	Barium	6.5	MG/KG		=		0.0305	1
	Cadmium	0.075	MG/KG	B	J		0.0305	1
	Chromium	3.8	MG/KG		=		0.102	1
	Lead	17.8	MG/KG		=		0.203	1
SW846 7471A	Mercury	23.7	UG/KG		=		2.06	1
SW846 6010B	Selenium	0.609	MG/KG	U	U		0.609	1
	Silver	0.102	MG/KG	U	U		0.102	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	346	UG/KG	U	U		346	1
	1,2-Dichlorobenzene	346	UG/KG	U	U		346	1
	1,3-Dichlorobenzene	346	UG/KG	U	U		346	1
	1,4-Dichlorobenzene	346	UG/KG	U	U		346	1

Station: AT-MW-04
Sample ID: AT0411 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	2,4,5-Trichlorophenol	346	UG/KG	U	U		346	1
	2,4,6-Trichlorophenol	346	UG/KG	U	U		346	1
	2,4-Dichlorophenol	346	UG/KG	U	U		346	1
	2,4-Dimethylphenol	346	UG/KG	U	U		346	1
	2,4-Dinitrophenol	692	UG/KG	U	U		692	1
	2,4-Dinitrotoluene	346	UG/KG	U	U		346	1
	2,6-Dinitrotoluene	346	UG/KG	U	U		346	1
	2-Chloronaphthalene	34.6	UG/KG	U	U		34.6	1
	2-Chlorophenol	346	UG/KG	U	U		346	1
	2-Methyl-4,6-dinitrophenol	346	UG/KG	U	U		346	1
	2-Methylnaphthalene	34.6	UG/KG	U	U		34.6	1
	2-Methylphenol	346	UG/KG	U	U		346	1
	2-Nitrobenzenamine	346	UG/KG	U	U		346	1
	2-Nitrophenol	346	UG/KG	U	U		346	1
	3,3'-Dichlorobenzidine	346	UG/KG	U	U		346	1
	3-Nitrobenzenamine	346	UG/KG	U	U		346	1
	4-Bromophenyl phenyl ether	346	UG/KG	U	U		346	1
	4-Chloro-3-methylphenol	346	UG/KG	U	U		346	1
	4-Chlorobenzenamine	346	UG/KG	U	U		346	1
	4-Chlorophenyl phenyl ether	346	UG/KG	U	U		346	1
	4-Nitrobenzenamine	346	UG/KG	U	U		346	1
	4-Nitrophenol	346	UG/KG	U	U		346	1
	Acenaphthene	34.6	UG/KG	U	U		34.6	1
	Acenaphthylene	34.6	UG/KG	U	U		34.6	1
	Anthracene	34.6	UG/KG	U	U		34.6	1
	Benz(a)anthracene	34.6	UG/KG	U	U		34.6	1
	Benzenemethanol	346	UG/KG	U	U		346	1
	Benzo(a)pyrene	34.6	UG/KG	U	U		34.6	1
	Benzo(b)fluoranthene	27.5	UG/KG	J	J		34.6	1
	Benzo(ghi)perylene	34.6	UG/KG	U	U		34.6	1
	Benzo(k)fluoranthene	15.3	UG/KG	J	J		34.6	1
	Benzoic acid	692	UG/KG	U	U		692	1
	Bis(2-chloroethoxy)methane	346	UG/KG	U	U		346	1
	Bis(2-chloroethyl) ether	346	UG/KG	U	U		346	1
	Bis(2-chloroisopropyl) ether	346	UG/KG	U	U		346	1
	Bis(2-ethylhexyl)phthalate	173	UG/KG	U	U		173	1
	Butyl benzyl phthalate	346	UG/KG	U	U		346	1
	Carbazole	346	UG/KG	U	U		346	1
	Chrysene	22.6	UG/KG	J	J		34.6	1
	Di-n-butyl phthalate	346	UG/KG	U	U		346	1
	Di-n-octylphthalate	346	UG/KG	U	U		346	1
	Dibenz(a,h)anthracene	34.6	UG/KG	U	U		34.6	1
	Dibenzofuran	346	UG/KG	U	U		346	1
	Diethyl phthalate	346	UG/KG	U	U		346	1
	Dimethyl phthalate	346	UG/KG	U	U		346	1
	Diphenylamine	346	UG/KG	U	U		346	1
	Fluoranthene	50.4	UG/KG		=		34.6	1
	Fluorene	34.6	UG/KG	U	U		34.6	1
	Hexachlorobenzene	346	UG/KG	U	U		346	1
	Hexachlorobutadiene	346	UG/KG	U	U		346	1
	Hexachlorocyclopentadiene	346	UG/KG	U	U		346	1
	Hexachloroethane	346	UG/KG	U	U		346	1
	Indeno(1,2,3-cd)pyrene	34.6	UG/KG	U	U		34.6	1
	Isophorone	346	UG/KG	U	U		346	1
	m+p Methylphenol	346	UG/KG	U	U		346	1
	N-Nitroso-di-n-propylamine	346	UG/KG	U	U		346	1

Station: AT-MW-04
Sample ID: AT0411 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Naphthalene	34.6	UG/KG	U	U		34.6	1
	Nitrobenzene	346	UG/KG	U	U		346	1
	Pentachlorophenol	346	UG/KG	U	U		346	1
	Phenanthrene	26.5	UG/KG	J	J		34.6	1
	Phenol	346	UG/KG	U	U		346	1
	Pyrene	35.7	UG/KG		=		34.6	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.18	UG/KG	U	U		1.18	1
	1,1,2,2-Tetrachloroethane	1.18	UG/KG	U	U		1.18	1
	1,1,2-Trichloroethane	1.18	UG/KG	U	U		1.18	1
	1,1-Dichloroethane	1.18	UG/KG	U	U		1.18	1
	1,1-Dichloroethene	1.18	UG/KG	U	U		1.18	1
	1,2-Dibromoethane	1.18	UG/KG	U	U		1.18	1
	1,2-Dichloroethane	1.18	UG/KG	U	U		1.18	1
	1,2-Dichloroethene	1.18	UG/KG	U	U		1.18	1
	1,2-Dichloropropane	1.18	UG/KG	U	U		1.18	1
	2-Butanone	5.89	UG/KG	U	U		5.89	1
	2-Hexanone	5.89	UG/KG	U	U		5.89	1
	4-Methyl-2-pentanone	5.89	UG/KG	U	U		5.89	1
	Acetone	11.7	UG/KG		=		5.89	1
	Benzene	1.18	UG/KG	U	U		1.18	1
	Bromochloromethane	1.18	UG/KG	U	U		1.18	1
	Bromodichloromethane	1.18	UG/KG	U	U		1.18	1
	Bromoform	1.18	UG/KG	U	U		1.18	1
	Bromomethane	1.18	UG/KG	U	U		1.18	1
	Carbon disulfide	4.77	UG/KG	J	J		5.89	1
	Carbon tetrachloride	1.18	UG/KG	U	U		1.18	1
	Chlorobenzene	1.18	UG/KG	U	U		1.18	1
	Chloroethane	1.18	UG/KG	U	U		1.18	1
	Chloroform	1.18	UG/KG	U	U		1.18	1
	Chloromethane	1.18	UG/KG	U	U		1.18	1
	cis-1,3-Dichloropropene	1.18	UG/KG	U	U		1.18	1
	Dibromochloromethane	1.18	UG/KG	U	U		1.18	1
	Ethylbenzene	1.18	UG/KG	U	U		1.18	1
	Methylene chloride	5.89	UG/KG	U	U		5.89	1
	Styrene	1.18	UG/KG	U	U		1.18	1
	tert-Butyl methyl ether	1.18	UG/KG	U	U		1.18	1
	Tetrachloroethene	1.18	UG/KG	U	U		1.18	1
	Toluene	1.18	UG/KG	U	U		1.18	1
	trans-1,3-Dichloropropene	1.18	UG/KG	U	U		1.18	1
	Trichloroethene	1.18	UG/KG	U	U		1.18	1
	Vinyl chloride	1.18	UG/KG	U	U		1.18	1
	Xylenes, Total	1.18	UG/KG	U	U		1.18	1

Station: AT-MW-05
Sample ID: AT0511 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.64	MG/KG	B	J		0.491	1
	Barium	5.9	MG/KG		=		0.0295	1
	Cadmium	0.13	MG/KG	B	J		0.0295	1

Station: AT-MW-05
Sample ID: AT0511 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Chromium	2.4	MG/KG	N	J	I02	0.0982	1
	Lead	17	MG/KG		=		0.196	1
SW846 7471A	Mercury	18.4	UG/KG		=		1.89	1
SW846 6010B	Selenium	0.589	MG/KG	U	U		0.589	1
	Silver	0.0982	MG/KG	U	U		0.0982	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	342	UG/KG	U	U		342	1
	1,2-Dichlorobenzene	342	UG/KG	U	U		342	1
	1,3-Dichlorobenzene	342	UG/KG	U	U		342	1
	1,4-Dichlorobenzene	342	UG/KG	U	U		342	1
	2,4,5-Trichlorophenol	342	UG/KG	U	U		342	1
	2,4,6-Trichlorophenol	342	UG/KG	U	U		342	1
	2,4-Dichlorophenol	342	UG/KG	U	U		342	1
	2,4-Dimethylphenol	342	UG/KG	U	U		342	1
	2,4-Dinitrophenol	684	UG/KG	U	U		684	1
	2,4-Dinitrotoluene	342	UG/KG	U	U		342	1
	2,6-Dinitrotoluene	342	UG/KG	U	U		342	1
	2-Chloronaphthalene	34.2	UG/KG	U	U		34.2	1
	2-Chlorophenol	342	UG/KG	U	U		342	1
	2-Methyl-4,6-dinitrophenol	342	UG/KG	U	U		342	1
	2-Methylnaphthalene	34.2	UG/KG	U	U		34.2	1
	2-Methylphenol	342	UG/KG	U	U		342	1
	2-Nitrobenzenamine	342	UG/KG	U	U		342	1
	2-Nitrophenol	342	UG/KG	U	U		342	1
	3,3'-Dichlorobenzidine	342	UG/KG	U	U		342	1
	3-Nitrobenzenamine	342	UG/KG	U	U		342	1
	4-Bromophenyl phenyl ether	342	UG/KG	U	U		342	1
	4-Chloro-3-methylphenol	342	UG/KG	U	U		342	1
	4-Chlorobenzenamine	342	UG/KG	U	U		342	1
	4-Chlorophenyl phenyl ether	342	UG/KG	U	U		342	1
	4-Nitrobenzenamine	342	UG/KG	U	U		342	1
	4-Nitrophenol	342	UG/KG	U	U		342	1
	Acenaphthene	34.2	UG/KG	U	U		34.2	1
	Acenaphthylene	34.2	UG/KG	U	U		34.2	1
	Anthracene	34.2	UG/KG	U	U		34.2	1
	Benz(a)anthracene	34.2	UG/KG	U	U		34.2	1
	Benzenemethanol	342	UG/KG	U	U		342	1
	Benzo(a)pyrene	34.2	UG/KG	U	U		34.2	1
	Benzo(b)fluoranthene	18	UG/KG	J	J		34.2	1
	Benzo(ghi)perylene	34.2	UG/KG	U	U		34.2	1
	Benzo(k)fluoranthene	11.4	UG/KG	J	J		34.2	1
	Benzoic acid	684	UG/KG	U	U		684	1
	Bis(2-chloroethoxy)methane	342	UG/KG	U	U		342	1
	Bis(2-chloroethyl) ether	342	UG/KG	U	U		342	1
	Bis(2-chloroisopropyl) ether	342	UG/KG	U	U		342	1
	Bis(2-ethylhexyl)phthalate	171	UG/KG	U	U		171	1
	Butyl benzyl phthalate	342	UG/KG	U	U		342	1
	Carbazole	342	UG/KG	U	U		342	1
	Chrysene	34.2	UG/KG	U	U		34.2	1
	Di-n-butyl phthalate	342	UG/KG	U	U		342	1
	Di-n-octylphthalate	342	UG/KG	U	U		342	1
	Dibenz(a,h)anthracene	34.2	UG/KG	U	U		34.2	1
	Dibenzofuran	342	UG/KG	U	U		342	1
	Diethyl phthalate	342	UG/KG	U	U		342	1
	Dimethyl phthalate	342	UG/KG	U	U		342	1

Station: AT-MW-05
Sample ID: AT0511 Media: Soil Depth: 0 - 1 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Diphenylamine	342	UG/KG	U	U		342	1
	Fluoranthene	25.1	UG/KG	J	J		34.2	1
	Fluorene	34.2	UG/KG	U	U		34.2	1
	Hexachlorobenzene	342	UG/KG	U	U		342	1
	Hexachlorobutadiene	342	UG/KG	U	U		342	1
	Hexachlorocyclopentadiene	342	UG/KG	U	U		342	1
	Hexachloroethane	342	UG/KG	U	U		342	1
	Indeno(1,2,3-cd)pyrene	34.2	UG/KG	U	U		34.2	1
	Isophorone	342	UG/KG	U	U		342	1
	m+p Methylphenol	342	UG/KG	U	U		342	1
	N-Nitroso-di-n-propylamine	342	UG/KG	U	U		342	1
	Naphthalene	34.2	UG/KG	U	U		34.2	1
	Nitrobenzene	342	UG/KG	U	U		342	1
	Pentachlorophenol	342	UG/KG	U	U		342	1
	Phenanthrene	12	UG/KG	J	J		34.2	1
	Phenol	342	UG/KG	U	U		342	1
	Pyrene	24.6	UG/KG	J	J		34.2	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.51	UG/KG	U	U		1.51	1
	1,1,2,2-Tetrachloroethane	1.51	UG/KG	U	U		1.51	1
	1,1,2-Trichloroethane	1.51	UG/KG	U	U		1.51	1
	1,1-Dichloroethane	1.51	UG/KG	U	U		1.51	1
	1,1-Dichloroethene	1.51	UG/KG	U	U		1.51	1
	1,2-Dibromoethane	1.51	UG/KG	U	U		1.51	1
	1,2-Dichloroethane	1.51	UG/KG	U	U		1.51	1
	1,2-Dichloroethene	1.51	UG/KG	U	U		1.51	1
	1,2-Dichloropropane	1.51	UG/KG	U	U		1.51	1
	2-Butanone	7.54	UG/KG	U	U		7.54	1
	2-Hexanone	7.54	UG/KG	U	U		7.54	1
	4-Methyl-2-pentanone	7.54	UG/KG	U	U		7.54	1
	Acetone	7.54	UG/KG	U	U		7.54	1
	Benzene	1.51	UG/KG	U	U		1.51	1
	Bromochloromethane	1.51	UG/KG	U	U		1.51	1
	Bromodichloromethane	1.51	UG/KG	U	U		1.51	1
	Bromoform	1.51	UG/KG	U	U		1.51	1
	Bromomethane	1.51	UG/KG	U	U		1.51	1
	Carbon disulfide	4.75	UG/KG	J	J		7.54	1
	Carbon tetrachloride	1.51	UG/KG	U	U		1.51	1
	Chlorobenzene	1.51	UG/KG	U	U		1.51	1
	Chloroethane	1.51	UG/KG	U	U		1.51	1
	Chloroform	1.51	UG/KG	U	U		1.51	1
	Chloromethane	1.51	UG/KG	U	U		1.51	1
	cis-1,3-Dichloropropene	1.51	UG/KG	U	U		1.51	1
	Dibromochloromethane	1.51	UG/KG	U	U		1.51	1
	Ethylbenzene	1.51	UG/KG	U	U		1.51	1
	Methylene chloride	7.54	UG/KG	U	U		7.54	1
	Styrene	0.457	UG/KG	J	J		1.51	1
	tert-Butyl methyl ether	1.51	UG/KG	U	U		1.51	1
	Tetrachloroethene	1.51	UG/KG	U	U		1.51	1
	Toluene	1.51	UG/KG	U	U		1.51	1
	trans-1,3-Dichloropropene	1.51	UG/KG	U	U		1.51	1
	Trichloroethene	1.51	UG/KG	U	U		1.51	1
	Vinyl chloride	1.51	UG/KG	U	U		1.51	1
	Xylenes, Total	1.51	UG/KG	U	U		1.51	1

Station: AT-SS-01
Sample ID: AT0110 Media: Soil Depth: 0.5 - 1 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.93	MG/KG	B	J		0.577	1
	Barium	8.7	MG/KG		=		0.0346	1
	Cadmium	0.092	MG/KG	B	J		0.0346	1
	Chromium	3.5	MG/KG	N	J	I02	0.115	1
	Lead	8.7	MG/KG		=		0.231	1
SW846 7471A	Mercury	27.1	UG/KG		=		2.37	1
SW846 6010B	Selenium	0.693	MG/KG	U	U		0.693	1
	Silver	0.115	MG/KG	U	U		0.115	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	387	UG/KG	U	U		387	1
	1,2-Dichlorobenzene	387	UG/KG	U	U		387	1
	1,3-Dichlorobenzene	387	UG/KG	U	U		387	1
	1,4-Dichlorobenzene	387	UG/KG	U	U		387	1
	2,4,5-Trichlorophenol	387	UG/KG	U	U		387	1
	2,4,6-Trichlorophenol	387	UG/KG	U	U		387	1
	2,4-Dichlorophenol	387	UG/KG	U	U		387	1
	2,4-Dimethylphenol	387	UG/KG	U	U		387	1
	2,4-Dinitrophenol	774	UG/KG	U	U		774	1
	2,4-Dinitrotoluene	387	UG/KG	U	U		387	1
	2,6-Dinitrotoluene	387	UG/KG	U	U		387	1
	2-Chloronaphthalene	38.7	UG/KG	U	U		38.7	1
	2-Chlorophenol	387	UG/KG	U	U		387	1
	2-Methyl-4,6-dinitrophenol	387	UG/KG	U	U		387	1
	2-Methylnaphthalene	38.7	UG/KG	U	U		38.7	1
	2-Methylphenol	387	UG/KG	U	U		387	1
	2-Nitrobenzenamine	387	UG/KG	U	U		387	1
	2-Nitrophenol	387	UG/KG	U	U		387	1
	3,3'-Dichlorobenzidine	387	UG/KG	U	U		387	1
	3-Nitrobenzenamine	387	UG/KG	U	U		387	1
	4-Bromophenyl phenyl ether	387	UG/KG	U	U		387	1
	4-Chloro-3-methylphenol	387	UG/KG	U	U		387	1
	4-Chlorobenzenamine	387	UG/KG	U	U		387	1
	4-Chlorophenyl phenyl ether	387	UG/KG	U	U		387	1
	4-Nitrobenzenamine	387	UG/KG	U	U		387	1
	4-Nitrophenol	387	UG/KG	U	U		387	1
	Acenaphthene	38.7	UG/KG	U	U		38.7	1
	Acenaphthylene	38.7	UG/KG	U	U		38.7	1
	Anthracene	38.7	UG/KG	U	U		38.7	1
	Benz(a)anthracene	38.7	UG/KG	U	U		38.7	1
	Benzenemethanol	387	UG/KG	U	U		387	1
	Benzo(a)pyrene	38.7	UG/KG	U	U		38.7	1
	Benzo(b)fluoranthene	28.4	UG/KG	J	J		38.7	1
	Benzo(ghi)perylene	38.7	UG/KG	U	U		38.7	1
	Benzo(k)fluoranthene	38.7	UG/KG	U	U		38.7	1
	Benzoic acid	774	UG/KG	U	U		774	1
	Bis(2-chloroethoxy)methane	387	UG/KG	U	U		387	1
	Bis(2-chloroethyl) ether	387	UG/KG	U	U		387	1
	Bis(2-chloroisopropyl) ether	387	UG/KG	U	U		387	1
	Bis(2-ethylhexyl)phthalate	194	UG/KG	U	U		194	1
	Butyl benzyl phthalate	387	UG/KG	U	U		387	1
	Carbazole	387	UG/KG	U	U		387	1
	Chrysene	38.7	UG/KG	U	U		38.7	1
	Di-n-butyl phthalate	387	UG/KG	U	U		387	1
	Di-n-octylphthalate	387	UG/KG	U	U		387	1

Station: AT-SS-01
Sample ID: AT0110 Media: Soil Depth: 0.5 - 1 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Dibenz(a,h)anthracene	38.7	UG/KG	U	U		38.7	1
	Dibenzofuran	387	UG/KG	U	U		387	1
	Diethyl phthalate	387	UG/KG	U	U		387	1
	Dimethyl phthalate	387	UG/KG	U	U		387	1
	Diphenylamine	387	UG/KG	U	U		387	1
	Fluoranthene	14	UG/KG	J	J		38.7	1
	Fluorene	38.7	UG/KG	U	U		38.7	1
	Hexachlorobenzene	387	UG/KG	U	U		387	1
	Hexachlorobutadiene	387	UG/KG	U	U		387	1
	Hexachlorocyclopentadiene	387	UG/KG	U	U		387	1
	Hexachloroethane	387	UG/KG	U	U		387	1
	Indeno(1,2,3-cd)pyrene	38.7	UG/KG	U	U		38.7	1
	Isophorone	387	UG/KG	U	U		387	1
	m+p Methylphenol	387	UG/KG	U	U		387	1
	N-Nitroso-di-n-propylamine	387	UG/KG	U	U		387	1
	Naphthalene	38.7	UG/KG	U	U		38.7	1
	Nitrobenzene	387	UG/KG	U	U		387	1
	Pentachlorophenol	387	UG/KG	U	U		387	1
	Phenanthrene	38.7	UG/KG	U	U		38.7	1
	Phenol	387	UG/KG	U	U		387	1
	Pyrene	21.8	UG/KG	J	J		38.7	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.42	UG/KG	U	U		1.42	1
	1,1,2,2-Tetrachloroethane	1.42	UG/KG	U	UJ	K01	1.42	1
	1,1,2-Trichloroethane	1.42	UG/KG	U	U		1.42	1
	1,1-Dichloroethane	1.42	UG/KG	U	U		1.42	1
	1,1-Dichloroethene	1.42	UG/KG	U	U		1.42	1
	1,2-Dibromoethane	1.42	UG/KG	U	U		1.42	1
	1,2-Dichloroethane	1.42	UG/KG	U	U		1.42	1
	1,2-Dichloroethene	1.42	UG/KG	U	U		1.42	1
	1,2-Dichloropropane	1.42	UG/KG	U	U		1.42	1
	2-Butanone	4.24	UG/KG	J	J	G01	7.08	1
	2-Hexanone	7.08	UG/KG	U	U		7.08	1
	4-Methyl-2-pentanone	7.08	UG/KG	U	U		7.08	1
	Acetone	98.8	UG/KG		J	G01	7.08	1
	Benzene	1.42	UG/KG	U	U		1.42	1
	Bromochloromethane	1.42	UG/KG	U	U		1.42	1
	Bromodichloromethane	1.42	UG/KG	U	U		1.42	1
	Bromoform	1.42	UG/KG	U	U		1.42	1
	Bromomethane	1.42	UG/KG	U	U		1.42	1
	Carbon disulfide	7.08	UG/KG	U	U		7.08	1
	Carbon tetrachloride	1.42	UG/KG	U	U		1.42	1
	Chlorobenzene	1.42	UG/KG	U	U		1.42	1
	Chloroethane	1.42	UG/KG	U	U		1.42	1
	Chloroform	1.42	UG/KG	U	U		1.42	1
	Chloromethane	1.42	UG/KG	U	U		1.42	1
	cis-1,3-Dichloropropene	1.42	UG/KG	U	U		1.42	1
	Dibromochloromethane	1.42	UG/KG	U	U		1.42	1
	Ethylbenzene	1.42	UG/KG	U	U		1.42	1
	Methylene chloride	7.08	UG/KG	U	U		7.08	1
	Styrene	0.592	UG/KG	J	J	G01	1.42	1
	tert-Butyl methyl ether	1.42	UG/KG	U	U		1.42	1
	Tetrachloroethene	1.42	UG/KG	U	U		1.42	1
	Toluene	1.42	UG/KG	U	U		1.42	1
	trans-1,3-Dichloropropene	1.42	UG/KG	U	U		1.42	1

Station: AT-SS-01
Sample ID: AT0110 Media: Soil Depth: 0.5 - 1 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	Trichloroethene	1.42	UG/KG	U	U		1.42	1
	Vinyl chloride	1.42	UG/KG	U	U		1.42	1
	Xylenes, Total	1.42	UG/KG	U	U		1.42	1

Station: AT-SS-02
Sample ID: AT0210 Media: Soil Depth: 0.5 - 1 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.82	MG/KG	B	J		0.617	1
	Barium	16	MG/KG		=		0.037	1
	Cadmium	0.037	MG/KG	U	U		0.037	1
	Chromium	2.2	MG/KG	N	J	I02	0.123	1
	Lead	15.4	MG/KG		=		0.247	1
SW846 7471A	Mercury	32.5	UG/KG		=		2.23	1
SW846 6010B	Selenium	0.74	MG/KG	U	U		0.74	1
	Silver	0.123	MG/KG	U	U		0.123	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	416	UG/KG	U	U		416	1
	1,2-Dichlorobenzene	416	UG/KG	U	U		416	1
	1,3-Dichlorobenzene	416	UG/KG	U	U		416	1
	1,4-Dichlorobenzene	416	UG/KG	U	U		416	1
	2,4,5-Trichlorophenol	416	UG/KG	U	U		416	1
	2,4,6-Trichlorophenol	416	UG/KG	U	U		416	1
	2,4-Dichlorophenol	416	UG/KG	U	U		416	1
	2,4-Dimethylphenol	416	UG/KG	U	U		416	1
	2,4-Dinitrophenol	832	UG/KG	U	U		832	1
	2,4-Dinitrotoluene	416	UG/KG	U	U		416	1
	2,6-Dinitrotoluene	416	UG/KG	U	U		416	1
	2-Chloronaphthalene	41.6	UG/KG	U	U		41.6	1
	2-Chlorophenol	416	UG/KG	U	U		416	1
	2-Methyl-4,6-dinitrophenol	416	UG/KG	U	U		416	1
	2-Methylnaphthalene	41.6	UG/KG	U	U		41.6	1
	2-Methylphenol	416	UG/KG	U	U		416	1
	2-Nitrobenzenamine	416	UG/KG	U	U		416	1
	2-Nitrophenol	416	UG/KG	U	U		416	1
	3,3'-Dichlorobenzidine	416	UG/KG	U	U		416	1
	3-Nitrobenzenamine	416	UG/KG	U	U		416	1
	4-Bromophenyl phenyl ether	416	UG/KG	U	U		416	1
	4-Chloro-3-methylphenol	416	UG/KG	U	U		416	1
	4-Chlorobenzenamine	416	UG/KG	U	U		416	1
	4-Chlorophenyl phenyl ether	416	UG/KG	U	U		416	1
	4-Nitrobenzenamine	416	UG/KG	U	U		416	1
	4-Nitrophenol	416	UG/KG	U	U		416	1
	Acenaphthene	41.6	UG/KG	U	U		41.6	1
	Acenaphthylene	41.6	UG/KG	U	U		41.6	1
	Anthracene	41.6	UG/KG	U	U		41.6	1
	Benz(a)anthracene	41.6	UG/KG	U	U		41.6	1
	Benzenemethanol	416	UG/KG	U	U		416	1
	Benzo(a)pyrene	41.6	UG/KG	U	U		41.6	1
	Benzo(b)fluoranthene	41.6	UG/KG	U	U		41.6	1
	Benzo(ghi)perylene	41.6	UG/KG	U	U		41.6	1

Station: AT-SS-02
Sample ID: AT0210 Media: Soil Depth: 0.5 - 1 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Benzo(k)fluoranthene	41.6	UG/KG	U	U		41.6	1
	Benzoic acid	832	UG/KG	U	U		832	1
	Bis(2-chloroethoxy)methane	416	UG/KG	U	U		416	1
	Bis(2-chloroethyl) ether	416	UG/KG	U	U		416	1
	Bis(2-chloroisopropyl) ether	416	UG/KG	U	U		416	1
	Bis(2-ethylhexyl)phthalate	208	UG/KG	U	U		208	1
	Butyl benzyl phthalate	416	UG/KG	U	U		416	1
	Carbazole	416	UG/KG	U	U		416	1
	Chrysene	41.6	UG/KG	U	U		41.6	1
	Di-n-butyl phthalate	416	UG/KG	U	U		416	1
	Di-n-octylphthalate	416	UG/KG	U	U		416	1
	Dibenz(a,h)anthracene	41.6	UG/KG	U	U		41.6	1
	Dibenzofuran	416	UG/KG	U	U		416	1
	Diethyl phthalate	416	UG/KG	U	U		416	1
	Dimethyl phthalate	416	UG/KG	U	U		416	1
	Diphenylamine	416	UG/KG	U	U		416	1
	Fluoranthene	41.6	UG/KG	U	U		41.6	1
	Fluorene	41.6	UG/KG	U	U		41.6	1
	Hexachlorobenzene	416	UG/KG	U	U		416	1
	Hexachlorobutadiene	416	UG/KG	U	U		416	1
	Hexachlorocyclopentadiene	416	UG/KG	U	UJ	C05	416	1
	Hexachloroethane	416	UG/KG	U	U		416	1
	Indeno(1,2,3-cd)pyrene	41.6	UG/KG	U	U		41.6	1
	Isophorone	416	UG/KG	U	U		416	1
	m+p Methylphenol	416	UG/KG	U	U		416	1
	N-Nitroso-di-n-propylamine	416	UG/KG	U	U		416	1
	Naphthalene	41.6	UG/KG	U	U		41.6	1
	Nitrobenzene	416	UG/KG	U	U		416	1
	Pentachlorophenol	416	UG/KG	U	U		416	1
	Phenanthrene	41.6	UG/KG	U	U		41.6	1
	Phenol	416	UG/KG	U	U		416	1
	Pyrene	41.6	UG/KG	U	U		41.6	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.22	UG/KG	U	U		1.22	1
	1,1,2,2-Tetrachloroethane	1.22	UG/KG	U	UJ	K01	1.22	1
	1,1,2-Trichloroethane	1.22	UG/KG	U	U		1.22	1
	1,1-Dichloroethane	1.22	UG/KG	U	U		1.22	1
	1,1-Dichloroethene	1.22	UG/KG	U	U		1.22	1
	1,2-Dibromoethane	1.22	UG/KG	U	U		1.22	1
	1,2-Dichloroethane	1.22	UG/KG	U	U		1.22	1
	1,2-Dichloroethene	1.22	UG/KG	U	U		1.22	1
	1,2-Dichloropropane	1.22	UG/KG	U	U		1.22	1
	2-Butanone	6.12	UG/KG	U	U		6.12	1
	2-Hexanone	6.12	UG/KG	U	U		6.12	1
	4-Methyl-2-pentanone	6.12	UG/KG	U	U		6.12	1
	Acetone	7.59	UG/KG		J	G01	6.12	1
	Benzene	1.22	UG/KG	U	U		1.22	1
	Bromochloromethane	1.22	UG/KG	U	U		1.22	1
	Bromodichloromethane	1.22	UG/KG	U	U		1.22	1
	Bromoform	1.22	UG/KG	U	U		1.22	1
	Bromomethane	1.22	UG/KG	U	U		1.22	1
	Carbon disulfide	6.12	UG/KG	U	U		6.12	1
	Carbon tetrachloride	1.22	UG/KG	U	U		1.22	1
	Chlorobenzene	1.22	UG/KG	U	U		1.22	1
	Chloroethane	1.22	UG/KG	U	U		1.22	1

Station: AT-SS-02
Sample ID: AT0210 Media: Soil Depth: 0.5 - 1 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	Chloroform	1.22	UG/KG	U	U		1.22	1
	Chloromethane	1.22	UG/KG	U	U		1.22	1
	cis-1,3-Dichloropropene	1.22	UG/KG	U	U		1.22	1
	Dibromochloromethane	1.22	UG/KG	U	U		1.22	1
	Ethylbenzene	1.22	UG/KG	U	U		1.22	1
	Methylene chloride	6.12	UG/KG	U	U		6.12	1
	Styrene	0.639	UG/KG	J	J	G01	1.22	1
	tert-Butyl methyl ether	1.22	UG/KG	U	U		1.22	1
	Tetrachloroethene	1.22	UG/KG	U	U		1.22	1
	Toluene	0.728	UG/KG	J	J	G01	1.22	1
	trans-1,3-Dichloropropene	1.22	UG/KG	U	U		1.22	1
	Trichloroethene	1.22	UG/KG	U	U		1.22	1
	Vinyl chloride	1.22	UG/KG	U	U		1.22	1
	Xylenes, Total	0.247	UG/KG	J	J	G01	1.22	1

Station: AT-SS-03
Sample ID: AT0310 Media: Soil Depth: 0.5 - 1 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.542	MG/KG	U	U		0.542	1
	Barium	6.5	MG/KG		=		0.0325	1
	Cadmium	0.2	MG/KG	B	J		0.0325	1
	Chromium	2.5	MG/KG	N	J	I02	0.108	1
	Lead	3	MG/KG		=		0.217	1
SW846 7471A	Mercury	6.2	UG/KG	B	J		2.17	1
SW846 6010B	Selenium	0.65	MG/KG	U	U		0.65	1
	Silver	0.108	MG/KG	U	U		0.108	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	373	UG/KG	U	U		373	1
	1,2-Dichlorobenzene	373	UG/KG	U	U		373	1
	1,3-Dichlorobenzene	373	UG/KG	U	U		373	1
	1,4-Dichlorobenzene	373	UG/KG	U	U		373	1
	2,4,5-Trichlorophenol	373	UG/KG	U	U		373	1
	2,4,6-Trichlorophenol	373	UG/KG	U	U		373	1
	2,4-Dichlorophenol	373	UG/KG	U	U		373	1
	2,4-Dimethylphenol	373	UG/KG	U	U		373	1
	2,4-Dinitrophenol	746	UG/KG	U	U		746	1
	2,4-Dinitrotoluene	373	UG/KG	U	U		373	1
	2,6-Dinitrotoluene	373	UG/KG	U	U		373	1
	2-Chloronaphthalene	37.3	UG/KG	U	U		37.3	1
	2-Chlorophenol	373	UG/KG	U	U		373	1
	2-Methyl-4,6-dinitrophenol	373	UG/KG	U	U		373	1
	2-Methylnaphthalene	37.3	UG/KG	U	U		37.3	1
	2-Methylphenol	373	UG/KG	U	U		373	1
	2-Nitrobenzenamine	373	UG/KG	U	U		373	1
	2-Nitrophenol	373	UG/KG	U	U		373	1
	3,3'-Dichlorobenzidine	373	UG/KG	U	U		373	1
	3-Nitrobenzenamine	373	UG/KG	U	U		373	1
	4-Bromophenyl phenyl ether	373	UG/KG	U	U		373	1
	4-Chloro-3-methylphenol	373	UG/KG	U	U		373	1
	4-Chlorobenzenamine	373	UG/KG	U	U		373	1

Station: AT-SS-03
Sample ID: AT0310 Media: Soil Depth: 0.5 - 1 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	4-Chlorophenyl phenyl ether	373	UG/KG	U	U		373	1
	4-Nitrobenzenamine	373	UG/KG	U	U		373	1
	4-Nitrophenol	373	UG/KG	U	U		373	1
	Acenaphthene	37.3	UG/KG	U	U		37.3	1
	Acenaphthylene	37.3	UG/KG	U	U		37.3	1
	Anthracene	37.3	UG/KG	U	U		37.3	1
	Benz(a)anthracene	37.3	UG/KG	U	U		37.3	1
	Benzenemethanol	373	UG/KG	U	U		373	1
	Benzo(a)pyrene	37.3	UG/KG	U	U		37.3	1
	Benzo(b)fluoranthene	37.3	UG/KG	U	U		37.3	1
	Benzo(ghi)perylene	37.3	UG/KG	U	U		37.3	1
	Benzo(k)fluoranthene	37.3	UG/KG	U	U		37.3	1
	Benzoic acid	746	UG/KG	U	U		746	1
	Bis(2-chloroethoxy)methane	373	UG/KG	U	U		373	1
	Bis(2-chloroethyl) ether	373	UG/KG	U	U		373	1
	Bis(2-chloroisopropyl) ether	373	UG/KG	U	U		373	1
	Bis(2-ethylhexyl)phthalate	186	UG/KG	U	U		186	1
	Butyl benzyl phthalate	373	UG/KG	U	U		373	1
	Carbazole	373	UG/KG	U	U		373	1
	Chrysene	37.3	UG/KG	U	U		37.3	1
	Di-n-butyl phthalate	373	UG/KG	U	U		373	1
	Di-n-octylphthalate	373	UG/KG	U	U		373	1
	Dibenz(a,h)anthracene	37.3	UG/KG	U	U		37.3	1
	Dibenzofuran	373	UG/KG	U	U		373	1
	Diethyl phthalate	373	UG/KG	U	U		373	1
	Dimethyl phthalate	373	UG/KG	U	U		373	1
	Diphenylamine	373	UG/KG	U	U		373	1
	Fluoranthene	37.3	UG/KG	U	U		37.3	1
	Fluorene	37.3	UG/KG	U	U		37.3	1
	Hexachlorobenzene	373	UG/KG	U	U		373	1
	Hexachlorobutadiene	373	UG/KG	U	U		373	1
	Hexachlorocyclopentadiene	373	UG/KG	U	UJ	C05	373	1
	Hexachloroethane	373	UG/KG	U	U		373	1
	Indeno(1,2,3-cd)pyrene	37.3	UG/KG	U	U		37.3	1
	Isophorone	373	UG/KG	U	U		373	1
	m+p Methylphenol	373	UG/KG	U	U		373	1
	N-Nitroso-di-n-propylamine	373	UG/KG	U	U		373	1
	Naphthalene	37.3	UG/KG	U	U		37.3	1
	Nitrobenzene	373	UG/KG	U	U		373	1
	Pentachlorophenol	373	UG/KG	U	U		373	1
	Phenanthrene	37.3	UG/KG	U	U		37.3	1
	Phenol	373	UG/KG	U	U		373	1
	Pyrene	37.3	UG/KG	U	U		37.3	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.19	UG/KG	U	U		1.19	1
	1,1,2,2-Tetrachloroethane	1.19	UG/KG	U	U		1.19	1
	1,1,2-Trichloroethane	1.19	UG/KG	U	U		1.19	1
	1,1-Dichloroethane	1.19	UG/KG	U	U		1.19	1
	1,1-Dichloroethene	1.19	UG/KG	U	U		1.19	1
	1,2-Dibromoethane	1.19	UG/KG	U	U		1.19	1
	1,2-Dichloroethane	1.19	UG/KG	U	U		1.19	1
	1,2-Dichloroethene	1.19	UG/KG	U	U		1.19	1
	1,2-Dichloropropane	1.19	UG/KG	U	U		1.19	1
	2-Butanone	5.95	UG/KG	U	U		5.95	1
	2-Hexanone	5.95	UG/KG	U	U		5.95	1

Station: AT-SS-03
Sample ID: AT0310 Media: Soil Depth: 0.5 - 1 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	4-Methyl-2-pentanone	5.95	UG/KG	U	U		5.95	1
	Acetone	5.95	UG/KG	U	U		5.95	1
	Benzene	1.19	UG/KG	U	U		1.19	1
	Bromochloromethane	1.19	UG/KG	U	U		1.19	1
	Bromodichloromethane	1.19	UG/KG	U	U		1.19	1
	Bromoform	1.19	UG/KG	U	U		1.19	1
	Bromomethane	1.19	UG/KG	U	U		1.19	1
	Carbon disulfide	5.95	UG/KG	U	U		5.95	1
	Carbon tetrachloride	1.19	UG/KG	U	U		1.19	1
	Chlorobenzene	1.19	UG/KG	U	U		1.19	1
	Chloroethane	1.19	UG/KG	U	U		1.19	1
	Chloroform	1.19	UG/KG	U	U		1.19	1
	Chloromethane	1.19	UG/KG	U	U		1.19	1
	cis-1,3-Dichloropropene	1.19	UG/KG	U	U		1.19	1
	Dibromochloromethane	1.19	UG/KG	U	U		1.19	1
	Ethylbenzene	1.19	UG/KG	U	U		1.19	1
	Methylene chloride	5.95	UG/KG	U	U		5.95	1
	Styrene	0.262	UG/KG	J	J		1.19	1
	tert-Butyl methyl ether	1.19	UG/KG	U	U		1.19	1
	Tetrachloroethene	1.19	UG/KG	U	U		1.19	1
	Toluene	1.19	UG/KG	U	U		1.19	1
	trans-1,3-Dichloropropene	1.19	UG/KG	U	U		1.19	1
	Trichloroethene	1.19	UG/KG	U	U		1.19	1
	Vinyl chloride	1.19	UG/KG	U	U		1.19	1
	Xylenes, Total	1.19	UG/KG	U	U		1.19	1

Station: AT-MW-01
Sample ID: AT0121 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.632	MG/KG	U	U		0.632	1
	Barium	5.7	MG/KG		=		0.0379	1
	Cadmium	0.0379	MG/KG	U	U		0.0379	1
	Chromium	6.2	MG/KG	N	J	I02	0.126	1
	Lead	7	MG/KG		=		0.253	1
SW846 7471A	Mercury	109	UG/KG		=		2.45	1
SW846 6010B	Selenium	1.9	MG/KG		=		0.759	1
	Silver	0.126	MG/KG	U	U		0.126	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	441	UG/KG	U	U		441	1
	1,2-Dichlorobenzene	441	UG/KG	U	U		441	1
	1,3-Dichlorobenzene	441	UG/KG	U	U		441	1
	1,4-Dichlorobenzene	441	UG/KG	U	U		441	1
	2,4,5-Trichlorophenol	441	UG/KG	U	U		441	1
	2,4,6-Trichlorophenol	441	UG/KG	U	U		441	1
	2,4-Dichlorophenol	441	UG/KG	U	U		441	1
	2,4-Dimethylphenol	441	UG/KG	U	U		441	1
	2,4-Dinitrophenol	882	UG/KG	U	U		882	1
	2,4-Dinitrotoluene	441	UG/KG	U	U		441	1
	2,6-Dinitrotoluene	441	UG/KG	U	U		441	1
	2-Chloronaphthalene	44.1	UG/KG	U	U		44.1	1
	2-Chlorophenol	441	UG/KG	U	U		441	1
	2-Methyl-4,6-dinitrophenol	441	UG/KG	U	U		441	1
	2-Methylnaphthalene	44.1	UG/KG	U	U		44.1	1
	2-Methylphenol	441	UG/KG	U	U		441	1
	2-Nitrobenzenamine	441	UG/KG	U	U		441	1
	2-Nitrophenol	441	UG/KG	U	U		441	1
	3,3'-Dichlorobenzidine	441	UG/KG	U	U		441	1
	3-Nitrobenzenamine	441	UG/KG	U	U		441	1
	4-Bromophenyl phenyl ether	441	UG/KG	U	U		441	1
	4-Chloro-3-methylphenol	441	UG/KG	U	U		441	1
	4-Chlorobenzenamine	441	UG/KG	U	U		441	1
	4-Chlorophenyl phenyl ether	441	UG/KG	U	U		441	1
	4-Nitrobenzenamine	441	UG/KG	U	U		441	1
	4-Nitrophenol	441	UG/KG	U	U		441	1
	Acenaphthene	44.1	UG/KG	U	U		44.1	1
	Acenaphthylene	44.1	UG/KG	U	U		44.1	1
	Anthracene	44.1	UG/KG	U	U		44.1	1
	Benz(a)anthracene	44.1	UG/KG	U	U		44.1	1
	Benzenemethanol	441	UG/KG	U	U		441	1
	Benzo(a)pyrene	44.1	UG/KG	U	U		44.1	1
	Benzo(b)fluoranthene	44.1	UG/KG	U	U		44.1	1
	Benzo(ghi)perylene	44.1	UG/KG	U	U		44.1	1
	Benzo(k)fluoranthene	44.1	UG/KG	U	U		44.1	1
	Benzoic acid	882	UG/KG	U	U		882	1
	Bis(2-chloroethoxy)methane	441	UG/KG	U	U		441	1
	Bis(2-chloroethyl) ether	441	UG/KG	U	U		441	1
	Bis(2-chloroisopropyl) ether	441	UG/KG	U	U		441	1
	Bis(2-ethylhexyl)phthalate	220	UG/KG	U	U		220	1
	Butyl benzyl phthalate	441	UG/KG	U	U		441	1
	Carbazole	441	UG/KG	U	U		441	1
	Chrysene	44.1	UG/KG	U	U		44.1	1
	Di-n-butyl phthalate	441	UG/KG	U	U		441	1
	Di-n-octylphthalate	441	UG/KG	U	U		441	1
	Dibenz(a,h)anthracene	44.1	UG/KG	U	U		44.1	1

Station: AT-MW-01
Sample ID: AT0121 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Dibenzofuran	441	UG/KG	U	U		441	1
	Diethyl phthalate	441	UG/KG	U	U		441	1
	Dimethyl phthalate	441	UG/KG	U	U		441	1
	Diphenylamine	441	UG/KG	U	U		441	1
	Fluoranthene	44.1	UG/KG	U	U		44.1	1
	Fluorene	44.1	UG/KG	U	U		44.1	1
	Hexachlorobenzene	441	UG/KG	U	U		441	1
	Hexachlorobutadiene	441	UG/KG	U	U		441	1
	Hexachlorocyclopentadiene	441	UG/KG	U	UJ	C05	441	1
	Hexachloroethane	441	UG/KG	U	U		441	1
	Indeno(1,2,3-cd)pyrene	44.1	UG/KG	U	U		44.1	1
	Isophorone	441	UG/KG	U	U		441	1
	m+p Methylphenol	441	UG/KG	U	U		441	1
	N-Nitroso-di-n-propylamine	441	UG/KG	U	U		441	1
	Naphthalene	44.1	UG/KG	U	U		44.1	1
	Nitrobenzene	441	UG/KG	U	U		441	1
	Pentachlorophenol	441	UG/KG	U	U		441	1
	Phenanthrene	44.1	UG/KG	U	U		44.1	1
	Phenol	441	UG/KG	U	U		441	1
	Pyrene	44.1	UG/KG	U	U		44.1	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.27	UG/KG	U	U		1.27	1
	1,1,2,2-Tetrachloroethane	1.27	UG/KG	U	U		1.27	1
	1,1,2-Trichloroethane	1.27	UG/KG	U	U		1.27	1
	1,1-Dichloroethane	1.27	UG/KG	U	U		1.27	1
	1,1-Dichloroethene	1.27	UG/KG	U	U		1.27	1
	1,2-Dibromoethane	1.27	UG/KG	U	U		1.27	1
	1,2-Dichloroethane	1.27	UG/KG	U	U		1.27	1
	1,2-Dichloroethene	1.27	UG/KG	U	U		1.27	1
	1,2-Dichloropropane	1.27	UG/KG	U	U		1.27	1
	2-Butanone	2.68	UG/KG	J	J	G01	6.36	1
	2-Hexanone	6.36	UG/KG	U	U		6.36	1
	4-Methyl-2-pentanone	6.36	UG/KG	U	U		6.36	1
	Acetone	34.8	UG/KG		J	G01	6.36	1
	Benzene	1.27	UG/KG	U	U		1.27	1
	Bromochloromethane	1.27	UG/KG	U	U		1.27	1
	Bromodichloromethane	1.27	UG/KG	U	U		1.27	1
	Bromoform	1.27	UG/KG	U	U		1.27	1
	Bromomethane	1.27	UG/KG	U	U		1.27	1
	Carbon disulfide	6.36	UG/KG	U	U		6.36	1
	Carbon tetrachloride	1.27	UG/KG	U	U		1.27	1
	Chlorobenzene	1.27	UG/KG	U	U		1.27	1
	Chloroethane	1.27	UG/KG	U	U		1.27	1
	Chloroform	1.27	UG/KG	U	U		1.27	1
	Chloromethane	1.27	UG/KG	U	U		1.27	1
	cis-1,3-Dichloropropene	1.27	UG/KG	U	U		1.27	1
	Dibromochloromethane	1.27	UG/KG	U	U		1.27	1
	Ethylbenzene	1.27	UG/KG	U	U		1.27	1
	Methylene chloride	6.36	UG/KG	U	U		6.36	1
	Styrene	0.545	UG/KG	J	J	G01	1.27	1
	tert-Butyl methyl ether	1.27	UG/KG	U	U		1.27	1
	Tetrachloroethene	1.27	UG/KG	U	U		1.27	1
	Toluene	8.22	UG/KG		J	G01	1.27	1
	trans-1,3-Dichloropropene	1.27	UG/KG	U	U		1.27	1
	Trichloroethene	1.27	UG/KG	U	U		1.27	1

Station: AT-MW-01
Sample ID: AT0121 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	Vinyl chloride	1.27	UG/KG	U	U		1.27	1
	Xylenes, Total	0.263	UG/KG	J	J	G01	1.27	1

Station: AT-MW-02
Sample ID: AT0221 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.651	MG/KG	U	U		0.651	1
	Barium	5.3	MG/KG		=		0.039	1
	Cadmium	0.039	MG/KG	U	U		0.039	1
	Chromium	8.3	MG/KG		=		0.13	1
	Lead	10	MG/KG		=		0.26	1
SW846 7471A	Mercury	172	UG/KG		=		2.76	1
SW846 6010B	Selenium	0.99	MG/KG	B	J		0.781	1
	Silver	0.13	MG/KG	U	U		0.13	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	454	UG/KG	U	U		454	1
	1,2-Dichlorobenzene	454	UG/KG	U	U		454	1
	1,3-Dichlorobenzene	454	UG/KG	U	U		454	1
	1,4-Dichlorobenzene	454	UG/KG	U	U		454	1
	2,4,5-Trichlorophenol	454	UG/KG	U	U		454	1
	2,4,6-Trichlorophenol	454	UG/KG	U	U		454	1
	2,4-Dichlorophenol	454	UG/KG	U	U		454	1
	2,4-Dimethylphenol	454	UG/KG	U	U		454	1
	2,4-Dinitrophenol	907	UG/KG	U	U		907	1
	2,4-Dinitrotoluene	454	UG/KG	U	U		454	1
	2,6-Dinitrotoluene	454	UG/KG	U	U		454	1
	2-Chloronaphthalene	45.4	UG/KG	U	U		45.4	1
	2-Chlorophenol	454	UG/KG	U	U		454	1
	2-Methyl-4,6-dinitrophenol	454	UG/KG	U	U		454	1
	2-Methylnaphthalene	45.4	UG/KG	U	U		45.4	1
	2-Methylphenol	454	UG/KG	U	U		454	1
	2-Nitrobenzenamine	454	UG/KG	U	U		454	1
	2-Nitrophenol	454	UG/KG	U	U		454	1
	3,3'-Dichlorobenzidine	454	UG/KG	U	U		454	1
	3-Nitrobenzenamine	454	UG/KG	U	U		454	1
	4-Bromophenyl phenyl ether	454	UG/KG	U	U		454	1
	4-Chloro-3-methylphenol	454	UG/KG	U	U		454	1
	4-Chlorobenzenamine	454	UG/KG	U	U		454	1
	4-Chlorophenyl phenyl ether	454	UG/KG	U	U		454	1
	4-Nitrobenzenamine	454	UG/KG	U	U		454	1
	4-Nitrophenol	454	UG/KG	U	U		454	1
	Acenaphthene	45.4	UG/KG	U	U		45.4	1
	Acenaphthylene	45.4	UG/KG	U	U		45.4	1
	Anthracene	45.4	UG/KG	U	U		45.4	1
	Benz(a)anthracene	45.4	UG/KG	U	U		45.4	1
	Benzenemethanol	454	UG/KG	U	U		454	1
	Benzo(a)pyrene	253	UG/KG		=		45.4	1
	Benzo(b)fluoranthene	45.4	UG/KG	U	U		45.4	1
	Benzo(ghi)perylene	45.4	UG/KG	U	U		45.4	1
	Benzo(k)fluoranthene	45.4	UG/KG	U	U		45.4	1

Station: AT-MW-02
Sample ID: AT0221 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Benzoic acid	907	UG/KG	U	U		907	1
	Bis(2-chloroethoxy)methane	454	UG/KG	U	U		454	1
	Bis(2-chloroethyl) ether	454	UG/KG	U	U		454	1
	Bis(2-chloroisopropyl) ether	454	UG/KG	U	U		454	1
	Bis(2-ethylhexyl)phthalate	227	UG/KG	U	U		227	1
	Butyl benzyl phthalate	454	UG/KG	U	U		454	1
	Carbazole	454	UG/KG	U	U		454	1
	Chrysene	45.4	UG/KG	U	U		45.4	1
	Di-n-butyl phthalate	454	UG/KG	U	U		454	1
	Di-n-octylphthalate	454	UG/KG	U	U		454	1
	Dibenz(a,h)anthracene	45.4	UG/KG	U	U		45.4	1
	Dibenzofuran	454	UG/KG	U	U		454	1
	Diethyl phthalate	454	UG/KG	U	U		454	1
	Dimethyl phthalate	454	UG/KG	U	U		454	1
	Diphenylamine	454	UG/KG	U	U		454	1
	Fluoranthene	45.4	UG/KG	U	U		45.4	1
	Fluorene	45.4	UG/KG	U	U		45.4	1
	Hexachlorobenzene	454	UG/KG	U	U		454	1
	Hexachlorobutadiene	454	UG/KG	U	U		454	1
	Hexachlorocyclopentadiene	454	UG/KG	U	U		454	1
	Hexachloroethane	454	UG/KG	U	U		454	1
	Indeno(1,2,3-cd)pyrene	45.4	UG/KG	U	U		45.4	1
	Isophorone	454	UG/KG	U	U		454	1
	m+p Methylphenol	454	UG/KG	U	U		454	1
	N-Nitroso-di-n-propylamine	454	UG/KG	U	U		454	1
	Naphthalene	45.4	UG/KG	U	U		45.4	1
	Nitrobenzene	454	UG/KG	U	U		454	1
	Pentachlorophenol	454	UG/KG	U	U		454	1
	Phenanthrene	45.4	UG/KG	U	U		45.4	1
	Phenol	454	UG/KG	U	U		454	1
	Pyrene	45.4	UG/KG	U	U		45.4	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.42	UG/KG	U	U		1.42	1
	1,1,2,2-Tetrachloroethane	1.42	UG/KG	U	U		1.42	1
	1,1,2-Trichloroethane	1.42	UG/KG	U	U		1.42	1
	1,1-Dichloroethane	1.42	UG/KG	U	U		1.42	1
	1,1-Dichloroethene	1.42	UG/KG	U	U		1.42	1
	1,2-Dibromoethane	1.42	UG/KG	U	U		1.42	1
	1,2-Dichloroethane	1.42	UG/KG	U	U		1.42	1
	1,2-Dichloroethene	1.42	UG/KG	U	U		1.42	1
	1,2-Dichloropropane	1.42	UG/KG	U	U		1.42	1
	2-Butanone	7.09	UG/KG	U	U		7.09	1
	2-Hexanone	7.09	UG/KG	U	U		7.09	1
	4-Methyl-2-pentanone	7.09	UG/KG	U	U		7.09	1
	Acetone	29.2	UG/KG		=		7.09	1
	Benzene	1.42	UG/KG	U	U		1.42	1
	Bromochloromethane	1.42	UG/KG	U	U		1.42	1
	Bromodichloromethane	1.42	UG/KG	U	U		1.42	1
	Bromoform	1.42	UG/KG	U	U		1.42	1
	Bromomethane	1.42	UG/KG	U	U		1.42	1
	Carbon disulfide	4.13	UG/KG	J	J		7.09	1
	Carbon tetrachloride	1.42	UG/KG	U	U		1.42	1
	Chlorobenzene	1.42	UG/KG	U	U		1.42	1
	Chloroethane	1.42	UG/KG	U	U		1.42	1
	Chloroform	1.42	UG/KG	U	U		1.42	1

Station: AT-MW-02
Sample ID: AT0221 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	Chloromethane	1.42	UG/KG	U	U		1.42	1
	cis-1,3-Dichloropropene	1.42	UG/KG	U	U		1.42	1
	Dibromochloromethane	1.42	UG/KG	U	U		1.42	1
	Ethylbenzene	1.42	UG/KG	U	U		1.42	1
	Methylene chloride	7.09	UG/KG	U	U		7.09	1
	Styrene	0.312	UG/KG	J	J		1.42	1
	tert-Butyl methyl ether	1.42	UG/KG	U	U		1.42	1
	Tetrachloroethene	1.42	UG/KG	U	U		1.42	1
	Toluene	1.95	UG/KG		=		1.42	1
	trans-1,3-Dichloropropene	1.42	UG/KG	U	U		1.42	1
	Trichloroethene	1.42	UG/KG	U	U		1.42	1
	Vinyl chloride	1.42	UG/KG	U	U		1.42	1
	Xylenes, Total	1.42	UG/KG	U	U		1.42	1

Station: AT-MW-03
Sample ID: AT0321 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.676	MG/KG	U	U		0.676	1
	Barium	3.8	MG/KG		=		0.0406	1
	Cadmium	0.0406	MG/KG	U	U		0.0406	1
	Chromium	4.4	MG/KG		=		0.135	1
	Lead	2.7	MG/KG		=		0.27	1
SW846 7471A	Mercury	34.6	UG/KG		=		2.75	1
SW846 6010B	Selenium	0.84	MG/KG	B	J		0.811	1
	Silver	0.135	MG/KG	U	U		0.135	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	451	UG/KG	U	U		451	1
	1,2-Dichlorobenzene	451	UG/KG	U	U		451	1
	1,3-Dichlorobenzene	451	UG/KG	U	U		451	1
	1,4-Dichlorobenzene	451	UG/KG	U	U		451	1
	2,4,5-Trichlorophenol	451	UG/KG	U	U		451	1
	2,4,6-Trichlorophenol	451	UG/KG	U	U		451	1
	2,4-Dichlorophenol	451	UG/KG	U	U		451	1
	2,4-Dimethylphenol	451	UG/KG	U	U		451	1
	2,4-Dinitrophenol	902	UG/KG	U	U		902	1
	2,4-Dinitrotoluene	451	UG/KG	U	U		451	1
	2,6-Dinitrotoluene	451	UG/KG	U	U		451	1
	2-Chloronaphthalene	45.1	UG/KG	U	U		45.1	1
	2-Chlorophenol	451	UG/KG	U	U		451	1
	2-Methyl-4,6-dinitrophenol	451	UG/KG	U	U		451	1
	2-Methylnaphthalene	45.1	UG/KG	U	U		45.1	1
	2-Methylphenol	451	UG/KG	U	U		451	1
	2-Nitrobenzenamine	451	UG/KG	U	U		451	1
	2-Nitrophenol	451	UG/KG	U	U		451	1
	3,3'-Dichlorobenzidine	451	UG/KG	U	U		451	1
	3-Nitrobenzenamine	451	UG/KG	U	U		451	1
	4-Bromophenyl phenyl ether	451	UG/KG	U	U		451	1
	4-Chloro-3-methylphenol	451	UG/KG	U	U		451	1
	4-Chlorobenzenamine	451	UG/KG	U	U		451	1
	4-Chlorophenyl phenyl ether	451	UG/KG	U	U		451	1

Station: AT-MW-03
Sample ID: AT0321 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	4-Nitrobenzenamine	451	UG/KG	U	U		451	1
	4-Nitrophenol	451	UG/KG	U	U		451	1
	Acenaphthene	45.1	UG/KG	U	U		45.1	1
	Acenaphthylene	45.1	UG/KG	U	U		45.1	1
	Anthracene	45.1	UG/KG	U	U		45.1	1
	Benz(a)anthracene	45.1	UG/KG	U	U		45.1	1
	Benzenemethanol	451	UG/KG	U	U		451	1
	Benzo(a)pyrene	45.1	UG/KG	U	U		45.1	1
	Benzo(b)fluoranthene	45.1	UG/KG	U	U		45.1	1
	Benzo(ghi)perylene	45.1	UG/KG	U	U		45.1	1
	Benzo(k)fluoranthene	45.1	UG/KG	U	U		45.1	1
	Benzoic acid	902	UG/KG	U	U		902	1
	Bis(2-chloroethoxy)methane	451	UG/KG	U	U		451	1
	Bis(2-chloroethyl) ether	451	UG/KG	U	U		451	1
	Bis(2-chloroisopropyl) ether	451	UG/KG	U	U		451	1
	Bis(2-ethylhexyl)phthalate	225	UG/KG	U	U		225	1
	Butyl benzyl phthalate	451	UG/KG	U	U		451	1
	Carbazole	451	UG/KG	U	U		451	1
	Chrysene	45.1	UG/KG	U	U		45.1	1
	Di-n-butyl phthalate	451	UG/KG	U	U		451	1
	Di-n-octylphthalate	451	UG/KG	U	U		451	1
	Dibenz(a,h)anthracene	45.1	UG/KG	U	U		45.1	1
	Dibenzofuran	451	UG/KG	U	U		451	1
	Diethyl phthalate	451	UG/KG	U	U		451	1
	Dimethyl phthalate	451	UG/KG	U	U		451	1
	Diphenylamine	451	UG/KG	U	U		451	1
	Fluoranthene	45.1	UG/KG	U	U		45.1	1
	Fluorene	45.1	UG/KG	U	U		45.1	1
	Hexachlorobenzene	451	UG/KG	U	U		451	1
	Hexachlorobutadiene	451	UG/KG	U	U		451	1
	Hexachlorocyclopentadiene	451	UG/KG	U	U		451	1
	Hexachloroethane	451	UG/KG	U	U		451	1
	Indeno(1,2,3-cd)pyrene	45.1	UG/KG	U	U		45.1	1
	Isophorone	451	UG/KG	U	U		451	1
	m+p Methylphenol	451	UG/KG	U	U		451	1
	N-Nitroso-di-n-propylamine	451	UG/KG	U	U		451	1
	Naphthalene	45.1	UG/KG	U	U		45.1	1
	Nitrobenzene	451	UG/KG	U	U		451	1
	Pentachlorophenol	451	UG/KG	U	U		451	1
	Phenanthrene	45.1	UG/KG	U	U		45.1	1
	Phenol	451	UG/KG	U	U		451	1
	Pyrene	45.1	UG/KG	U	U		45.1	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.61	UG/KG	U	U		1.61	1
	1,1,2,2-Tetrachloroethane	1.61	UG/KG	U	U		1.61	1
	1,1,2-Trichloroethane	1.61	UG/KG	U	U		1.61	1
	1,1-Dichloroethane	1.61	UG/KG	U	U		1.61	1
	1,1-Dichloroethene	1.61	UG/KG	U	U		1.61	1
	1,2-Dibromoethane	1.61	UG/KG	U	U		1.61	1
	1,2-Dichloroethane	1.61	UG/KG	U	U		1.61	1
	1,2-Dichloroethene	1.61	UG/KG	U	U		1.61	1
	1,2-Dichloropropane	1.61	UG/KG	U	U		1.61	1
	2-Butanone	8.05	UG/KG	U	U		8.05	1
	2-Hexanone	8.05	UG/KG	U	U		8.05	1
	4-Methyl-2-pentanone	8.05	UG/KG	U	U		8.05	1

Station: AT-MW-03
Sample ID: AT0321 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	Acetone	13.2	UG/KG		=		8.05	1
	Benzene	1.61	UG/KG	U	U		1.61	1
	Bromochloromethane	1.61	UG/KG	U	U		1.61	1
	Bromodichloromethane	1.61	UG/KG	U	U		1.61	1
	Bromoform	1.61	UG/KG	U	U		1.61	1
	Bromomethane	1.61	UG/KG	U	U		1.61	1
	Carbon disulfide	8.05	UG/KG	U	U		8.05	1
	Carbon tetrachloride	1.61	UG/KG	U	U		1.61	1
	Chlorobenzene	1.61	UG/KG	U	U		1.61	1
	Chloroethane	1.61	UG/KG	U	U		1.61	1
	Chloroform	1.61	UG/KG	U	U		1.61	1
	Chloromethane	1.61	UG/KG	U	U		1.61	1
	cis-1,3-Dichloropropene	1.61	UG/KG	U	U		1.61	1
	Dibromochloromethane	1.61	UG/KG	U	U		1.61	1
	Ethylbenzene	1.61	UG/KG	U	U		1.61	1
	Methylene chloride	8.05	UG/KG	U	U		8.05	1
	Styrene	0.337	UG/KG	J	J		1.61	1
	tert-Butyl methyl ether	1.61	UG/KG	U	U		1.61	1
	Tetrachloroethene	1.61	UG/KG	U	U		1.61	1
	Toluene	1.61	UG/KG	U	U		1.61	1
	trans-1,3-Dichloropropene	1.61	UG/KG	U	U		1.61	1
	Trichloroethene	1.61	UG/KG	U	U		1.61	1
	Vinyl chloride	1.61	UG/KG	U	U		1.61	1
	Xylenes, Total	1.61	UG/KG	U	U		1.61	1

Station: AT-MW-03
Sample ID: AT0323 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.673	MG/KG	U	U		0.673	1
	Barium	3.6	MG/KG		=		0.0404	1
	Cadmium	0.0404	MG/KG	U	U		0.0404	1
	Chromium	5.8	MG/KG		=		0.135	1
	Lead	2.9	MG/KG		=		0.269	1
SW846 7471A	Mercury	28.1	UG/KG		=		2.77	1
SW846 6010B	Selenium	1.4	MG/KG	B	J		0.808	1
	Silver	0.135	MG/KG	U	U		0.135	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	471	UG/KG	U	U		471	1
	1,2-Dichlorobenzene	471	UG/KG	U	U		471	1
	1,3-Dichlorobenzene	471	UG/KG	U	U		471	1
	1,4-Dichlorobenzene	471	UG/KG	U	U		471	1
	2,4,5-Trichlorophenol	471	UG/KG	U	U		471	1
	2,4,6-Trichlorophenol	471	UG/KG	U	U		471	1
	2,4-Dichlorophenol	471	UG/KG	U	U		471	1
	2,4-Dimethylphenol	471	UG/KG	U	U		471	1
	2,4-Dinitrophenol	943	UG/KG	U	U		943	1
	2,4-Dinitrotoluene	471	UG/KG	U	U		471	1
	2,6-Dinitrotoluene	471	UG/KG	U	U		471	1
	2-Chloronaphthalene	47.1	UG/KG	U	U		47.1	1
	2-Chlorophenol	471	UG/KG	U	U		471	1
	2-Methyl-4,6-dinitrophenol	471	UG/KG	U	U		471	1
	2-Methylnaphthalene	47.1	UG/KG	U	U		47.1	1

Station: AT-MW-03
Sample ID: AT0323 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	2-Methylphenol	471	UG/KG	U	U		471	1
	2-Nitrobenzenamine	471	UG/KG	U	U		471	1
	2-Nitrophenol	471	UG/KG	U	U		471	1
	3,3'-Dichlorobenzidine	471	UG/KG	U	U		471	1
	3-Nitrobenzenamine	471	UG/KG	U	U		471	1
	4-Bromophenyl phenyl ether	471	UG/KG	U	U		471	1
	4-Chloro-3-methylphenol	471	UG/KG	U	U		471	1
	4-Chlorobenzenamine	471	UG/KG	U	U		471	1
	4-Chlorophenyl phenyl ether	471	UG/KG	U	U		471	1
	4-Nitrobenzenamine	471	UG/KG	U	U		471	1
	4-Nitrophenol	471	UG/KG	U	U		471	1
	Acenaphthene	47.1	UG/KG	U	U		47.1	1
	Acenaphthylene	47.1	UG/KG	U	U		47.1	1
	Anthracene	47.1	UG/KG	U	U		47.1	1
	Benz(a)anthracene	47.1	UG/KG	U	U		47.1	1
	Benzenemethanol	471	UG/KG	U	U		471	1
	Benzo(a)pyrene	47.1	UG/KG	U	U		47.1	1
	Benzo(b)fluoranthene	47.1	UG/KG	U	U		47.1	1
	Benzo(ghi)perylene	47.1	UG/KG	U	U		47.1	1
	Benzo(k)fluoranthene	47.1	UG/KG	U	U		47.1	1
	Benzoic acid	943	UG/KG	U	U		943	1
	Bis(2-chloroethoxy)methane	471	UG/KG	U	U		471	1
	Bis(2-chloroethyl) ether	471	UG/KG	U	U		471	1
	Bis(2-chloroisopropyl) ether	471	UG/KG	U	U		471	1
	Bis(2-ethylhexyl)phthalate	236	UG/KG	U	U		236	1
	Butyl benzyl phthalate	471	UG/KG	U	U		471	1
	Carbazole	471	UG/KG	U	U		471	1
	Chrysene	47.1	UG/KG	U	U		47.1	1
	Di-n-butyl phthalate	471	UG/KG	U	U		471	1
	Di-n-octylphthalate	471	UG/KG	U	U		471	1
	Dibenz(a,h)anthracene	47.1	UG/KG	U	U		47.1	1
	Dibenzofuran	471	UG/KG	U	U		471	1
	Diethyl phthalate	471	UG/KG	U	U		471	1
	Dimethyl phthalate	471	UG/KG	U	U		471	1
	Diphenylamine	471	UG/KG	U	U		471	1
	Fluoranthene	47.1	UG/KG	U	U		47.1	1
	Fluorene	47.1	UG/KG	U	U		47.1	1
	Hexachlorobenzene	471	UG/KG	U	U		471	1
	Hexachlorobutadiene	471	UG/KG	U	U		471	1
	Hexachlorocyclopentadiene	471	UG/KG	U	U		471	1
	Hexachloroethane	471	UG/KG	U	U		471	1
	Indeno(1,2,3-cd)pyrene	47.1	UG/KG	U	U		47.1	1
	Isophorone	471	UG/KG	U	U		471	1
	m+p Methylphenol	471	UG/KG	U	U		471	1
	N-Nitroso-di-n-propylamine	471	UG/KG	U	U		471	1
	Naphthalene	47.1	UG/KG	U	U		47.1	1
	Nitrobenzene	471	UG/KG	U	U		471	1
	Pentachlorophenol	471	UG/KG	U	U		471	1
	Phenanthrene	47.1	UG/KG	U	U		47.1	1
	Phenol	471	UG/KG	U	U		471	1
	Pyrene	47.1	UG/KG	U	U		47.1	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	2.36	UG/KG	U	U		2.36	1
	1,1,2,2-Tetrachloroethane	2.36	UG/KG	U	U		2.36	1
	1,1,2-Trichloroethane	2.36	UG/KG	U	U		2.36	1

Station: AT-MW-03
Sample ID: AT0323 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1-Dichloroethane	2.36	UG/KG	U	U		2.36	1
	1,1-Dichloroethene	2.36	UG/KG	U	U		2.36	1
	1,2-Dibromoethane	2.36	UG/KG	U	U		2.36	1
	1,2-Dichloroethane	2.36	UG/KG	U	U		2.36	1
	1,2-Dichloroethene	2.36	UG/KG	U	U		2.36	1
	1,2-Dichloropropane	2.36	UG/KG	U	U		2.36	1
	2-Butanone	11.8	UG/KG	U	U		11.8	1
	2-Hexanone	11.8	UG/KG	U	U		11.8	1
	4-Methyl-2-pentanone	11.8	UG/KG	U	U		11.8	1
	Acetone	18.1	UG/KG		=		11.8	1
	Benzene	2.36	UG/KG	U	U		2.36	1
	Bromochloromethane	2.36	UG/KG	U	U		2.36	1
	Bromodichloromethane	2.36	UG/KG	U	U		2.36	1
	Bromoform	2.36	UG/KG	U	U		2.36	1
	Bromomethane	2.36	UG/KG	U	U		2.36	1
	Carbon disulfide	11.8	UG/KG	U	U		11.8	1
	Carbon tetrachloride	2.36	UG/KG	U	U		2.36	1
	Chlorobenzene	2.36	UG/KG	U	U		2.36	1
	Chloroethane	2.36	UG/KG	U	U		2.36	1
	Chloroform	2.36	UG/KG	U	U		2.36	1
	Chloromethane	2.36	UG/KG	U	U		2.36	1
	cis-1,3-Dichloropropene	2.36	UG/KG	U	U		2.36	1
	Dibromochloromethane	2.36	UG/KG	U	U		2.36	1
	Ethylbenzene	2.36	UG/KG	U	U		2.36	1
	Methylene chloride	11.8	UG/KG	U	U		11.8	1
	Styrene	0.548	UG/KG	J	J		2.36	1
	tert-Butyl methyl ether	2.36	UG/KG	U	U		2.36	1
	Tetrachloroethene	2.36	UG/KG	U	U		2.36	1
	Toluene	7.83	UG/KG		=		2.36	1
	trans-1,3-Dichloropropene	2.36	UG/KG	U	U		2.36	1
	Trichloroethene	2.36	UG/KG	U	U		2.36	1
	Vinyl chloride	2.36	UG/KG	U	U		2.36	1
	Xylenes, Total	2.36	UG/KG	U	U		2.36	1

Station: AT-MW-04
Sample ID: AT0421 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.665	MG/KG	U	U		0.665	1
	Barium	5.2	MG/KG		=		0.0399	1
	Cadmium	0.0399	MG/KG	U	U		0.0399	1
	Chromium	9.8	MG/KG		=		0.133	1
	Lead	7.6	MG/KG		=		0.266	1
SW846 7471A	Mercury	133	UG/KG		=		2.69	1
SW846 6010B	Selenium	0.798	MG/KG	U	U		0.798	1
	Silver	0.133	MG/KG	U	U		0.133	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	445	UG/KG	U	U		445	1
	1,2-Dichlorobenzene	445	UG/KG	U	U		445	1
	1,3-Dichlorobenzene	445	UG/KG	U	U		445	1
	1,4-Dichlorobenzene	445	UG/KG	U	U		445	1

Station: AT-MW-04
Sample ID: AT0421 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	2,4,5-Trichlorophenol	445	UG/KG	U	U		445	1
	2,4,6-Trichlorophenol	445	UG/KG	U	U		445	1
	2,4-Dichlorophenol	445	UG/KG	U	U		445	1
	2,4-Dimethylphenol	445	UG/KG	U	U		445	1
	2,4-Dinitrophenol	891	UG/KG	U	U		891	1
	2,4-Dinitrotoluene	445	UG/KG	U	U		445	1
	2,6-Dinitrotoluene	445	UG/KG	U	U		445	1
	2-Chloronaphthalene	44.5	UG/KG	U	U		44.5	1
	2-Chlorophenol	445	UG/KG	U	U		445	1
	2-Methyl-4,6-dinitrophenol	445	UG/KG	U	U		445	1
	2-Methylnaphthalene	44.5	UG/KG	U	U		44.5	1
	2-Methylphenol	445	UG/KG	U	U		445	1
	2-Nitrobenzenamine	445	UG/KG	U	U		445	1
	2-Nitrophenol	445	UG/KG	U	U		445	1
	3,3'-Dichlorobenzidine	445	UG/KG	U	U		445	1
	3-Nitrobenzenamine	445	UG/KG	U	U		445	1
	4-Bromophenyl phenyl ether	445	UG/KG	U	U		445	1
	4-Chloro-3-methylphenol	445	UG/KG	U	U		445	1
	4-Chlorobenzenamine	445	UG/KG	U	U		445	1
	4-Chlorophenyl phenyl ether	445	UG/KG	U	U		445	1
	4-Nitrobenzenamine	445	UG/KG	U	U		445	1
	4-Nitrophenol	445	UG/KG	U	U		445	1
	Acenaphthene	44.5	UG/KG	U	U		44.5	1
	Acenaphthylene	44.5	UG/KG	U	U		44.5	1
	Anthracene	44.5	UG/KG	U	U		44.5	1
	Benz(a)anthracene	44.5	UG/KG	U	U		44.5	1
	Benzenemethanol	445	UG/KG	U	U		445	1
	Benzo(a)pyrene	44.5	UG/KG	U	U		44.5	1
	Benzo(b)fluoranthene	44.5	UG/KG	U	U		44.5	1
	Benzo(ghi)perylene	44.5	UG/KG	U	U		44.5	1
	Benzo(k)fluoranthene	44.5	UG/KG	U	U		44.5	1
	Benzoic acid	891	UG/KG	U	U		891	1
	Bis(2-chloroethoxy)methane	445	UG/KG	U	U		445	1
	Bis(2-chloroethyl) ether	445	UG/KG	U	U		445	1
	Bis(2-chloroisopropyl) ether	445	UG/KG	U	U		445	1
	Bis(2-ethylhexyl)phthalate	223	UG/KG	U	U		223	1
	Butyl benzyl phthalate	445	UG/KG	U	U		445	1
	Carbazole	445	UG/KG	U	U		445	1
	Chrysene	44.5	UG/KG	U	U		44.5	1
	Di-n-butyl phthalate	445	UG/KG	U	U		445	1
	Di-n-octylphthalate	445	UG/KG	U	U		445	1
	Dibenz(a,h)anthracene	44.5	UG/KG	U	U		44.5	1
	Dibenzofuran	445	UG/KG	U	U		445	1
	Diethyl phthalate	445	UG/KG	U	U		445	1
	Dimethyl phthalate	445	UG/KG	U	U		445	1
	Diphenylamine	445	UG/KG	U	U		445	1
	Fluoranthene	44.5	UG/KG	U	U		44.5	1
	Fluorene	44.5	UG/KG	U	U		44.5	1
	Hexachlorobenzene	445	UG/KG	U	U		445	1
	Hexachlorobutadiene	445	UG/KG	U	U		445	1
	Hexachlorocyclopentadiene	445	UG/KG	U	U		445	1
	Hexachloroethane	445	UG/KG	U	U		445	1
	Indeno(1,2,3-cd)pyrene	44.5	UG/KG	U	U		44.5	1
	Isophorone	445	UG/KG	U	U		445	1
	m+p Methylphenol	445	UG/KG	U	U		445	1
	N-Nitroso-di-n-propylamine	445	UG/KG	U	U		445	1

Station: AT-MW-04
Sample ID: AT0421 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/10/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Naphthalene	44.5	UG/KG	U	U		44.5	1
	Nitrobenzene	445	UG/KG	U	U		445	1
	Pentachlorophenol	445	UG/KG	U	U		445	1
	Phenanthrene	44.5	UG/KG	U	U		44.5	1
	Phenol	445	UG/KG	U	U		445	1
	Pyrene	44.5	UG/KG	U	U		44.5	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.08	UG/KG	U	U		1.08	1
	1,1,2,2-Tetrachloroethane	1.08	UG/KG	U	U		1.08	1
	1,1,2-Trichloroethane	1.08	UG/KG	U	U		1.08	1
	1,1-Dichloroethane	1.08	UG/KG	U	U		1.08	1
	1,1-Dichloroethene	1.08	UG/KG	U	U		1.08	1
	1,2-Dibromoethane	1.08	UG/KG	U	U		1.08	1
	1,2-Dichloroethane	1.08	UG/KG	U	U		1.08	1
	1,2-Dichloroethene	1.08	UG/KG	U	U		1.08	1
	1,2-Dichloropropane	1.08	UG/KG	U	U		1.08	1
	2-Butanone	5.39	UG/KG	U	U		5.39	1
	2-Hexanone	5.39	UG/KG	U	U		5.39	1
	4-Methyl-2-pentanone	5.39	UG/KG	U	U		5.39	1
	Acetone	4.09	UG/KG	J	J		5.39	1
	Benzene	1.08	UG/KG	U	U		1.08	1
	Bromochloromethane	1.08	UG/KG	U	U		1.08	1
	Bromodichloromethane	1.08	UG/KG	U	U		1.08	1
	Bromoform	1.08	UG/KG	U	U		1.08	1
	Bromomethane	1.08	UG/KG	U	U		1.08	1
	Carbon disulfide	5.39	UG/KG	U	U		5.39	1
	Carbon tetrachloride	1.08	UG/KG	U	U		1.08	1
	Chlorobenzene	1.08	UG/KG	U	U		1.08	1
	Chloroethane	1.08	UG/KG	U	U		1.08	1
	Chloroform	1.08	UG/KG	U	U		1.08	1
	Chloromethane	1.08	UG/KG	U	U		1.08	1
	cis-1,3-Dichloropropene	1.08	UG/KG	U	U		1.08	1
	Dibromochloromethane	1.08	UG/KG	U	U		1.08	1
	Ethylbenzene	1.08	UG/KG	U	U		1.08	1
	Methylene chloride	5.39	UG/KG	U	U		5.39	1
	Styrene	0.343	UG/KG	J	J		1.08	1
	tert-Butyl methyl ether	1.08	UG/KG	U	U		1.08	1
	Tetrachloroethene	1.08	UG/KG	U	U		1.08	1
	Toluene	6.38	UG/KG		=		1.08	1
	trans-1,3-Dichloropropene	1.08	UG/KG	U	U		1.08	1
	Trichloroethene	1.08	UG/KG	U	U		1.08	1
	Vinyl chloride	1.08	UG/KG	U	U		1.08	1
	Xylenes, Total	1.08	UG/KG	U	U		1.08	1

Station: AT-MW-05
Sample ID: AT0521 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.664	MG/KG	U	U		0.664	1
	Barium	5.3	MG/KG		=		0.0399	1
	Cadmium	0.0399	MG/KG	U	U		0.0399	1

Station: AT-MW-05
Sample ID: AT0521 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Chromium	8	MG/KG	N	J	I02	0.133	1
	Lead	4.5	MG/KG		=		0.266	1
SW846 7471A	Mercury	53.8	UG/KG		=		2.62	1
SW846 6010B	Selenium	0.797	MG/KG	U	U		0.797	1
	Silver	0.133	MG/KG	U	U		0.133	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	458	UG/KG	U	U		458	1
	1,2-Dichlorobenzene	458	UG/KG	U	U		458	1
	1,3-Dichlorobenzene	458	UG/KG	U	U		458	1
	1,4-Dichlorobenzene	458	UG/KG	U	U		458	1
	2,4,5-Trichlorophenol	458	UG/KG	U	U		458	1
	2,4,6-Trichlorophenol	458	UG/KG	U	U		458	1
	2,4-Dichlorophenol	458	UG/KG	U	U		458	1
	2,4-Dimethylphenol	458	UG/KG	U	U		458	1
	2,4-Dinitrophenol	916	UG/KG	U	U		916	1
	2,4-Dinitrotoluene	458	UG/KG	U	U		458	1
	2,6-Dinitrotoluene	458	UG/KG	U	U		458	1
	2-Chloronaphthalene	45.8	UG/KG	U	U		45.8	1
	2-Chlorophenol	458	UG/KG	U	U		458	1
	2-Methyl-4,6-dinitrophenol	458	UG/KG	U	U		458	1
	2-Methylnaphthalene	45.8	UG/KG	U	U		45.8	1
	2-Methylphenol	458	UG/KG	U	U		458	1
	2-Nitrobenzenamine	458	UG/KG	U	U		458	1
	2-Nitrophenol	458	UG/KG	U	U		458	1
	3,3'-Dichlorobenzidine	458	UG/KG	U	U		458	1
	3-Nitrobenzenamine	458	UG/KG	U	U		458	1
	4-Bromophenyl phenyl ether	458	UG/KG	U	U		458	1
	4-Chloro-3-methylphenol	458	UG/KG	U	U		458	1
	4-Chlorobenzenamine	458	UG/KG	U	U		458	1
	4-Chlorophenyl phenyl ether	458	UG/KG	U	U		458	1
	4-Nitrobenzenamine	458	UG/KG	U	U		458	1
	4-Nitrophenol	458	UG/KG	U	U		458	1
	Acenaphthene	45.8	UG/KG	U	U		45.8	1
	Acenaphthylene	45.8	UG/KG	U	U		45.8	1
	Anthracene	45.8	UG/KG	U	U		45.8	1
	Benz(a)anthracene	45.8	UG/KG	U	U		45.8	1
	Benzenemethanol	458	UG/KG	U	U		458	1
	Benzo(a)pyrene	45.8	UG/KG	U	U		45.8	1
	Benzo(b)fluoranthene	45.8	UG/KG	U	U		45.8	1
	Benzo(ghi)perylene	45.8	UG/KG	U	U		45.8	1
	Benzo(k)fluoranthene	45.8	UG/KG	U	U		45.8	1
	Benzoic acid	916	UG/KG	U	U		916	1
	Bis(2-chloroethoxy)methane	458	UG/KG	U	U		458	1
	Bis(2-chloroethyl) ether	458	UG/KG	U	U		458	1
	Bis(2-chloroisopropyl) ether	458	UG/KG	U	U		458	1
	Bis(2-ethylhexyl)phthalate	229	UG/KG	U	U		229	1
	Butyl benzyl phthalate	458	UG/KG	U	U		458	1
	Carbazole	458	UG/KG	U	U		458	1
	Chrysene	45.8	UG/KG	U	U		45.8	1
	Di-n-butyl phthalate	458	UG/KG	U	U		458	1
	Di-n-octylphthalate	458	UG/KG	U	U		458	1
	Dibenz(a,h)anthracene	45.8	UG/KG	U	U		45.8	1
	Dibenzofuran	458	UG/KG	U	U		458	1
	Diethyl phthalate	458	UG/KG	U	U		458	1
	Dimethyl phthalate	458	UG/KG	U	U		458	1

Station: AT-MW-05
Sample ID: AT0521 Media: Soil Depth: 4 - 6 FT
Date Collected: 05/11/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Diphenylamine	458	UG/KG	U	U		458	1
	Fluoranthene	45.8	UG/KG	U	U		45.8	1
	Fluorene	45.8	UG/KG	U	U		45.8	1
	Hexachlorobenzene	458	UG/KG	U	U		458	1
	Hexachlorobutadiene	458	UG/KG	U	U		458	1
	Hexachlorocyclopentadiene	458	UG/KG	U	UJ	C05	458	1
	Hexachloroethane	458	UG/KG	U	U		458	1
	Indeno(1,2,3-cd)pyrene	45.8	UG/KG	U	U		45.8	1
	Isophorone	458	UG/KG	U	U		458	1
	m+p Methylphenol	458	UG/KG	U	U		458	1
	N-Nitroso-di-n-propylamine	458	UG/KG	U	U		458	1
	Naphthalene	45.8	UG/KG	U	U		45.8	1
	Nitrobenzene	458	UG/KG	U	U		458	1
	Pentachlorophenol	458	UG/KG	U	U		458	1
	Phenanthrene	45.8	UG/KG	U	U		45.8	1
	Phenol	458	UG/KG	U	U		458	1
	Pyrene	45.8	UG/KG	U	U		45.8	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.91	UG/KG	U	U		1.91	1
	1,1,2,2-Tetrachloroethane	0.667	UG/KG	J	J	G01	1.91	1
	1,1,2-Trichloroethane	1.91	UG/KG	U	U		1.91	1
	1,1-Dichloroethane	1.91	UG/KG	U	U		1.91	1
	1,1-Dichloroethene	1.91	UG/KG	U	U		1.91	1
	1,2-Dibromoethane	1.91	UG/KG	U	U		1.91	1
	1,2-Dichloroethane	1.91	UG/KG	U	U		1.91	1
	1,2-Dichloroethene	1.91	UG/KG	U	U		1.91	1
	1,2-Dichloropropane	1.91	UG/KG	U	U		1.91	1
	2-Butanone	4.16	UG/KG	J	J	G01	9.54	1
	2-Hexanone	9.54	UG/KG	U	U		9.54	1
	4-Methyl-2-pentanone	9.54	UG/KG	U	U		9.54	1
	Acetone	38.5	UG/KG		J	G01	9.54	1
	Benzene	1.91	UG/KG	U	U		1.91	1
	Bromochloromethane	1.91	UG/KG	U	U		1.91	1
	Bromodichloromethane	1.91	UG/KG	U	U		1.91	1
	Bromoform	1.91	UG/KG	U	U		1.91	1
	Bromomethane	1.91	UG/KG	U	U		1.91	1
	Carbon disulfide	2.85	UG/KG	J	J	G01	9.54	1
	Carbon tetrachloride	1.91	UG/KG	U	U		1.91	1
	Chlorobenzene	1.91	UG/KG	U	U		1.91	1
	Chloroethane	1.91	UG/KG	U	U		1.91	1
	Chloroform	1.91	UG/KG	U	U		1.91	1
	Chloromethane	1.91	UG/KG	U	U		1.91	1
	cis-1,3-Dichloropropene	1.91	UG/KG	U	U		1.91	1
	Dibromochloromethane	1.91	UG/KG	U	U		1.91	1
	Ethylbenzene	1.91	UG/KG	U	U		1.91	1
	Methylene chloride	9.54	UG/KG	U	U		9.54	1
	Styrene	0.854	UG/KG	J	J	G01	1.91	1
	tert-Butyl methyl ether	1.91	UG/KG	U	U		1.91	1
	Tetrachloroethene	1.91	UG/KG	U	U		1.91	1
	Toluene	0.633	UG/KG	J	J	G01	1.91	1
	trans-1,3-Dichloropropene	1.91	UG/KG	U	U		1.91	1
	Trichloroethene	1.91	UG/KG	U	U		1.91	1
	Vinyl chloride	1.91	UG/KG	U	U		1.91	1
	Xylenes, Total	1.91	UG/KG	U	U		1.91	1

Station: AT-SS-01
Sample ID: AT0120 Media: Soil Depth: 2 - 4 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.591	MG/KG	U	U		0.591	1
	Barium	1.9	MG/KG		=		0.0355	1
	Cadmium	0.0355	MG/KG	U	U		0.0355	1
	Chromium	1.8	MG/KG	N	J	I02	0.118	1
	Lead	2.5	MG/KG		=		0.237	1
SW846 7471A	Mercury	21.4	UG/KG		=		2.38	1
SW846 6010B	Selenium	0.71	MG/KG	U	U		0.71	1
	Silver	0.118	MG/KG	U	U		0.118	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	408	UG/KG	U	U		408	1
	1,2-Dichlorobenzene	408	UG/KG	U	U		408	1
	1,3-Dichlorobenzene	408	UG/KG	U	U		408	1
	1,4-Dichlorobenzene	408	UG/KG	U	U		408	1
	2,4,5-Trichlorophenol	408	UG/KG	U	U		408	1
	2,4,6-Trichlorophenol	408	UG/KG	U	U		408	1
	2,4-Dichlorophenol	408	UG/KG	U	U		408	1
	2,4-Dimethylphenol	408	UG/KG	U	U		408	1
	2,4-Dinitrophenol	815	UG/KG	U	U		815	1
	2,4-Dinitrotoluene	408	UG/KG	U	U		408	1
	2,6-Dinitrotoluene	408	UG/KG	U	U		408	1
	2-Chloronaphthalene	40.8	UG/KG	U	U		40.8	1
	2-Chlorophenol	408	UG/KG	U	U		408	1
	2-Methyl-4,6-dinitrophenol	408	UG/KG	U	U		408	1
	2-Methylnaphthalene	40.8	UG/KG	U	U		40.8	1
	2-Methylphenol	408	UG/KG	U	U		408	1
	2-Nitrobenzenamine	408	UG/KG	U	U		408	1
	2-Nitrophenol	408	UG/KG	U	U		408	1
	3,3'-Dichlorobenzidine	408	UG/KG	U	U		408	1
	3-Nitrobenzenamine	408	UG/KG	U	U		408	1
	4-Bromophenyl phenyl ether	408	UG/KG	U	U		408	1
	4-Chloro-3-methylphenol	408	UG/KG	U	U		408	1
	4-Chlorobenzenamine	408	UG/KG	U	U		408	1
	4-Chlorophenyl phenyl ether	408	UG/KG	U	U		408	1
	4-Nitrobenzenamine	408	UG/KG	U	U		408	1
	4-Nitrophenol	408	UG/KG	U	U		408	1
	Acenaphthene	40.8	UG/KG	U	U		40.8	1
	Acenaphthylene	40.8	UG/KG	U	U		40.8	1
	Anthracene	40.8	UG/KG	U	U		40.8	1
	Benz(a)anthracene	40.8	UG/KG	U	U		40.8	1
	Benzenemethanol	408	UG/KG	U	U		408	1
	Benzo(a)pyrene	40.8	UG/KG	U	UJ	K01	40.8	1
	Benzo(b)fluoranthene	40.8	UG/KG	U	UJ	K01	40.8	1
	Benzo(ghi)perylene	40.8	UG/KG	U	UJ	K01	40.8	1
	Benzo(k)fluoranthene	40.8	UG/KG	U	UJ	K01	40.8	1
	Benzoic acid	815	UG/KG	U	U		815	1
	Bis(2-chloroethoxy)methane	408	UG/KG	U	U		408	1
	Bis(2-chloroethyl) ether	408	UG/KG	U	U		408	1
	Bis(2-chloroisopropyl) ether	408	UG/KG	U	U		408	1
	Bis(2-ethylhexyl)phthalate	204	UG/KG	U	U		204	1
	Butyl benzyl phthalate	408	UG/KG	U	U		408	1
	Carbazole	408	UG/KG	U	U		408	1
	Chrysene	40.8	UG/KG	U	U		40.8	1
	Di-n-butyl phthalate	408	UG/KG	U	U		408	1
	Di-n-octylphthalate	408	UG/KG	U	UJ	K01	408	1

Station: AT-SS-01
Sample ID: AT0120 Media: Soil Depth: 2 - 4 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Dibenz(a,h)anthracene	40.8	UG/KG	U	UJ	K01	40.8	1
	Dibenzofuran	408	UG/KG	U	U		408	1
	Diethyl phthalate	408	UG/KG	U	U		408	1
	Dimethyl phthalate	408	UG/KG	U	U		408	1
	Diphenylamine	408	UG/KG	U	U		408	1
	Fluoranthene	40.8	UG/KG	U	U		40.8	1
	Fluorene	40.8	UG/KG	U	U		40.8	1
	Hexachlorobenzene	408	UG/KG	U	U		408	1
	Hexachlorobutadiene	408	UG/KG	U	U		408	1
	Hexachlorocyclopentadiene	408	UG/KG	U	UJ	C05	408	1
	Hexachloroethane	408	UG/KG	U	U		408	1
	Indeno(1,2,3-cd)pyrene	40.8	UG/KG	U	UJ	K01	40.8	1
	Isophorone	408	UG/KG	U	U		408	1
	m+p Methylphenol	408	UG/KG	U	U		408	1
	N-Nitroso-di-n-propylamine	408	UG/KG	U	U		408	1
	Naphthalene	40.8	UG/KG	U	U		40.8	1
	Nitrobenzene	408	UG/KG	U	U		408	1
	Pentachlorophenol	408	UG/KG	U	U		408	1
	Phenanthrene	40.8	UG/KG	U	U		40.8	1
	Phenol	408	UG/KG	U	U		408	1
	Pyrene	40.8	UG/KG	U	U		40.8	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.09	UG/KG	U	U		1.09	1
	1,1,2,2-Tetrachloroethane	1.09	UG/KG	U	U		1.09	1
	1,1,2-Trichloroethane	1.09	UG/KG	U	U		1.09	1
	1,1-Dichloroethane	1.09	UG/KG	U	U		1.09	1
	1,1-Dichloroethene	1.09	UG/KG	U	U		1.09	1
	1,2-Dibromoethane	1.09	UG/KG	U	U		1.09	1
	1,2-Dichloroethane	1.09	UG/KG	U	U		1.09	1
	1,2-Dichloroethene	1.09	UG/KG	U	U		1.09	1
	1,2-Dichloropropane	1.09	UG/KG	U	U		1.09	1
	2-Butanone	5.46	UG/KG	U	U		5.46	1
	2-Hexanone	5.46	UG/KG	U	U		5.46	1
	4-Methyl-2-pentanone	5.46	UG/KG	U	U		5.46	1
	Acetone	5.46	UG/KG	U	U		5.46	1
	Benzene	1.09	UG/KG	U	U		1.09	1
	Bromochloromethane	1.09	UG/KG	U	U		1.09	1
	Bromodichloromethane	1.09	UG/KG	U	U		1.09	1
	Bromoform	1.09	UG/KG	U	U		1.09	1
	Bromomethane	1.09	UG/KG	U	U		1.09	1
	Carbon disulfide	5.46	UG/KG	U	U		5.46	1
	Carbon tetrachloride	1.09	UG/KG	U	U		1.09	1
	Chlorobenzene	1.09	UG/KG	U	U		1.09	1
	Chloroethane	1.09	UG/KG	U	U		1.09	1
	Chloroform	1.09	UG/KG	U	U		1.09	1
	Chloromethane	1.09	UG/KG	U	U		1.09	1
	cis-1,3-Dichloropropene	1.09	UG/KG	U	U		1.09	1
	Dibromochloromethane	1.09	UG/KG	U	U		1.09	1
	Ethylbenzene	1.09	UG/KG	U	U		1.09	1
	Methylene chloride	5.46	UG/KG	U	U		5.46	1
	Styrene	0.285	UG/KG	J	J		1.09	1
	tert-Butyl methyl ether	1.09	UG/KG	U	U		1.09	1
	Tetrachloroethene	1.09	UG/KG	U	U		1.09	1
	Toluene	1.09	UG/KG	U	U		1.09	1
	trans-1,3-Dichloropropene	1.09	UG/KG	U	U		1.09	1

Station: AT-SS-01
Sample ID: AT0120 Media: Soil Depth: 2 - 4 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	Trichloroethene	1.09	UG/KG	U	U		1.09	1
	Vinyl chloride	1.09	UG/KG	U	U		1.09	1
	Xylenes, Total	1.09	UG/KG	U	U		1.09	1

Station: AT-SS-02
Sample ID: AT0220 Media: Soil Depth: 2 - 4 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.85	MG/KG	B	J		0.595	1
	Barium	7.8	MG/KG		=		0.0357	1
	Cadmium	0.0357	MG/KG	U	U		0.0357	1
	Chromium	2.8	MG/KG	N	J	I02	0.119	1
	Lead	4.5	MG/KG		=		0.238	1
SW846 7471A	Mercury	31.3	UG/KG		=		2.47	1
SW846 6010B	Selenium	0.714	MG/KG	U	U		0.714	1
	Silver	0.119	MG/KG	U	U		0.119	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	404	UG/KG	U	U		404	1
	1,2-Dichlorobenzene	404	UG/KG	U	U		404	1
	1,3-Dichlorobenzene	404	UG/KG	U	U		404	1
	1,4-Dichlorobenzene	404	UG/KG	U	U		404	1
	2,4,5-Trichlorophenol	404	UG/KG	U	U		404	1
	2,4,6-Trichlorophenol	404	UG/KG	U	U		404	1
	2,4-Dichlorophenol	404	UG/KG	U	U		404	1
	2,4-Dimethylphenol	404	UG/KG	U	U		404	1
	2,4-Dinitrophenol	809	UG/KG	U	U		809	1
	2,4-Dinitrotoluene	404	UG/KG	U	U		404	1
	2,6-Dinitrotoluene	404	UG/KG	U	U		404	1
	2-Chloronaphthalene	40.4	UG/KG	U	U		40.4	1
	2-Chlorophenol	404	UG/KG	U	U		404	1
	2-Methyl-4,6-dinitrophenol	404	UG/KG	U	U		404	1
	2-Methylnaphthalene	40.4	UG/KG	U	U		40.4	1
	2-Methylphenol	404	UG/KG	U	U		404	1
	2-Nitrobenzenamine	404	UG/KG	U	U		404	1
	2-Nitrophenol	404	UG/KG	U	U		404	1
	3,3'-Dichlorobenzidine	404	UG/KG	U	U		404	1
	3-Nitrobenzenamine	404	UG/KG	U	U		404	1
	4-Bromophenyl phenyl ether	404	UG/KG	U	U		404	1
	4-Chloro-3-methylphenol	404	UG/KG	U	U		404	1
	4-Chlorobenzenamine	404	UG/KG	U	U		404	1
	4-Chlorophenyl phenyl ether	404	UG/KG	U	U		404	1
	4-Nitrobenzenamine	404	UG/KG	U	U		404	1
	4-Nitrophenol	404	UG/KG	U	U		404	1
	Acenaphthene	40.4	UG/KG	U	U		40.4	1
	Acenaphthylene	40.4	UG/KG	U	U		40.4	1
	Anthracene	40.4	UG/KG	U	U		40.4	1
	Benz(a)anthracene	40.4	UG/KG	U	U		40.4	1
	Benzenemethanol	404	UG/KG	U	U		404	1
	Benzo(a)pyrene	40.4	UG/KG	U	U		40.4	1
	Benzo(b)fluoranthene	40.4	UG/KG	U	U		40.4	1
	Benzo(ghi)perylene	40.4	UG/KG	U	U		40.4	1

Station: AT-SS-02
Sample ID: AT0220 Media: Soil Depth: 2 - 4 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	Benzo(k)fluoranthene	40.4	UG/KG	U	U		40.4	1
	Benzoic acid	809	UG/KG	U	U		809	1
	Bis(2-chloroethoxy)methane	404	UG/KG	U	U		404	1
	Bis(2-chloroethyl) ether	404	UG/KG	U	U		404	1
	Bis(2-chloroisopropyl) ether	404	UG/KG	U	U		404	1
	Bis(2-ethylhexyl)phthalate	202	UG/KG	U	U		202	1
	Butyl benzyl phthalate	404	UG/KG	U	U		404	1
	Carbazole	404	UG/KG	U	U		404	1
	Chrysene	40.4	UG/KG	U	U		40.4	1
	Di-n-butyl phthalate	404	UG/KG	U	U		404	1
	Di-n-octylphthalate	404	UG/KG	U	U		404	1
	Dibenz(a,h)anthracene	40.4	UG/KG	U	U		40.4	1
	Dibenzofuran	404	UG/KG	U	U		404	1
	Diethyl phthalate	404	UG/KG	U	U		404	1
	Dimethyl phthalate	404	UG/KG	U	U		404	1
	Diphenylamine	404	UG/KG	U	U		404	1
	Fluoranthene	40.4	UG/KG	U	U		40.4	1
	Fluorene	40.4	UG/KG	U	U		40.4	1
	Hexachlorobenzene	404	UG/KG	U	U		404	1
	Hexachlorobutadiene	404	UG/KG	U	U		404	1
	Hexachlorocyclopentadiene	404	UG/KG	U	U		404	1
	Hexachloroethane	404	UG/KG	U	U		404	1
	Indeno(1,2,3-cd)pyrene	40.4	UG/KG	U	U		40.4	1
	Isophorone	404	UG/KG	U	U		404	1
	m+p Methylphenol	404	UG/KG	U	U		404	1
	N-Nitroso-di-n-propylamine	404	UG/KG	U	U		404	1
	Naphthalene	40.4	UG/KG	U	U		40.4	1
	Nitrobenzene	404	UG/KG	U	U		404	1
	Pentachlorophenol	404	UG/KG	U	U		404	1
	Phenanthrene	40.4	UG/KG	U	U		40.4	1
	Phenol	404	UG/KG	U	U		404	1
	Pyrene	40.4	UG/KG	U	U		40.4	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.17	UG/KG	U	U		1.17	1
	1,1,2,2-Tetrachloroethane	1.17	UG/KG	U	U		1.17	1
	1,1,2-Trichloroethane	1.17	UG/KG	U	U		1.17	1
	1,1-Dichloroethane	1.17	UG/KG	U	U		1.17	1
	1,1-Dichloroethene	1.17	UG/KG	U	U		1.17	1
	1,2-Dibromoethane	1.17	UG/KG	U	U		1.17	1
	1,2-Dichloroethane	1.17	UG/KG	U	U		1.17	1
	1,2-Dichloroethene	1.17	UG/KG	U	U		1.17	1
	1,2-Dichloropropane	1.17	UG/KG	U	U		1.17	1
	2-Butanone	5.83	UG/KG	U	U		5.83	1
	2-Hexanone	5.83	UG/KG	U	U		5.83	1
	4-Methyl-2-pentanone	5.83	UG/KG	U	U		5.83	1
	Acetone	3.46	UG/KG	J	J		5.83	1
	Benzene	1.17	UG/KG	U	U		1.17	1
	Bromochloromethane	1.17	UG/KG	U	U		1.17	1
	Bromodichloromethane	1.17	UG/KG	U	U		1.17	1
	Bromoform	1.17	UG/KG	U	U		1.17	1
	Bromomethane	1.17	UG/KG	U	U		1.17	1
	Carbon disulfide	3.5	UG/KG	J	J		5.83	1
	Carbon tetrachloride	1.17	UG/KG	U	U		1.17	1
	Chlorobenzene	1.17	UG/KG	U	U		1.17	1
	Chloroethane	1.17	UG/KG	U	U		1.17	1

Station: AT-SS-02
Sample ID: AT0220 Media: Soil Depth: 2 - 4 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	Chloroform	1.17	UG/KG	U	U		1.17	1
	Chloromethane	1.17	UG/KG	U	U		1.17	1
	cis-1,3-Dichloropropene	1.17	UG/KG	U	U		1.17	1
	Dibromochloromethane	1.17	UG/KG	U	U		1.17	1
	Ethylbenzene	1.17	UG/KG	U	U		1.17	1
	Methylene chloride	5.83	UG/KG	U	U		5.83	1
	Styrene	0.283	UG/KG	J	J		1.17	1
	tert-Butyl methyl ether	1.17	UG/KG	U	U		1.17	1
	Tetrachloroethene	1.17	UG/KG	U	U		1.17	1
	Toluene	1.17	UG/KG	U	U		1.17	1
	trans-1,3-Dichloropropene	1.17	UG/KG	U	U		1.17	1
	Trichloroethene	1.17	UG/KG	U	U		1.17	1
	Vinyl chloride	1.17	UG/KG	U	U		1.17	1
	Xylenes, Total	1.17	UG/KG	U	U		1.17	1

Station: AT-SS-03
Sample ID: AT0320 Media: Soil Depth: 2 - 4 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Inorganics	General Engineering Laboratory							
SW846 6010B	Arsenic	0.596	MG/KG	U	U		0.596	1
	Barium	6.8	MG/KG		=		0.0357	1
	Cadmium	0.0357	MG/KG	U	U		0.0357	1
	Chromium	3.7	MG/KG	N	J	I02	0.119	1
	Lead	5.2	MG/KG		=		0.238	1
SW846 7471A	Mercury	54.4	UG/KG		=		2.15	1
SW846 6010B	Selenium	0.715	MG/KG	U	U		0.715	1
	Silver	0.119	MG/KG	U	U		0.119	1
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	1,2,4-Trichlorobenzene	401	UG/KG	U	U		401	1
	1,2-Dichlorobenzene	401	UG/KG	U	U		401	1
	1,3-Dichlorobenzene	401	UG/KG	U	U		401	1
	1,4-Dichlorobenzene	401	UG/KG	U	U		401	1
	2,4,5-Trichlorophenol	401	UG/KG	U	U		401	1
	2,4,6-Trichlorophenol	401	UG/KG	U	U		401	1
	2,4-Dichlorophenol	401	UG/KG	U	U		401	1
	2,4-Dimethylphenol	401	UG/KG	U	U		401	1
	2,4-Dinitrophenol	802	UG/KG	U	U		802	1
	2,4-Dinitrotoluene	401	UG/KG	U	U		401	1
	2,6-Dinitrotoluene	401	UG/KG	U	U		401	1
	2-Chloronaphthalene	40.1	UG/KG	U	U		40.1	1
	2-Chlorophenol	401	UG/KG	U	U		401	1
	2-Methyl-4,6-dinitrophenol	401	UG/KG	U	U		401	1
	2-Methylnaphthalene	40.1	UG/KG	U	U		40.1	1
	2-Methylphenol	401	UG/KG	U	U		401	1
	2-Nitrobenzenamine	401	UG/KG	U	U		401	1
	2-Nitrophenol	401	UG/KG	U	U		401	1
	3,3'-Dichlorobenzidine	401	UG/KG	U	U		401	1
	3-Nitrobenzenamine	401	UG/KG	U	U		401	1
	4-Bromophenyl phenyl ether	401	UG/KG	U	U		401	1
	4-Chloro-3-methylphenol	401	UG/KG	U	U		401	1
	4-Chlorobenzenamine	401	UG/KG	U	U		401	1

Station: AT-SS-03
Sample ID: AT0320 Media: Soil Depth: 2 - 4 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory							
SW846 8270C	4-Chlorophenyl phenyl ether	401	UG/KG	U	U		401	1
	4-Nitrobenzenamine	401	UG/KG	U	U		401	1
	4-Nitrophenol	401	UG/KG	U	U		401	1
	Acenaphthene	40.1	UG/KG	U	U		40.1	1
	Acenaphthylene	40.1	UG/KG	U	U		40.1	1
	Anthracene	40.1	UG/KG	U	U		40.1	1
	Benz(a)anthracene	40.1	UG/KG	U	U		40.1	1
	Benzenemethanol	401	UG/KG	U	U		401	1
	Benzo(a)pyrene	40.1	UG/KG	U	U		40.1	1
	Benzo(b)fluoranthene	40.1	UG/KG	U	U		40.1	1
	Benzo(ghi)perylene	40.1	UG/KG	U	U		40.1	1
	Benzo(k)fluoranthene	40.1	UG/KG	U	U		40.1	1
	Benzoic acid	802	UG/KG	U	U		802	1
	Bis(2-chloroethoxy)methane	401	UG/KG	U	U		401	1
	Bis(2-chloroethyl) ether	401	UG/KG	U	U		401	1
	Bis(2-chloroisopropyl) ether	401	UG/KG	U	U		401	1
	Bis(2-ethylhexyl)phthalate	201	UG/KG	U	U		201	1
	Butyl benzyl phthalate	401	UG/KG	U	U		401	1
	Carbazole	401	UG/KG	U	U		401	1
	Chrysene	40.1	UG/KG	U	U		40.1	1
	Di-n-butyl phthalate	401	UG/KG	U	U		401	1
	Di-n-octylphthalate	401	UG/KG	U	U		401	1
	Dibenz(a,h)anthracene	40.1	UG/KG	U	U		40.1	1
	Dibenzofuran	401	UG/KG	U	U		401	1
	Diethyl phthalate	401	UG/KG	U	U		401	1
	Dimethyl phthalate	401	UG/KG	U	U		401	1
	Diphenylamine	401	UG/KG	U	U		401	1
	Fluoranthene	40.1	UG/KG	U	U		40.1	1
	Fluorene	40.1	UG/KG	U	U		40.1	1
	Hexachlorobenzene	401	UG/KG	U	U		401	1
	Hexachlorobutadiene	401	UG/KG	U	U		401	1
	Hexachlorocyclopentadiene	401	UG/KG	U	UJ	C05	401	1
	Hexachloroethane	401	UG/KG	U	U		401	1
	Indeno(1,2,3-cd)pyrene	40.1	UG/KG	U	U		40.1	1
	Isophorone	401	UG/KG	U	U		401	1
	m+p Methylphenol	401	UG/KG	U	U		401	1
	N-Nitroso-di-n-propylamine	401	UG/KG	U	U		401	1
	Naphthalene	40.1	UG/KG	U	U		40.1	1
	Nitrobenzene	401	UG/KG	U	U		401	1
	Pentachlorophenol	401	UG/KG	U	U		401	1
	Phenanthrene	40.1	UG/KG	U	U		40.1	1
	Phenol	401	UG/KG	U	U		401	1
	Pyrene	40.1	UG/KG	U	U		40.1	1
Volatile Organics	General Engineering Laboratory							
SW846 8260B	1,1,1-Trichloroethane	1.09	UG/KG	U	U		1.09	1
	1,1,2,2-Tetrachloroethane	1.09	UG/KG	U	U		1.09	1
	1,1,2-Trichloroethane	1.09	UG/KG	U	U		1.09	1
	1,1-Dichloroethane	1.09	UG/KG	U	U		1.09	1
	1,1-Dichloroethene	1.09	UG/KG	U	U		1.09	1
	1,2-Dibromoethane	1.09	UG/KG	U	U		1.09	1
	1,2-Dichloroethane	1.09	UG/KG	U	U		1.09	1
	1,2-Dichloroethene	1.09	UG/KG	U	U		1.09	1
	1,2-Dichloropropane	1.09	UG/KG	U	U		1.09	1
	2-Butanone	5.47	UG/KG	U	U		5.47	1
	2-Hexanone	5.47	UG/KG	U	U		5.47	1

Station: AT-SS-03
Sample ID: AT0320 Media: Soil Depth: 2 - 4 FT
Date Collected: 05/12/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Validation Code	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory							
SW846 8260B	4-Methyl-2-pentanone	5.47	UG/KG	U	U		5.47	1
	Acetone	9.95	UG/KG		=		5.47	1
	Benzene	1.09	UG/KG	U	U		1.09	1
	Bromochloromethane	1.09	UG/KG	U	U		1.09	1
	Bromodichloromethane	1.09	UG/KG	U	U		1.09	1
	Bromoform	1.09	UG/KG	U	U		1.09	1
	Bromomethane	1.09	UG/KG	U	U		1.09	1
	Carbon disulfide	5.47	UG/KG	U	U		5.47	1
	Carbon tetrachloride	1.09	UG/KG	U	U		1.09	1
	Chlorobenzene	1.09	UG/KG	U	U		1.09	1
	Chloroethane	1.09	UG/KG	U	U		1.09	1
	Chloroform	1.09	UG/KG	U	U		1.09	1
	Chloromethane	1.09	UG/KG	U	U		1.09	1
	cis-1,3-Dichloropropene	1.09	UG/KG	U	U		1.09	1
	Dibromochloromethane	1.09	UG/KG	U	U		1.09	1
	Ethylbenzene	1.09	UG/KG	U	U		1.09	1
	Methylene chloride	5.47	UG/KG	U	U		5.47	1
	Styrene	0.289	UG/KG	J	J		1.09	1
	tert-Butyl methyl ether	1.09	UG/KG	U	U		1.09	1
	Tetrachloroethene	1.09	UG/KG	U	U		1.09	1
	Toluene	1.09	UG/KG	U	U		1.09	1
	trans-1,3-Dichloropropene	1.09	UG/KG	U	U		1.09	1
	Trichloroethene	1.09	UG/KG	U	U		1.09	1
	Vinyl chloride	1.09	UG/KG	U	U		1.09	1
	Xylenes, Total	1.09	UG/KG	U	U		1.09	1

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CHAIN OF CUSTODY RECORD 162706.1 COC NO.: HPF001

PROJECT NAME: Hunter Purge Facility

PROJECT NUMBER: 01-1055-04-8330-200

PROJECT MANAGER: Patty Stoll

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

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod Charleston, SC 29407

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC	RCRA Metals	No. of Bottles/Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
AT0421	5/10/06	1450	Soil	1	1	1	3		
AT0321		1350		1	1	1	3		
AT0323		1350		1	1	1	3		
AT0221		1230		1	1	1	3		
AT0313		1345		1	1	1	3		
AT0411		1430		1	1	1	3		
AT0311		1345		1	1	1	3		
AT0211	↓	1220	↓	1	1	1	3		

P A Stoll 5/11/06

RELINQUISHED BY: P A Stoll	Date/Time 5/11/06 1121	RECEIVED BY:	Date/Time 5/11/06 1121	TOTAL NUMBER OF CONTAINERS: 24	Cooler Temperature: 4°C
COMPANY NAME: SAIC		COMPANY NAME: GEE		Cooler ID: #2	FEDEX NUMBER: N/A
RECEIVED BY: K. Wood	Date/Time 5/11/06 1403	RELINQUISHED BY:	Date/Time 5/11/06 1403		
COMPANY NAME:		COMPANY NAME: GEE			
RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time		
COMPANY NAME:		COMPANY NAME:			

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CHAIN OF CUSTODY RECORD 162814.1

COC NO.: HPFØØ2

PROJECT NAME: Hunter Purge Facility

PROJECT NUMBER: 01-1055-04-8330-200

PROJECT MANAGER: Patty Stoll

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

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	VOC	SVOC	RCRA Metals	No. of Bottles/Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
ATØ121	5/11/06	0940	SOIL	1	1	1	3		
ATØ521	"	0840	"	1	1	1	3		
ATØ511	"	0825	"	1	1	1	3		
ATØ111	"	0930	"	1	1	1	3		
ATØ22Ø	5/12/06	1035	"	1	1	1	3		
ATØ31Ø	"	1030	"	1	1	1	3		
ATØ11Ø	"	0940	"	1	1	1	3		
ATØ21Ø	"	1030	"	1	1	1	3		
ATØ12Ø	"	1000	"	1	1	1	3		
ATØ32Ø	"	1100	"	1	1	1	3		

REQUESTED PARAMETERS: P Stoll 5/12/06

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 30	Cooler Temperature: 4°C
Patricia A Stoll	5/12/06 1140			Cooler ID: 415	FEDEX NUMBER: N/A
COMPANY NAME: SAIC		COMPANY NAME:			
RECEIVED BY: Ben Watters	Date/Time 5/12/06 1140	RELINQUISHED BY:	Date/Time		
COMPANY NAME: Rel		COMPANY NAME:			
RELINQUISHED BY: Ben Watters	Date/Time 5-12-06 1510	RECEIVED BY:	Date/Time 5/12/06 1510		
COMPANY NAME: Rel		COMPANY NAME: GEL			

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ANALYTICAL DATA AND CHAIN-OF-CUSTODY FORMS FOR GROUNDWATER
JULY 2006

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Station: AT-MW-01
Sample ID: AT0112 Media: Groundwater
Date Collected: 07/23/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Inorganics	General Engineering Laboratory						
SW846 6010	Arsenic	4	UG/L	U	U	4	1
	Barium	40.5	UG/L		=	0.3	1
	Cadmium	0.51	UG/L	B	J	0.3	1
	Chromium	16.1	UG/L		=	1	1
	Lead	2	UG/L	U	U	2	1
SW846 7470	Mercury	0.041	UG/L	U	U	0.041	1
SW846 6010	Selenium	7	UG/L	U	U	7	1
	Silver	1	UG/L	U	U	1	1
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	1,2,4-Trichlorobenzene	10	UG/L	U	UJ	10	1
	1,2-Dichlorobenzene	10	UG/L	U	UJ	10	1
	1,3-Dichlorobenzene	10	UG/L	U	UJ	10	1
	1,4-Dichlorobenzene	10	UG/L	U	UJ	10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U	10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U	10	1
	2,4-Dichlorophenol	10	UG/L	U	U	10	1
	2,4-Dimethylphenol	10	UG/L	U	U	10	1
	2,4-Dinitrophenol	20	UG/L	U	U	20	1
	2,4-Dinitrotoluene	10	UG/L	U	UJ	10	1
	2,6-Dinitrotoluene	10	UG/L	U	UJ	10	1
	2-Chloronaphthalene	1	UG/L	U	UJ	1	1
	2-Chlorophenol	10	UG/L	U	U	10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U	10	1
	2-Methylnaphthalene	1	UG/L	U	UJ	1	1
	2-Methylphenol	10	UG/L	U	U	10	1
	2-Nitrobenzenamine	10	UG/L	U	UJ	10	1
	2-Nitrophenol	10	UG/L	U	U	10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	UJ	10	1
	3-Nitrobenzenamine	10	UG/L	U	UJ	10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	UJ	10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U	10	1
	4-Chlorobenzenamine	10	UG/L	U	UJ	10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	UJ	10	1
	4-Nitrobenzenamine	10	UG/L	U	UJ	10	1
	4-Nitrophenol	10	UG/L	U	U	10	1
	Acenaphthene	1	UG/L	U	UJ	1	1
	Acenaphthylene	1	UG/L	U	UJ	1	1
	Anthracene	1	UG/L	U	UJ	1	1
	Benz(a)anthracene	1	UG/L	U	UJ	1	1
	Benzenemethanol	10	UG/L	U	U	10	1
	Benzo(a)pyrene	1	UG/L	U	UJ	1	1
	Benzo(b)fluoranthene	1	UG/L	U	UJ	1	1
	Benzo(ghi)perylene	1	UG/L	U	UJ	1	1
	Benzo(k)fluoranthene	1	UG/L	U	UJ	1	1
	Benzoic acid	20	UG/L	U	U	20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	UJ	10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	UJ	10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	UJ	10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	UJ	10	1
	Butyl benzyl phthalate	10	UG/L	U	UJ	10	1
	Carbazole	10	UG/L	U	UJ	10	1
	Chrysene	1	UG/L	U	UJ	1	1
	Di-n-butyl phthalate	10	UG/L	U	UJ	10	1
	Di-n-octylphthalate	10	UG/L	U	UJ	10	1
	Dibenz(a,h)anthracene	1	UG/L	U	UJ	1	1

Station: AT-MW-01
Sample ID: AT0112 Media: Groundwater
Date Collected: 07/23/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	Dibenzofuran	10	UG/L	U	UJ	10	1
	Diethyl phthalate	10	UG/L	U	UJ	10	1
	Dimethyl phthalate	10	UG/L	U	UJ	10	1
	Diphenylamine	10	UG/L	U	UJ	10	1
	Fluoranthene	1	UG/L	U	UJ	1	1
	Fluorene	1	UG/L	U	UJ	1	1
	Hexachlorobenzene	10	UG/L	U	UJ	10	1
	Hexachlorobutadiene	10	UG/L	U	UJ	10	1
	Hexachlorocyclopentadiene	10	UG/L	U	UJ	10	1
	Hexachloroethane	10	UG/L	U	UJ	10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	UJ	1	1
	Isophorone	10	UG/L	U	UJ	10	1
	m+p Methylphenol	10	UG/L	U	U	10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	UJ	10	1
	Naphthalene	1	UG/L	U	UJ	1	1
	Nitrobenzene	10	UG/L	U	UJ	10	1
	Pentachlorophenol	10	UG/L	U	U	10	1
	Phenanthrene	1	UG/L	U	UJ	1	1
	Phenol	10	UG/L	U	U	10	1
	Pyrene	1	UG/L	U	UJ	1	1
Volatile Organics	General Engineering Laboratory						
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	UJ	1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U	1	1
	1,1,2-Trichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dibromoethane	1	UG/L	U	U	1	1
	1,2-Dichloroethane	1	UG/L	U	U	1	1
	1,2-Dichloroethene	1.13	UG/L		=	1	1
	1,2-Dichloropropane	1	UG/L	U	U	1	1
	2-Butanone	5	UG/L	U	U	5	1
	2-Hexanone	5	UG/L	U	U	5	1
	4-Methyl-2-pentanone	5	UG/L	U	U	5	1
	Acetone	1.64	UG/L	J	J	5	1
	Benzene	1	UG/L	U	U	1	1
	Bromochloromethane	1	UG/L	U	U	1	1
	Bromodichloromethane	1	UG/L	U	U	1	1
	Bromoform	1	UG/L	U	U	1	1
	Bromomethane	1	UG/L	U	U	1	1
	Carbon disulfide	5	UG/L	U	U	5	1
	Carbon tetrachloride	1	UG/L	U	UJ	1	1
	Chlorobenzene	1	UG/L	U	U	1	1
	Chloroethane	1	UG/L	U	U	1	1
	Chloroform	1	UG/L	U	U	1	1
	Chloromethane	1	UG/L	U	U	1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Dibromochloromethane	1	UG/L	U	U	1	1
	Ethylbenzene	1	UG/L	U	U	1	1
	Methylene chloride	5	UG/L	U	U	5	1
	Styrene	1	UG/L	U	U	1	1
	tert-Butyl methyl ether	1	UG/L	U	U	1	1
	Tetrachloroethene	1	UG/L	U	U	1	1
	Toluene	0.396	UG/L	J	J	1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Trichloroethene	34.8	UG/L		=	1	1

Station: AT-MW-01
Sample ID: AT0112 Media: Groundwater
Date Collected: 07/23/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						
SW846 8260B	Vinyl chloride	1	UG/L	U	U	1	1
	Xylenes, Total	0.496	UG/L	J	J	1	1

Station: AT-MW-02
Sample ID: AT0212 Media: Groundwater
Date Collected: 07/23/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Inorganics	General Engineering Laboratory						
SW846 6010	Arsenic	4	UG/L	U	U	4	1
	Barium	12.1	UG/L		=	0.3	1
	Cadmium	0.3	UG/L	U	U	0.3	1
	Chromium	1.3	UG/L	B	J	1	1
	Lead	2	UG/L	U	U	2	1
SW846 7470	Mercury	0.041	UG/L	U	U	0.041	1
SW846 6010	Selenium	7	UG/L	U	U	7	1
	Silver	1	UG/L	U	U	1	1
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	1,2,4-Trichlorobenzene	10	UG/L	U	U	10	1
	1,2-Dichlorobenzene	10	UG/L	U	U	10	1
	1,3-Dichlorobenzene	10	UG/L	U	U	10	1
	1,4-Dichlorobenzene	10	UG/L	U	U	10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U	10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U	10	1
	2,4-Dichlorophenol	10	UG/L	U	U	10	1
	2,4-Dimethylphenol	10	UG/L	U	U	10	1
	2,4-Dinitrophenol	20	UG/L	U	U	20	1
	2,4-Dinitrotoluene	10	UG/L	U	U	10	1
	2,6-Dinitrotoluene	10	UG/L	U	U	10	1
	2-Chloronaphthalene	1	UG/L	U	U	1	1
	2-Chlorophenol	10	UG/L	U	U	10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U	10	1
	2-Methylnaphthalene	1	UG/L	U	U	1	1
	2-Methylphenol	10	UG/L	U	U	10	1
	2-Nitrobenzenamine	10	UG/L	U	U	10	1
	2-Nitrophenol	10	UG/L	U	U	10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U	10	1
	3-Nitrobenzenamine	10	UG/L	U	U	10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U	10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U	10	1
	4-Chlorobenzenamine	10	UG/L	U	U	10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U	10	1
	4-Nitrobenzenamine	10	UG/L	U	U	10	1
	4-Nitrophenol	10	UG/L	U	U	10	1
	Acenaphthene	1	UG/L	U	U	1	1
	Acenaphthylene	1	UG/L	U	U	1	1
	Anthracene	1	UG/L	U	U	1	1
	Benz(a)anthracene	1	UG/L	U	U	1	1
	Benzenemethanol	10	UG/L	U	U	10	1
	Benzo(a)pyrene	1	UG/L	U	U	1	1
	Benzo(b)fluoranthene	1	UG/L	U	U	1	1
	Benzo(ghi)perylene	1	UG/L	U	U	1	1
	Benzo(k)fluoranthene	1	UG/L	U	U	1	1

Station: AT-MW-02
Sample ID: AT0212 Media: Groundwater
Date Collected: 07/23/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	Benzoic acid	20	UG/L	U	U	20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U	10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U	10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U	10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	10	1
	Butyl benzyl phthalate	10	UG/L	U	U	10	1
	Carbazole	10	UG/L	U	U	10	1
	Chrysene	1	UG/L	U	U	1	1
	Di-n-butyl phthalate	10	UG/L	U	U	10	1
	Di-n-octylphthalate	10	UG/L	U	U	10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U	1	1
	Dibenzofuran	10	UG/L	U	U	10	1
	Diethyl phthalate	10	UG/L	U	U	10	1
	Dimethyl phthalate	10	UG/L	U	U	10	1
	Diphenylamine	10	UG/L	U	U	10	1
	Fluoranthene	1	UG/L	U	U	1	1
	Fluorene	1	UG/L	U	U	1	1
	Hexachlorobenzene	10	UG/L	U	U	10	1
	Hexachlorobutadiene	10	UG/L	U	U	10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U	10	1
	Hexachloroethane	10	UG/L	U	U	10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U	1	1
	Isophorone	10	UG/L	U	U	10	1
	m+p Methylphenol	10	UG/L	U	U	10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U	10	1
	Naphthalene	0.548	UG/L	J	J	1	1
	Nitrobenzene	10	UG/L	U	U	10	1
	Pentachlorophenol	10	UG/L	U	U	10	1
	Phenanthrene	1	UG/L	U	U	1	1
	Phenol	10	UG/L	U	U	10	1
	Pyrene	1	UG/L	U	U	1	1
Volatile Organics	General Engineering Laboratory						
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	UJ	1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U	1	1
	1,1,2-Trichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dibromoethane	1	UG/L	U	U	1	1
	1,2-Dichloroethane	1	UG/L	U	U	1	1
	1,2-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dichloropropane	1	UG/L	U	U	1	1
	2-Butanone	5	UG/L	U	U	5	1
	2-Hexanone	5	UG/L	U	U	5	1
	4-Methyl-2-pentanone	5	UG/L	U	U	5	1
	Acetone	5	UG/L	U	U	5	1
	Benzene	1	UG/L	U	U	1	1
	Bromochloromethane	1	UG/L	U	U	1	1
	Bromodichloromethane	1	UG/L	U	U	1	1
	Bromoform	1	UG/L	U	U	1	1
	Bromomethane	1	UG/L	U	U	1	1
	Carbon disulfide	5	UG/L	U	U	5	1
	Carbon tetrachloride	1	UG/L	U	UJ	1	1
	Chlorobenzene	1	UG/L	U	U	1	1
	Chloroethane	1	UG/L	U	U	1	1
	Chloroform	1	UG/L	U	U	1	1

Station: AT-MW-02
Sample ID: AT0212 Media: Groundwater
Date Collected: 07/23/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						
SW846 8260B	Chloromethane	1	UG/L	U	U	1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Dibromochloromethane	1	UG/L	U	U	1	1
	Ethylbenzene	0.828	UG/L	J	J	1	1
	Methylene chloride	5	UG/L	U	U	5	1
	Styrene	1	UG/L	U	U	1	1
	tert-Butyl methyl ether	1	UG/L	U	U	1	1
	Tetrachloroethene	1	UG/L	U	U	1	1
	Toluene	0.402	UG/L	J	J	1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Trichloroethene	1	UG/L	U	U	1	1
	Vinyl chloride	1	UG/L	U	U	1	1
	Xylenes, Total	1.07	UG/L		=	1	1

Station: AT-MW-03
Sample ID: AT0312 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Inorganics	General Engineering Laboratory						
SW846 6010	Arsenic	4	UG/L	U	U	4	1
	Barium	60.3	UG/L		=	0.3	1
	Cadmium	0.3	UG/L	U	U	0.3	1
	Chromium	1.8	UG/L	B	J	1	1
	Lead	2	UG/L	U	U	2	1
SW846 7470	Mercury	0.041	UG/L	U	U	0.041	1
SW846 6010	Selenium	7	UG/L	U	U	7	1
	Silver	1	UG/L	U	U	1	1
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	1,2,4-Trichlorobenzene	10	UG/L	U	U	10	1
	1,2-Dichlorobenzene	10	UG/L	U	U	10	1
	1,3-Dichlorobenzene	10	UG/L	U	U	10	1
	1,4-Dichlorobenzene	10	UG/L	U	U	10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U	10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U	10	1
	2,4-Dichlorophenol	10	UG/L	U	U	10	1
	2,4-Dimethylphenol	10	UG/L	U	U	10	1
	2,4-Dinitrophenol	20	UG/L	U	U	20	1
	2,4-Dinitrotoluene	10	UG/L	U	U	10	1
	2,6-Dinitrotoluene	10	UG/L	U	U	10	1
	2-Chloronaphthalene	1	UG/L	U	U	1	1
	2-Chlorophenol	10	UG/L	U	U	10	1
	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U	10	1
	2-Methylnaphthalene	1	UG/L	U	U	1	1
	2-Methylphenol	10	UG/L	U	U	10	1
	2-Nitrobenzenamine	10	UG/L	U	U	10	1
	2-Nitrophenol	10	UG/L	U	U	10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U	10	1
	3-Nitrobenzenamine	10	UG/L	U	U	10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U	10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U	10	1
	4-Chlorobenzenamine	10	UG/L	U	U	10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U	10	1

Station: AT-MW-03
Sample ID: AT0312 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	4-Nitrobenzenamine	10	UG/L	U	U	10	1
	4-Nitrophenol	10	UG/L	U	U	10	1
	Acenaphthene	1	UG/L	U	U	1	1
	Acenaphthylene	1	UG/L	U	U	1	1
	Anthracene	1	UG/L	U	U	1	1
	Benz(a)anthracene	1	UG/L	U	U	1	1
	Benzenemethanol	10	UG/L	U	U	10	1
	Benzo(a)pyrene	1	UG/L	U	U	1	1
	Benzo(b)fluoranthene	1	UG/L	U	U	1	1
	Benzo(ghi)perylene	1	UG/L	U	U	1	1
	Benzo(k)fluoranthene	1	UG/L	U	U	1	1
	Benzoic acid	12.1	UG/L	J	J	20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U	10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U	10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U	10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	10	1
	Butyl benzyl phthalate	10	UG/L	U	U	10	1
	Carbazole	10	UG/L	U	U	10	1
	Chrysene	1	UG/L	U	U	1	1
	Di-n-butyl phthalate	10	UG/L	U	U	10	1
	Di-n-octylphthalate	10	UG/L	U	U	10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U	1	1
	Dibenzofuran	10	UG/L	U	U	10	1
	Diethyl phthalate	10	UG/L	U	U	10	1
	Dimethyl phthalate	10	UG/L	U	U	10	1
	Diphenylamine	10	UG/L	U	U	10	1
	Fluoranthene	1	UG/L	U	U	1	1
	Fluorene	1	UG/L	U	U	1	1
	Hexachlorobenzene	10	UG/L	U	U	10	1
	Hexachlorobutadiene	10	UG/L	U	U	10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U	10	1
	Hexachloroethane	10	UG/L	U	U	10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U	1	1
	Isophorone	10	UG/L	U	U	10	1
	m+p Methylphenol	10	UG/L	U	U	10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U	10	1
	Naphthalene	1	UG/L	U	U	1	1
	Nitrobenzene	10	UG/L	U	U	10	1
	Pentachlorophenol	10	UG/L	U	U	10	1
	Phenanthrene	1	UG/L	U	U	1	1
	Phenol	10	UG/L	U	U	10	1
	Pyrene	1	UG/L	U	U	1	1
Volatile Organics	General Engineering Laboratory						
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	UJ	1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U	1	1
	1,1,2-Trichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dibromoethane	1	UG/L	U	U	1	1
	1,2-Dichloroethane	1	UG/L	U	U	1	1
	1,2-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dichloropropane	1	UG/L	U	U	1	1
	2-Butanone	5	UG/L	U	U	5	1
	2-Hexanone	5	UG/L	U	U	5	1
	4-Methyl-2-pentanone	5	UG/L	U	U	5	1

Station: AT-MW-03
Sample ID: AT0312 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						
SW846 8260B	Acetone	3.26	UG/L	J	J	5	1
	Benzene	1	UG/L	U	U	1	1
	Bromochloromethane	1	UG/L	U	U	1	1
	Bromodichloromethane	1	UG/L	U	U	1	1
	Bromoform	1	UG/L	U	U	1	1
	Bromomethane	1	UG/L	U	U	1	1
	Carbon disulfide	5	UG/L	U	U	5	1
	Carbon tetrachloride	1	UG/L	U	UJ	1	1
	Chlorobenzene	1	UG/L	U	U	1	1
	Chloroethane	1	UG/L	U	U	1	1
	Chloroform	1	UG/L	U	U	1	1
	Chloromethane	1	UG/L	U	U	1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Dibromochloromethane	1	UG/L	U	U	1	1
	Ethylbenzene	1	UG/L	U	U	1	1
	Methylene chloride	5	UG/L	U	U	5	1
	Styrene	1	UG/L	U	U	1	1
	tert-Butyl methyl ether	1	UG/L	U	U	1	1
	Tetrachloroethene	1	UG/L	U	U	1	1
	Toluene	1	UG/L	U	U	1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Trichloroethene	1	UG/L	U	U	1	1
	Vinyl chloride	1	UG/L	U	U	1	1
	Xylenes, Total	0.277	UG/L	J	J	1	1

Station: AT-MW-04
Sample ID: AT0412 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Inorganics	General Engineering Laboratory						
SW846 6010	Arsenic	4	UG/L	U	U	4	1
	Barium	34.3	UG/L		=	0.3	1
	Cadmium	0.32	UG/L	B	J	0.3	1
	Chromium	3.6	UG/L	B	J	1	1
	Lead	2	UG/L	U	U	2	1
SW846 7470	Mercury	0.028	UG/L	U	U	0.028	1
SW846 6010	Selenium	7	UG/L	U	U	7	1
	Silver	1	UG/L	U	U	1	1
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	1,2,4-Trichlorobenzene	10	UG/L	U	U	10	1
	1,2-Dichlorobenzene	10	UG/L	U	U	10	1
	1,3-Dichlorobenzene	10	UG/L	U	U	10	1
	1,4-Dichlorobenzene	10	UG/L	U	U	10	1
	2,4,5-Trichlorophenol	10	UG/L	U	U	10	1
	2,4,6-Trichlorophenol	10	UG/L	U	U	10	1
	2,4-Dichlorophenol	10	UG/L	U	U	10	1
	2,4-Dimethylphenol	10	UG/L	U	U	10	1
	2,4-Dinitrophenol	20	UG/L	U	U	20	1
	2,4-Dinitrotoluene	10	UG/L	U	U	10	1
	2,6-Dinitrotoluene	10	UG/L	U	U	10	1
	2-Chloronaphthalene	1	UG/L	U	U	1	1
	2-Chlorophenol	10	UG/L	U	U	10	1

Station: AT-MW-04
Sample ID: AT0412 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	2-Methyl-4,6-dinitrophenol	10	UG/L	U	U	10	1
	2-Methylnaphthalene	1	UG/L	U	U	1	1
	2-Methylphenol	10	UG/L	U	U	10	1
	2-Nitrobenzenamine	10	UG/L	U	U	10	1
	2-Nitrophenol	10	UG/L	U	U	10	1
	3,3'-Dichlorobenzidine	10	UG/L	U	U	10	1
	3-Nitrobenzenamine	10	UG/L	U	U	10	1
	4-Bromophenyl phenyl ether	10	UG/L	U	U	10	1
	4-Chloro-3-methylphenol	10	UG/L	U	U	10	1
	4-Chlorobenzenamine	10	UG/L	U	U	10	1
	4-Chlorophenyl phenyl ether	10	UG/L	U	U	10	1
	4-Nitrobenzenamine	10	UG/L	U	U	10	1
	4-Nitrophenol	10	UG/L	U	U	10	1
	Acenaphthene	1	UG/L	U	U	1	1
	Acenaphthylene	1	UG/L	U	U	1	1
	Anthracene	1	UG/L	U	U	1	1
	Benz(a)anthracene	1	UG/L	U	U	1	1
	Benzenemethanol	10	UG/L	U	U	10	1
	Benzo(a)pyrene	1	UG/L	U	U	1	1
	Benzo(b)fluoranthene	1	UG/L	U	U	1	1
	Benzo(ghi)perylene	1	UG/L	U	U	1	1
	Benzo(k)fluoranthene	1	UG/L	U	U	1	1
	Benzoic acid	20	UG/L	U	U	20	1
	Bis(2-chloroethoxy)methane	10	UG/L	U	U	10	1
	Bis(2-chloroethyl) ether	10	UG/L	U	U	10	1
	Bis(2-chloroisopropyl) ether	10	UG/L	U	U	10	1
	Bis(2-ethylhexyl)phthalate	10	UG/L	U	U	10	1
	Butyl benzyl phthalate	10	UG/L	U	U	10	1
	Carbazole	10	UG/L	U	U	10	1
	Chrysene	1	UG/L	U	U	1	1
	Di-n-butyl phthalate	10	UG/L	U	U	10	1
	Di-n-octylphthalate	10	UG/L	U	U	10	1
	Dibenz(a,h)anthracene	1	UG/L	U	U	1	1
	Dibenzofuran	10	UG/L	U	U	10	1
	Diethyl phthalate	10	UG/L	U	U	10	1
	Dimethyl phthalate	10	UG/L	U	U	10	1
	Diphenylamine	10	UG/L	U	U	10	1
	Fluoranthene	1	UG/L	U	U	1	1
	Fluorene	1	UG/L	U	U	1	1
	Hexachlorobenzene	10	UG/L	U	U	10	1
	Hexachlorobutadiene	10	UG/L	U	U	10	1
	Hexachlorocyclopentadiene	10	UG/L	U	U	10	1
	Hexachloroethane	10	UG/L	U	U	10	1
	Indeno(1,2,3-cd)pyrene	1	UG/L	U	U	1	1
	Isophorone	10	UG/L	U	U	10	1
	m+p Methylphenol	10	UG/L	U	U	10	1
	N-Nitroso-di-n-propylamine	10	UG/L	U	U	10	1
	Naphthalene	1	UG/L	U	U	1	1
	Nitrobenzene	10	UG/L	U	U	10	1
	Pentachlorophenol	10	UG/L	U	U	10	1
	Phenanthrene	1	UG/L	U	U	1	1
	Phenol	10	UG/L	U	U	10	1
	Pyrene	1	UG/L	U	U	1	1
Volatile Organics	General Engineering Laboratory						
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	UJ	1	1

Station: AT-MW-04
Sample ID: AT0412 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Volatile Organics	General Engineering Laboratory						
SW846 8260B	1,1,2,2-Tetrachloroethane	1	UG/L	U	U	1	1
	1,1,2-Trichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dibromoethane	1	UG/L	U	U	1	1
	1,2-Dichloroethane	1	UG/L	U	U	1	1
	1,2-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dichloropropane	1	UG/L	U	U	1	1
	2-Butanone	2.43	UG/L	J	J	5	1
	2-Hexanone	5	UG/L	U	U	5	1
	4-Methyl-2-pentanone	1.49	UG/L	J	J	5	1
	Acetone	10.5	UG/L		=	5	1
	Benzene	1.09	UG/L		=	1	1
	Bromochloromethane	1	UG/L	U	U	1	1
	Bromodichloromethane	1	UG/L	U	U	1	1
	Bromoform	1	UG/L	U	U	1	1
	Bromomethane	1	UG/L	U	U	1	1
	Carbon disulfide	5	UG/L	U	U	5	1
	Carbon tetrachloride	1	UG/L	U	UJ	1	1
	Chlorobenzene	1	UG/L	U	U	1	1
	Chloroethane	1	UG/L	U	U	1	1
	Chloroform	1	UG/L	U	U	1	1
	Chloromethane	1	UG/L	U	U	1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Dibromochloromethane	1	UG/L	U	U	1	1
	Ethylbenzene	2.88	UG/L		=	1	1
	Methylene chloride	5	UG/L	U	U	5	1
	Styrene	1	UG/L	U	U	1	1
	tert-Butyl methyl ether	1	UG/L	U	U	1	1
	Tetrachloroethene	1	UG/L	U	U	1	1
	Toluene	5.11	UG/L		=	1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Trichloroethene	1	UG/L	U	U	1	1
	Vinyl chloride	1	UG/L	U	U	1	1
	Xylenes, Total	14.6	UG/L		=	1	1

Station: AT-MW-04
Sample ID: AT0414 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Inorganics	General Engineering Laboratory						
SW846 6010	Arsenic	4	UG/L	U	U	4	1
	Barium	33.4	UG/L		=	0.3	1
	Cadmium	0.3	UG/L	U	U	0.3	1
	Chromium	3	UG/L	B	J	1	1
	Lead	2	UG/L	U	U	2	1
SW846 7470	Mercury	0.041	UG/L	U	U	0.041	1
SW846 6010	Selenium	7	UG/L	U	U	7	1
	Silver	1	UG/L	U	U	1	1
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	1,2,4-Trichlorobenzene	9.52	UG/L	U	U	9.52	1
	1,2-Dichlorobenzene	9.52	UG/L	U	U	9.52	1
	1,3-Dichlorobenzene	9.52	UG/L	U	U	9.52	1
	1,4-Dichlorobenzene	9.52	UG/L	U	U	9.52	1

Station: AT-MW-04
Sample ID: AT0414 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	2,4,5-Trichlorophenol	9.52	UG/L	U	U	9.52	1
	2,4,6-Trichlorophenol	9.52	UG/L	U	U	9.52	1
	2,4-Dichlorophenol	9.52	UG/L	U	U	9.52	1
	2,4-Dimethylphenol	9.52	UG/L	U	U	9.52	1
	2,4-Dinitrophenol	19	UG/L	U	U	19	1
	2,4-Dinitrotoluene	9.52	UG/L	U	U	9.52	1
	2,6-Dinitrotoluene	9.52	UG/L	U	U	9.52	1
	2-Chloronaphthalene	0.952	UG/L	U	U	0.952	1
	2-Chlorophenol	9.52	UG/L	U	U	9.52	1
	2-Methyl-4,6-dinitrophenol	9.52	UG/L	U	U	9.52	1
	2-Methylnaphthalene	0.424	UG/L	J	J	0.952	1
	2-Methylphenol	9.52	UG/L	U	U	9.52	1
	2-Nitrobenzenamine	9.52	UG/L	U	U	9.52	1
	2-Nitrophenol	9.52	UG/L	U	U	9.52	1
	3,3'-Dichlorobenzidine	9.52	UG/L	U	U	9.52	1
	3-Nitrobenzenamine	9.52	UG/L	U	U	9.52	1
	4-Bromophenyl phenyl ether	9.52	UG/L	U	U	9.52	1
	4-Chloro-3-methylphenol	9.52	UG/L	U	U	9.52	1
	4-Chlorobenzenamine	9.52	UG/L	U	U	9.52	1
	4-Chlorophenyl phenyl ether	9.52	UG/L	U	U	9.52	1
	4-Nitrobenzenamine	9.52	UG/L	U	U	9.52	1
	4-Nitrophenol	9.52	UG/L	U	U	9.52	1
	Acenaphthene	0.952	UG/L	U	U	0.952	1
	Acenaphthylene	0.952	UG/L	U	U	0.952	1
	Anthracene	0.952	UG/L	U	U	0.952	1
	Benz(a)anthracene	0.952	UG/L	U	U	0.952	1
	Benzenemethanol	9.52	UG/L	U	U	9.52	1
	Benzo(a)pyrene	0.952	UG/L	U	U	0.952	1
	Benzo(b)fluoranthene	0.952	UG/L	U	U	0.952	1
	Benzo(ghi)perylene	0.952	UG/L	U	U	0.952	1
	Benzo(k)fluoranthene	0.952	UG/L	U	U	0.952	1
	Benzoic acid	14.9	UG/L	J	J	19	1
	Bis(2-chloroethoxy)methane	9.52	UG/L	U	U	9.52	1
	Bis(2-chloroethyl) ether	9.52	UG/L	U	U	9.52	1
	Bis(2-chloroisopropyl) ether	9.52	UG/L	U	U	9.52	1
	Bis(2-ethylhexyl)phthalate	9.52	UG/L	U	U	9.52	1
	Butyl benzyl phthalate	9.52	UG/L	U	U	9.52	1
	Carbazole	9.52	UG/L	U	U	9.52	1
	Chrysene	0.952	UG/L	U	U	0.952	1
	Di-n-butyl phthalate	9.52	UG/L	U	U	9.52	1
	Di-n-octylphthalate	9.52	UG/L	U	U	9.52	1
	Dibenz(a,h)anthracene	0.952	UG/L	U	U	0.952	1
	Dibenzofuran	9.52	UG/L	U	U	9.52	1
	Diethyl phthalate	9.52	UG/L	U	U	9.52	1
	Dimethyl phthalate	9.52	UG/L	U	U	9.52	1
	Diphenylamine	9.52	UG/L	U	U	9.52	1
	Fluoranthene	0.952	UG/L	U	U	0.952	1
	Fluorene	0.952	UG/L	U	U	0.952	1
	Hexachlorobenzene	9.52	UG/L	U	U	9.52	1
	Hexachlorobutadiene	9.52	UG/L	U	U	9.52	1
	Hexachlorocyclopentadiene	9.52	UG/L	U	U	9.52	1
	Hexachloroethane	9.52	UG/L	U	U	9.52	1
	Indeno(1,2,3-cd)pyrene	0.952	UG/L	U	U	0.952	1
	Isophorone	9.52	UG/L	U	U	9.52	1
	m+p Methylphenol	9.52	UG/L	U	U	9.52	1
	N-Nitroso-di-n-propylamine	9.52	UG/L	U	U	9.52	1

Station: AT-MW-04
Sample ID: AT0414 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Field Duplicate

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	Naphthalene	0.676	UG/L	J	J	0.952	1
	Nitrobenzene	9.52	UG/L	U	U	9.52	1
	Pentachlorophenol	9.52	UG/L	U	U	9.52	1
	Phenanthrene	0.952	UG/L	U	U	0.952	1
	Phenol	9.52	UG/L	U	U	9.52	1
	Pyrene	0.952	UG/L	U	U	0.952	1
Volatile Organics	General Engineering Laboratory						
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	UJ	1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U	1	1
	1,1,2-Trichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dibromoethane	1	UG/L	U	U	1	1
	1,2-Dichloroethane	1	UG/L	U	U	1	1
	1,2-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dichloropropane	1	UG/L	U	U	1	1
	2-Butanone	2.67	UG/L	J	J	5	1
	2-Hexanone	5	UG/L	U	U	5	1
	4-Methyl-2-pentanone	1.76	UG/L	J	J	5	1
	Acetone	13	UG/L		=	5	1
	Benzene	1.11	UG/L		=	1	1
	Bromochloromethane	1	UG/L	U	U	1	1
	Bromodichloromethane	1	UG/L	U	U	1	1
	Bromoform	1	UG/L	U	U	1	1
	Bromomethane	1	UG/L	U	U	1	1
	Carbon disulfide	5	UG/L	U	U	5	1
	Carbon tetrachloride	1	UG/L	U	UJ	1	1
	Chlorobenzene	1	UG/L	U	U	1	1
	Chloroethane	1	UG/L	U	U	1	1
	Chloroform	1	UG/L	U	U	1	1
	Chloromethane	1	UG/L	U	U	1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Dibromochloromethane	1	UG/L	U	U	1	1
	Ethylbenzene	3.1	UG/L		=	1	1
	Methylene chloride	5	UG/L	U	U	5	1
	Styrene	1	UG/L	U	U	1	1
	tert-Butyl methyl ether	1	UG/L	U	U	1	1
	Tetrachloroethene	1	UG/L	U	U	1	1
	Toluene	5.11	UG/L		=	1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Trichloroethene	1	UG/L	U	U	1	1
	Vinyl chloride	1	UG/L	U	U	1	1
	Xylenes, Total	14.6	UG/L		=	1	1

Station: AT-MW-05
Sample ID: AT0512 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Inorganics	General Engineering Laboratory						
SW846 6010	Arsenic	4	UG/L	U	U	4	1
	Barium	14.2	UG/L		=	0.3	1
	Cadmium	0.3	UG/L	U	U	0.3	1

Station: AT-MW-05
Sample ID: AT0512 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Inorganics	General Engineering Laboratory						
SW846 6010	Chromium	1.4	UG/L	B	J	1	1
	Lead	2	UG/L	U	U	2	1
SW846 7470	Mercury	0.041	UG/L	U	U	0.041	1
SW846 6010	Selenium	7	UG/L	U	U	7	1
	Silver	1	UG/L	U	U	1	1
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	1,2,4-Trichlorobenzene	9.8	UG/L	U	U	9.8	1
	1,2-Dichlorobenzene	9.8	UG/L	U	U	9.8	1
	1,3-Dichlorobenzene	9.8	UG/L	U	U	9.8	1
	1,4-Dichlorobenzene	9.8	UG/L	U	U	9.8	1
	2,4,5-Trichlorophenol	9.8	UG/L	U	U	9.8	1
	2,4,6-Trichlorophenol	9.8	UG/L	U	U	9.8	1
	2,4-Dichlorophenol	9.8	UG/L	U	U	9.8	1
	2,4-Dimethylphenol	9.8	UG/L	U	U	9.8	1
	2,4-Dinitrophenol	19.6	UG/L	U	U	19.6	1
	2,4-Dinitrotoluene	9.8	UG/L	U	U	9.8	1
	2,6-Dinitrotoluene	9.8	UG/L	U	U	9.8	1
	2-Chloronaphthalene	0.98	UG/L	U	U	0.98	1
	2-Chlorophenol	9.8	UG/L	U	U	9.8	1
	2-Methyl-4,6-dinitrophenol	9.8	UG/L	U	U	9.8	1
	2-Methylnaphthalene	3.46	UG/L		=	0.98	1
	2-Methylphenol	9.8	UG/L	U	U	9.8	1
	2-Nitrobenzenamine	9.8	UG/L	U	U	9.8	1
	2-Nitrophenol	9.8	UG/L	U	U	9.8	1
	3,3'-Dichlorobenzidine	9.8	UG/L	U	U	9.8	1
	3-Nitrobenzenamine	9.8	UG/L	U	U	9.8	1
	4-Bromophenyl phenyl ether	9.8	UG/L	U	U	9.8	1
	4-Chloro-3-methylphenol	9.8	UG/L	U	U	9.8	1
	4-Chlorobenzenamine	9.8	UG/L	U	U	9.8	1
	4-Chlorophenyl phenyl ether	9.8	UG/L	U	U	9.8	1
	4-Nitrobenzenamine	9.8	UG/L	U	U	9.8	1
	4-Nitrophenol	9.8	UG/L	U	U	9.8	1
	Acenaphthene	0.98	UG/L	U	U	0.98	1
	Acenaphthylene	0.98	UG/L	U	U	0.98	1
	Anthracene	0.98	UG/L	U	U	0.98	1
	Benz(a)anthracene	0.98	UG/L	U	U	0.98	1
	Benzenemethanol	9.8	UG/L	U	U	9.8	1
	Benzo(a)pyrene	0.98	UG/L	U	U	0.98	1
	Benzo(b)fluoranthene	0.98	UG/L	U	U	0.98	1
	Benzo(ghi)perylene	0.98	UG/L	U	U	0.98	1
	Benzo(k)fluoranthene	0.98	UG/L	U	U	0.98	1
	Benzoic acid	19.6	UG/L	U	U	19.6	1
	Bis(2-chloroethoxy)methane	9.8	UG/L	U	U	9.8	1
	Bis(2-chloroethyl) ether	9.8	UG/L	U	U	9.8	1
	Bis(2-chloroisopropyl) ether	9.8	UG/L	U	U	9.8	1
	Bis(2-ethylhexyl)phthalate	9.8	UG/L	U	U	9.8	1
	Butyl benzyl phthalate	9.8	UG/L	U	U	9.8	1
	Carbazole	9.8	UG/L	U	U	9.8	1
	Chrysene	0.98	UG/L	U	U	0.98	1
	Di-n-butyl phthalate	9.8	UG/L	U	U	9.8	1
	Di-n-octylphthalate	9.8	UG/L	U	U	9.8	1
	Dibenz(a,h)anthracene	0.98	UG/L	U	U	0.98	1
	Dibenzofuran	9.8	UG/L	U	U	9.8	1
	Diethyl phthalate	9.8	UG/L	U	U	9.8	1
	Dimethyl phthalate	9.8	UG/L	U	U	9.8	1

Station: AT-MW-05
Sample ID: AT0512 Media: Groundwater
Date Collected: 07/24/2006 Field Sample Type: Grab

Analysis	Chemical	Result	Units	Lab Qual	Data Qual	Detection Limit	Dilution
Semi-Volatile Organics	General Engineering Laboratory						
SW846 8270	Diphenylamine	9.8	UG/L	U	U	9.8	1
	Fluoranthene	0.98	UG/L	U	U	0.98	1
	Fluorene	0.98	UG/L	U	U	0.98	1
	Hexachlorobenzene	9.8	UG/L	U	U	9.8	1
	Hexachlorobutadiene	9.8	UG/L	U	U	9.8	1
	Hexachlorocyclopentadiene	9.8	UG/L	U	U	9.8	1
	Hexachloroethane	9.8	UG/L	U	U	9.8	1
	Indeno(1,2,3-cd)pyrene	0.98	UG/L	U	U	0.98	1
	Isophorone	9.8	UG/L	U	U	9.8	1
	m+p Methylphenol	9.8	UG/L	U	U	9.8	1
	N-Nitroso-di-n-propylamine	9.8	UG/L	U	U	9.8	1
	Naphthalene	2.15	UG/L		=	0.98	1
	Nitrobenzene	9.8	UG/L	U	U	9.8	1
	Pentachlorophenol	9.8	UG/L	U	U	9.8	1
	Phenanthrene	0.98	UG/L	U	U	0.98	1
	Phenol	9.8	UG/L	U	U	9.8	1
	Pyrene	0.98	UG/L	U	U	0.98	1
Volatile Organics	General Engineering Laboratory						
SW846 8260B	1,1,1-Trichloroethane	1	UG/L	U	UJ	1	1
	1,1,2,2-Tetrachloroethane	1	UG/L	U	U	1	1
	1,1,2-Trichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethane	1	UG/L	U	U	1	1
	1,1-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dibromoethane	1	UG/L	U	U	1	1
	1,2-Dichloroethane	1	UG/L	U	U	1	1
	1,2-Dichloroethene	1	UG/L	U	U	1	1
	1,2-Dichloropropane	1	UG/L	U	U	1	1
	2-Butanone	5	UG/L	U	U	5	1
	2-Hexanone	5	UG/L	U	U	5	1
	4-Methyl-2-pentanone	5	UG/L	U	U	5	1
	Acetone	1.26	UG/L	J	J	5	1
	Benzene	1	UG/L	U	U	1	1
	Bromochloromethane	1	UG/L	U	U	1	1
	Bromodichloromethane	1	UG/L	U	U	1	1
	Bromoform	1	UG/L	U	U	1	1
	Bromomethane	1	UG/L	U	U	1	1
	Carbon disulfide	5	UG/L	U	U	5	1
	Carbon tetrachloride	1	UG/L	U	UJ	1	1
	Chlorobenzene	1	UG/L	U	U	1	1
	Chloroethane	1	UG/L	U	U	1	1
	Chloroform	1	UG/L	U	U	1	1
	Chloromethane	1	UG/L	U	U	1	1
	cis-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Dibromochloromethane	1	UG/L	U	U	1	1
	Ethylbenzene	1.25	UG/L		=	1	1
	Methylene chloride	5	UG/L	U	U	5	1
	Styrene	1	UG/L	U	U	1	1
	tert-Butyl methyl ether	1	UG/L	U	U	1	1
	Tetrachloroethene	1	UG/L	U	U	1	1
	Toluene	1.28	UG/L		=	1	1
	trans-1,3-Dichloropropene	1	UG/L	U	U	1	1
	Trichloroethene	1	UG/L	U	U	1	1
	Vinyl chloride	1	UG/L	U	U	1	1
	Xylenes, Total	5.32	UG/L		=	1	1

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167802/

CHAIN OF CUSTODY RECORD

COC NO.: HPF0001

PROJECT NAME: Hunter ~~AAF LTM D.O. 66~~ PURGE FACILITY

PROJECT NUMBER: 01-1055-04 ~~3056-200~~ 8330-200

PROJECT MANAGER: Patty Stoll/Sharon Stoller

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

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod, Charleston, SC 29407

PHONE NO: (843)556-8171

REQUESTED PARAMETERS

Sample ID	Date Collected	Time Collected	Matrix	BTEX	VOC	MTBE	SVOC	Lead	RCRA Metals	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
AT0112	7/23/06	1200	Water				2		1	3		
AT0312	7/24/06	1500					2		1	3		
AT0212	7/23/06	1400					2		1	3		
AT0412	7/24/06	1655	↓				2			2		

P Stoll 7/25/06

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
P Stoll	7/25/06 1155		
COMPANY NAME: SAIC		COMPANY NAME:	
RECEIVED BY: Ben Walters	Date/Time 7/25/06 1155	RELINQUISHED BY:	Date/Time
COMPANY NAME: GEL		COMPANY NAME:	
RELINQUISHED BY: Ben Walters	Date/Time 7/25/06 1520	RECEIVED BY: K Ugh A	Date/Time 7.25.06 1520
COMPANY NAME: GEL		COMPANY NAME:	

TOTAL NUMBER OF CONTAINERS: 11

Cooler ID: #1

Cooler Temperature: 4°C

FEDEX NUMBER: N/A

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CHAIN OF CUSTODY RECORD

COC NO.: HPT0002

PROJECT NAME: Hunter ~~AAF LTM D.O. 66~~ FORGE FACILITY

PROJECT NUMBER: 01-1055-04-~~3056-200~~ 8330-200

PROJECT MANAGER: Patty Stoll/Sharon Stoller

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

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040 Savage Raod, Charleston, SC 29407

PHONE NO: (843) 556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	VOC	MTBE	SVOC	Lead	RCRA Metals	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
AT0414	7/24/06	1655	water				2		1	3		
AT0512	7/24/06	1550	↓				2		1	3		
AT0412	7/24/06	1655	↓						1	1		

REQUESTED PARAMETERS

P. Stoll 7/25/06

RELINQUISHED BY: P. Stoll	Date/Time 7/25/06 1155	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 7	Cooler Temperature: 4°C
COMPANY NAME: SAIC		COMPANY NAME:		Cooler ID: 002	FEDEX NUMBER: N/A
RECEIVED BY: Ben Watkins	Date/Time 7/25/06 1155	RELINQUISHED BY:	Date/Time		
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Ben Watkins	Date/Time 7/25/06 1520	RECEIVED BY: K. Wyatt	Date/Time 7.25.06 1520		
COMPANY NAME: GEL		COMPANY NAME: GEL			

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CHAIN OF CUSTODY RECORD

COC NO.: HPF0003

PROJECT NAME: Hunter ~~AAF LTM D.O. 68~~ HUNTER PURGE

PROJECT NUMBER: 01-1055-04 ~~3056-200~~ 8330-200

PROJECT MANAGER: Patty Stoll/Sharon Stoller

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

LABORATORY NAME: General Engineering Laboratory

LABORATORY ADDRESS: 2040Savage Raod Charleston, SC 29407

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	VOC	MTBE	SVOC	Lead	RCRA Metals	No. of Bottles/ Vials:	OVA SCREENING	OBSERVATIONS, COMMENTS,
AT0212	7/23/06	1400	water		2					2		
AT0512	7/24/06	1550			2					2		
AT0312	7/24/06	1500			2					2		
AT0414	7/24/06	1655			2					2		
AT0412	7/24/06	1655			2					2		
AT0112	7/24/06	1200			2					2		

P A Stoll 7/25/06

C-66

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time	TOTAL NUMBER OF CONTAINERS: 12	Cooler Temperature: 4 °C
P A Stoll	7/25/06 1155			Cooler ID: 425	FEDEX NUMBER: N/A
COMPANY NAME: SAIC		COMPANY NAME:			
RECEIVED BY: Ben Watkins	7/25/06 1155	RELINQUISHED BY:			
COMPANY NAME: GEL		COMPANY NAME:			
RELINQUISHED BY: Ben Watkins	7/25/06 1520	RECEIVED BY: K Wright	7/25/06 1520		
COMPANY NAME: GEL		COMPANY NAME: GEL			

APPENDIX D

METALS BACKGROUND CONCENTRATIONS FOR THE PDO YARD AND THE FTA AT HAAF

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PDO Yard - Background	PDO Yard - Background (mg/kg)		Fire Training Area	Background**	Statistics		Background Concentration (2 x Standard Deviation)
	PDO-MWB0401 Surface	PDO-MWB0402* Subsurface			Standard Deviation	2 x Standard Deviation	mg/kg
Arsenic	1	1.2	2.6	2.6	0.87	1.74	4.34
Barium	--	--	28	28	--	--	ND
cadmium	--	--	2.6	2.6	--	--	ND
Chromium	2	4.7	7.7	7.7	2.85	5.70	13.40
Copper	2.6	3	--	ND	0.28	0.57	ND
Lead	4.8	3.5	53	53	28.21	56.42	109.42
Mercury	0.012	0.043	--	0.043	0.02	0.04	0.09
Zinc	3.8	3.4	--	3.8	0.28	0.57	4.37
Silver	--	--	3	3	0.00	0.00	3.00

Note:
** - Highest value from Fire Training and PDO Areas

Metal	Number of locations exceeding (no statistics)	Number of locations exceeding **(statistics)**
Zinc	17	17
Lead	6	3
Arsenic	15	11
Chromium	6	1

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APPENDIX E

SURFACE AND SUBSURFACE SOIL REFERENCE BACKGROUND CONCENTRATIONS FOR THE FORT STEWART MILITARY RESERVATION

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FIGURES

TABLES

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BACKGROUND DATA ANALYSIS

The reference background criteria have been developed based on data from background samples collected across the Fort Stewart Military Reservation (FSMR) for Solid Waste Management Units (SWMUs) under Phase II Resource Conservation and Recovery Act Facility Investigation (RFI). In general, reference background samples were collected in each medium at locations upgradient or upstream of each site so as to be representative of naturally occurring conditions at SWMUs under investigation. In addition, soil samples collected during Phase I RFI activities [i.e., Burn Pits (SMWUs 4A, 4B, 4D, 4E, and 4F), Active Explosive Ordnance Disposal Area (SWMU 12A), etc.] were included in the set of reference background samples if they were determined to be upgradient of the site and if the data were of sufficient quality to be representative of natural background conditions at the FSMR. A summary of the sample locations and the source of the data (Phase I or II RFI) for each medium are presented in Table E-1. Figures E-1 and E-2 show the sites of the background locations.

U.S. Environmental Protection Agency (EPA) Region IV methodology (Soil Screening Guidance: Technical Background Document, EPA 540/R-94/106) was used as guidance for the development of the background data set for screening metals data. In cases where enough samples (e.g., more than 20) are collected to define background, a background upper tolerance level can be calculated. In cases where fewer samples (e.g., fewer than 20) are collected to define background, background can be calculated as two times the mean background concentration (EPA 540/R-94/106). Given that fewer than 20 background samples were collected for the FSMR, the latter method was used for calculating reference background concentrations for metals.

Tables E-2 and E-3 present the summary of background data and the two-times-mean background concentrations for surface soil and subsurface soil, respectively. It should be noted that groundwater, surface water, and sediment; however, background data for this media was not presented since it is not applicable to HAAF Purge Facility. If a chemical was not detected at a site, then one-half the detection limit was used as the concentration when calculating the mean background concentration. Given the limited number of background samples, the mean concentration for soils in the eastern United States is also presented for comparative purposes only. A statistical analysis of the surface soil and subsurface soil data is presented in Tables E-4 and E-5, respectively.

The use of background data from multiple SWMUs across the FSMR is appropriate for soil for the following reason:

The soil types for both surface and subsurface soils consist of similar Coastal Plain deposits (both former barrier island and backwater marsh deposits) with varying amounts of sands, silts, and clays. The variation in soil types occurs vertically at a given site to the same extent that it occurs across the Installation. No correlation between the metal concentration and either soil type or geological facies is apparent. The range of variation in the concentration of any given analyte across the background samples is relatively narrow, and generally significantly less than the mean concentration for soils in the eastern United States.

Definitions of acronyms and abbreviations used in Appendix D tables include:

CV	coefficient of variation
Det. Limit	detection limit reported by the analytical laboratory
Distr.	distribution of data (normal, lognormal)
Min. Detect	minimum detected value

Sample ID	sample identification number on chain of custody
Site-specific background criteria	Surface water and sediment background samples were collected upgradient of this particular SWMU and are specific to this site only. No Installation-wide background data set has been established for surface water or sediment.
SWMU	Solid Waste Management Unit
USGS	U.S. Geological Survey

Table E-1. Background Media Summary

SWMU Number	SWMU Name on Hazardous Waste Permit HW-045	Surface Soil	Subsurface Soil
1	South Central Landfill	SC-M17[a]	SC-M17[a]
2	Camp Oliver Landfill	**MW5**[b]	**MW5**[b]
3	TAC-X Landfill	**MW5**[b]	**MW5**[b]
4A	Burn Pit A		**MW1**[c] (Phase I)
4B	Burn Pit B		**MW3**[c] (Phase I)
4C	Burn Pit C	**MW7**[d]	**MW7**[d]
4D	Burn Pit D		**MW2**[c] (Phase I)
4E	Burn Pit E		**MW3**[c] (Phase I)
4F	Burn Pit F		**MW1**[c] (Phase I)
10	Inactive EOD Area		
12A	Active EOD Containing Open Detonation Unit and Open Burn Unit	**MW1**[e]	**MW1**[e]
14	Old Fire Training Area		
17	DRMO Hazardous Waste Storage Area	**MW1**[b]	**MW1**[b]
18	Industrial Wastewater Treatment Plant	**MW1**[b]	**MW1**[b]
26	Former 724th Tanker Purging Station	**MW1**[b]	**MW1**[b]
29	Evans Army Heliport POL Storage Facility	**MW5**[b]	**MW5**[b]
31	DEH Asphalt Tanks	**MW1**[b]	**MW1**[b]
32	Supply Diesel Tank	**MW1**[b]	**MW1**[b]
34	DEH Equipment Wash Rack	**MW1**[b]	**MW1**[b]
35	Wright Army Airfield Bulk Fuel System	HA-05[f] (Phase I)	HA-05[f] (Phase I)

[a]SAIC (Science Applications International Corporation) 1998. Phase II RCRA Facility Investigations Report for the South Central Landfill (SWMU 1), Fort Stewart, Georgia (Final Report), September.
[b]Information provided in Chapters 9.0 and 10.0 under the respective Phase II RFI SWMUs.
[c]Rust Environment and Infrastructure 1996. Phase I RCRA Facility Investigation Report for 24 Solid Waste Management Units at Fort Stewart, Georgia, Volume I of III (Corrected Final Report), May.
[d]SAIC 1998. Phase II RCRA Facility Investigation Report for the Burn Pits (SWMUs 4A–4F) at Fort Stewart, Georgia (Final Report), March.
[e]Radian International LLC 1997. Site Characterization Report, Open Burn/Open Detonation Units, Fort Stewart, Georgia (Draft Report), January.
[f]Metcalf & Eddy, Inc. 1996. Final Phase I RFI Report for Bulk Fuel Storage System at Wright Army Airfield, Fort Stewart, Georgia, December.
NA = Not applicable.
NB = No site-specific background sample available; results from Former 724th Tanker Purging Station (SWMU 26) used.
Bold indicates background groundwater sample collected from the same borehole as sample for soil (i.e., monitoring well was constructed in the borehole).

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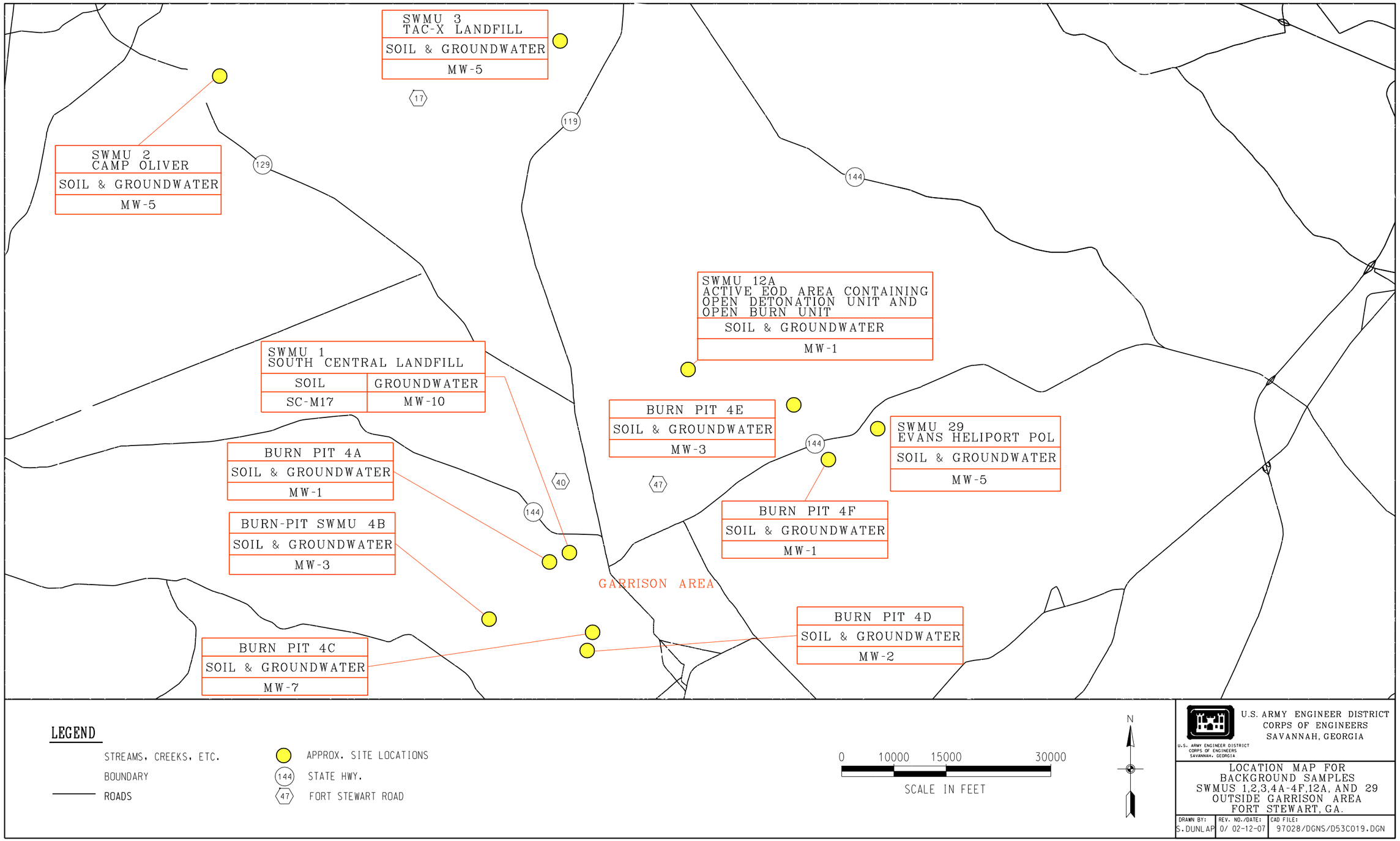

Figure E-1. Location Map for Background Sample Stations (SWMUs 1, 2, 3, 4A through 4F, 12A, and 29), Fort Stewart, Georgia

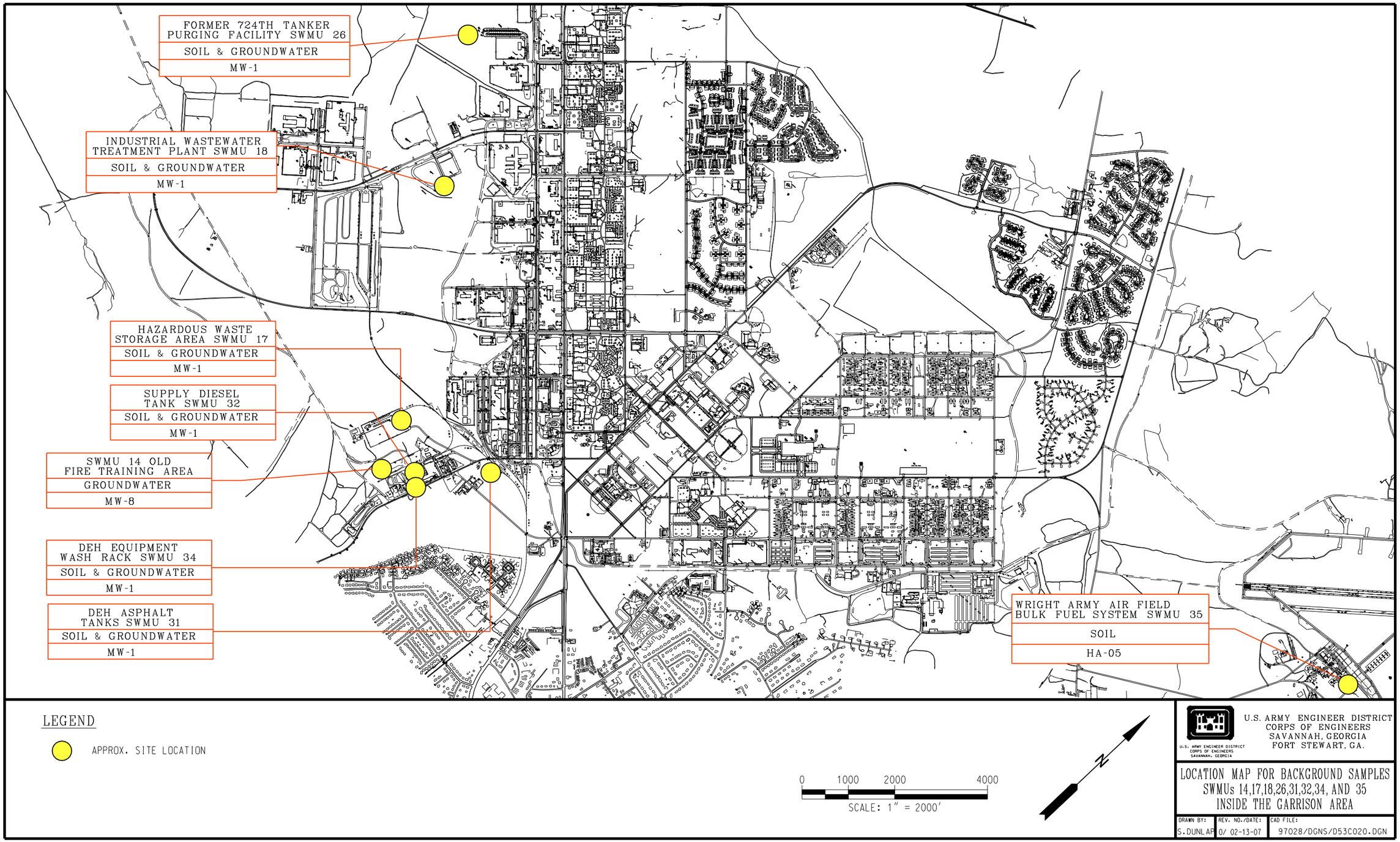

Figure E-2. Location Map for Backgrond Sample Stations (SWMUs 14, 17, 18, 26, 31, 32, 34, and 35), Fort Stewart, Georgia

Table E-2. Surface Soil Background

Location			USGS Eastern U.S. Reference Value	SWMU 2	SWMU 3	SWMU 17	SWMU 18	SWMU 29	SWMU 31	SWMU 32
Station				02-MW5	03-MW5	17-MW1	18-MW1	29-MW5	31-MW1	32-MW1
Sample ID				021511	031511	171111	181111	291511	311111	321111
Date	Mean Background	2 × Mean Background		01/14/98	01/16/98	01/30/98	02/01/98	01/29/98	01/28/98	01/30/98
Depth (feet)				0 to 2	0 to 2	1 to 2	0 to 1	0 to 1	0 to 1	0 to 1
Volatile Organic Compounds (mg/kg)										
1,1-Dichloroethene	0.00	0.00		<0.0057	<0.0059	0.00037	<0.006	<0.006	<0.0055	0.0003
2-Butanone	0.01	0.01		<0.0114	<0.0118			0.0016	<0.011	
2-Hexanone	0.01	0.01		<0.0114	<0.0118	<0.0103	<0.0119	0.0011	<0.011	<0.011
4-Methyl-2-pentanone	0.01	0.01		<0.0114	<0.0118	<0.0103	<0.0119	0.0011	<0.011	<0.011
Acetone	0.01	0.01		<0.0114	<0.0118			0.0053	<0.0325	
Benzene	0.00	0.01		<0.0057	<0.0059	<0.0052	<0.006	<0.006	<0.0055	<0.0055
Bromomethane	0.01	0.01		<0.0114	<0.0118	<0.0103	<0.0119	0.0018	<0.011	<0.011
Carbon disulfide	0.00	0.01		<0.0057	<0.0059	<0.0052	<0.006	0.0016	<0.0055	<0.0055
Ethylbenzene	0.00	0.01		<0.0057	<0.0059	0.00044	<0.006	<0.006	<0.0055	<0.0055
Toluene	0.01	0.01		<0.0057	0.00043	0.0266	<0.006	0.0114	0.004	0.0067
Trichloroethene	0.00	0.01		<0.0057	<0.0059	0.00035	<0.006	<0.006	<0.0055	<0.0055
Pesticides/PCBs (mg/kg)										
4,4'-DDE	0.00	0.00		0.0011	<0.0015					
4,4'-DDT	0.00	0.00		0.0024	<0.0015					
Methoxychlor	0.00	0.01		0.0029	<0.0077					
Metals (mg/kg)										
Arsenic	1.05	2.10	7.4	2.2	<0.35	<0.33	<0.38	0.45	5.1	0.62
Barium	7.37	14.70	420	21.9	7.1	2.3	0.77	3.7	7	8.4
Cadmium	0.09	0.18	2	<0.05	<0.04	<0.04	<0.05	0.05	0.1	0.33
Chromium	3.10	6.21	52	12.1	2.5	0.98	0.21	1	1.5	3.1
Lead	4.41	8.81	17	6.8	1.6	0.91	0.48	11	2.6	7.4
Mercury	0.02	0.03	0.12	0.04	<0.02	<0.02	<0.01	0.02	<0.02	0.03
Selenium	0.20	0.41	0.45	<0.16	<0.15	<0.14	<0.16		<0.16	
Silver	0.08	0.15	2.8	<0.07	<0.07	<0.06		<0.07	<0.06	<0.07
Radionuclides (pCi/g)										
Radium-226	0.43	0.86								
Radium-228	0.85	1.70								

Table E-2. Surface Soil Background (continued)

Location	Mean Background	2 × Mean Background	USGS Eastern U.S. Reference Value	SWMU 34	SWMU 35	Burn Pit C	Former 724th Tanker Purging Station	SWMU 12A	SWMU 1
Station				**34-MW1**	**HA-05**	**MW-7**	**MW1**	**SB01-MW-1**	**SC-M17**
Sample ID				**341111**	**WAHA-0501**	**4C1711**	**261111**	**SBSL1**	**011711**
Date				**01/30/98**	**03/20/96**	**07/11/97**	**07/23/97**	**9/24/96**	**11/16/97**
Depth (feet)				**0 to 1**	**0 to 2**	**0 to 1**	**0 to 2**	**0 to 2**	**0 to 1**
Volatile Organic Compounds (mg/kg)									
1,1-Dichloroethene	0.00	0.00					<0.0023		<0.0114
2-Butanone	0.01	0.01		<0.0054			<0.0057		<0.0227
2-Hexanone	0.01	0.01					<0.0057		<0.0227
4-Methyl-2-pentanone	0.01	0.01		<0.0109			<0.0057		<0.0227
Acetone	0.01	0.01		<0.0109			<0.0057		<0.0227
Benzene	0.00	0.01		0.0036	<0.0055		<0.0023		<0.0114
Bromomethane	0.01	0.01		0.00042			<0.0023		<0.0227
Carbon disulfide	0.00	0.01		<0.0109			<0.0057		<0.0114
Ethylbenzene	0.00	0.01		<0.0054	<0.0055		<0.0023		<0.0114
Toluene	0.01	0.01		<0.0054	<0.0055		<0.0023		<0.0114
Trichloroethene	0.00	0.01		0.0024			<0.0023		<0.0114
Pesticides/PCBs (mg/kg)									
4,4'-DDE	0.00	0.00							<0.0015
4,4'-DDT	0.00	0.00							<0.0015
Methoxychlor	0.00	0.01							<0.0074
Metals (mg/kg)									
Arsenic	1.05	2.10	7.4	0.43	1.2	<0.32	<0.17		1.8
Barium	7.37	14.70	420	9.8	12	5.2	0.94		9.3
Cadmium	0.09	0.18	2	0.12	<0.5	<0.11	<0.06		<0.05
Chromium	3.10	6.21	52	2.2	3.5	0.67	<0.38	3	9.4
Lead	4.41	8.81	17	7.5	7.5	3.1	1.3	3.8	3.3
Mercury	0.02	0.03	0.12	0.04	<0.03	<0.02	<0.01		0.01
Selenium	0.20	0.41	0.45		<1	<0.21	0.63		<0.41
Silver	0.08	0.15	2.8	<0.07	<1	<0.04	<0.02		0.06
Radionuclides (pCi/g)									
Radium-226	0.43	0.86							0.428
Radium-228	0.85	1.70							0.851

Table E-3. Subsurface Soil Background

Location			USGS	SWMU 2	SWMU 3	SWMU 17	SWMU 18	SWMU 29	SWMU 31	SWMU 32
Station			Eastern	02-MW5	03-MW5	17-MW1	18-MW1	29-MW5	31-MW1	32-MW1
Sample ID			U.S.	021512	031512	171112	181112	291512	311112	321112
Date	Mean	2 × Mean	Reference	01/14/98	01/16/98	01/30/98	02/01/98	01/29/98	01/28/98	01/30/98
Depth (feet)	Background	Background	Values	13 to 15	3 to 5	8 to 9	3 to 3	3 to 4	5 to 6	3 to 4
Volatile Organic Compounds (mg/kg)										
2-Butanone	0.01	0.01		<0.0116	<0.0118			0.0012	<0.0115	
2-Hexanone	0.01	0.01		<0.0116	<0.0118	<0.0128	<0.0119	0.0011	<0.0115	<0.011
4-Methyl-2-pentanone	0.01	0.01		<0.0116	<0.0118	<0.0128	<0.0119	0.0011	<0.0115	<0.011
Acetone	0.02	0.05		<0.015	<0.0118	0.0495		0.005	<0.0598	0.0062
Bromomethane	0.01	0.01		<0.0116	<0.0118	<0.0128	<0.0119	0.002	<0.0115	<0.011
Carbon disulfide	0.00	0.01		<0.0058	<0.0059	<0.0064	<0.006	0.0018	<0.0057	<0.0055
Methylene chloride	0.00	0.01		<0.0058	<0.0059	<0.0064	<0.006	<0.006	<0.0069	<0.0055
Tetrachloroethene	0.00	0.01		<0.0058	<0.0059	<0.0064	<0.006	<0.006	<0.0057	<0.0055
Toluene	0.00	0.01		<0.0058	<0.0059	<0.0064	<0.006	0.00048	0.0012	<0.0055
Xylenes, total	0.00	0.01		<0.0058	<0.0059	<0.0064	<0.006	<0.006	<0.0057	<0.0055
Semivolatile Organic Compounds (mg/kg)										
1,2,4-Trichlorobenzene	0.24	0.48		<0.388	<0.391	<0.427	<0.397	<1.59	<0.383	<0.366
Bis(2-ethylhexyl)phthalate	0.32	0.64		<0.388	<0.391	<0.427	<0.397	<1.59	<0.383	<0.366
Di-*N*-butyl phthalate	0.26	0.52		<0.388	<0.391	<0.427	<0.397	<1.59	<0.383	<0.366
Fluoranthene	7.14	14.30		<0.388	<0.391	<0.427	<0.397	<1.59	<0.383	<0.366
Pyrene	7.31	14.60		<0.388	<0.391	<0.427	<0.397	<1.59	<0.383	<0.366
Pesticides/PCBs (mg/kg)										
alpha-BHC	0.00	0.00		0.00093	<0.00078					

Table E-3. Subsurface Soil Background (continued)

Location	Mean Background	2 × Mean Background	USGS Eastern U.S. Reference Values	SWMU 2	SWMU 3	SWMU 17	SWMU 18	SWMU 29	SWMU 31	SWMU 32
Station				02-MW5	03-MW5	17-MW1	18-MW1	29-MW5	31-MW1	32-MW1
Sample ID				021512	031512	171112	181112	291512	311112	321112
Date				01/14/98	01/16/98	01/30/98	02/01/98	01/29/98	01/28/98	01/30/98
Depth (feet)				13 to 15	3 to 5	8 to 9	3 to 3	3 to 4	5 to 6	3 to 4
Metals (mg/kg)										
Arsenic	4.02	8.04	7.4	1.3	2.8	0.78	1.6	0.44	1.5	<0.36
Barium	8.49	17.00	420	1.8	4.5	9.2	6.1	3.7	3.1	3.1
Cadmium	0.12	0.24	2	<0.05	<0.04	<0.05	<0.05	<0.05	<0.04	<0.04
Chromium	5.81	11.60	52	6.4	4.1	16.2	5.4	1.6	0.76	1.5
Lead	5.56	11.10	17	2.2	1.1	10.4	4.5	1.8	1.3	1.1
Mercury	0.02	0.05	0.12	<0.02	<0.02	0.03	<0.02	0.04	<0.02	0.04
Selenium	0.56	1.12	0.45	<0.16	<0.16	<0.18	<0.79		<0.2	
Silver	0.23	0.46	2.8	<0.07	<0.07	<0.08		<0.07	<0.07	<0.07
Radionuclides (pCi/g)										
Radium-226	0.55	1.09								
Radium-228	0.45	0.89								
Other Analytes (mg/kg)										
Total organic carbon	1,100.00	2,200.00								

Table E-3. Subsurface Soil Background (continued)

Location	Mean Background	2 × Mean Background	USGS Eastern U.S. Reference Values	SWMU 34	SWMU 35	Burn Pit C	Former 724th Tanker Purging Station	Burn Pit A	Burn Pit F
Station				**34-MW1**	**HA-05**	**MW-7**	**MW1**	**MW1**	**MW1**
Sample ID				**341112**	**WAHA-0502**	**4C1712**	**261112**	**FST004A-SL**	**FST004F-SL**
Date				**01/30/98**	**03/20/96**	**07/11/97**	**07/23/97**	**06/25/93**	**06/29/93**
Depth (feet)				**5 to 8**	**5 to 7**	**3 to 5**	**2 to 3**	**4 to 6**	**6 to 8**
Volatile Organic Compounds (mg/kg)									
2-Butanone	0.01	0.01				<0.0054	<0.0058		
2-Hexanone	0.01	0.01		<0.0115		<0.0054	<0.0058		
4-Methyl-2-pentanone	0.01	0.01		<0.0115		<0.0054	<0.0058		
Acetone	0.02	0.05		<0.0115		<0.0054	0.0108	<0.057	<0.057
Bromomethane	0.01	0.01		<0.0115		<0.0022	<0.0023		
Carbon disulfide	0.00	0.01		<0.0057		<0.0054	<0.0058	<0.0057	<0.0057
Methylene chloride	0.00	0.01		<0.0057		<0.0022	<0.006	<0.0057	0.006
Tetrachloroethene	0.00	0.01		<0.0057		<0.0022	<0.0023	0.0061	<0.0057
Toluene	0.00	0.01		<0.0057	<0.0056	<0.0022	0.0026	0.0081	<0.0057
Xylenes, total	0.00	0.01		<0.0057	<0.0056	<0.0022	<0.0023	0.0061	<0.0057
Semivolatile Organic Compounds (mg/kg)									
1,2,4-Trichlorobenzene	0.24	0.48		<0.383					
Bis(2-ethylhexyl)phthalate	0.32	0.64		0.712					
Di-*N*-butyl phthalate	0.26	0.52		0.193					
Fluoranthene	7.14	14.30		<0.383	<0.37		<0.376		
Pyrene	7.31	14.60		<0.383	<0.37		<0.376		
Pesticides/PCBs (mg/kg)									
alpha-BHC	0.00	0.00							

Table E-3. Subsurface Soil Background (continued)

Location			USGS Eastern U.S. Reference Values	SWMU 34	SWMU 35	Burn Pit C	Former 724th Tanker Purging Station	Burn Pit A	Burn Pit F
Station				34-MW1	HA-05	MW-7	MW1	MW1	MW1
Sample ID				341112	WAHA-0502	4C1712	261112	FST004A-SL	FST004F-SL
Date	Mean Background	2 × Mean Background		01/30/98	03/20/96	07/11/97	07/23/97	06/25/93	06/29/93
Depth (feet)				5 to 8	5 to 7	3 to 5	2 to 3	4 to 6	6 to 8
Metals (mg/kg)									
Arsenic	4.02	8.04	7.4	<0.37	56	<0.3	0.56	<1.1	<1.1
Barium	8.49	17.00	420	5.2	30	1.1	6.4	5.7	6.2
Cadmium	0.12	0.24	2	<0.05	<0.5	<0.1	<0.06	<0.57	<0.57
Chromium	5.81	11.60	52	2.8	19	1.2	4.3	9	5.1
Lead	5.56	11.10	17	2.1	23	1.6	4.7	9.4	16
Mercury	0.02	0.05	0.12	0.05	<0.03	0.03	<0.01	0.059	<0.011
Selenium	0.56	1.12	0.45		<1	<0.2	0.67	<5.7	<1.1
Silver	0.23	0.46	2.8	<0.07	<1	<0.07	<0.06	<1.1	<1.1
Radionuclides (pCi/g)									
Radium-226	0.55	1.09							
Radium-228	0.45	0.89							
Other Analytes (mg/kg)									
Total organic carbon	1,100.00	2,200.00					1,100		

Table E-3. Subsurface Soil Background (continued)

Location	Mean Background	2 × Mean Background	USGS Eastern U.S. Reference Values	Burn Pit D	Burn Pit B	Burn Pit E	SWMU 12A	SWMU 12A	SWMU 1
Station				MW2	MW3	MW3	SB01-MW-1	SB01-MW-1	SC-M17
Sample ID				FST004D-SL	FST004B-SL	FST004E-SL	SB1SL2	SB1SL3	011712
Date				06/24/93	06/28/93	06/30/93	9/24/96	9/24/96	11/16/97
Depth (feet)				4 to 6	6 to 8	6 to 8	2 to 4	4 to 6	5 to 8
Volatile Organic Compounds (mg/kg)									
2-Butanone	0.01	0.01							<0.0222
2-Hexanone	0.01	0.01							<0.0222
4-Methyl-2-pentanone	0.01	0.01							<0.0222
Acetone	0.02	0.05		0.11	<0.057	<0.058			0.0254
Bromomethane	0.01	0.01							<0.0222
Carbon disulfide	0.00	0.01		<0.0056	<0.0057	<0.0058			<0.0111
Methylene chloride	0.00	0.01		<0.0056	<0.0057	<0.0058			<0.0111
Tetrachloroethene	0.00	0.01		<0.0056	<0.0057	<0.0058			<0.0111
Toluene	0.00	0.01		0.021	<0.0057	<0.0058			<0.0111
Xylenes, total	0.00	0.01		0.022	<0.0057	<0.0058			<0.0111
Semivolatile Organic Compounds (mg/kg)									
1,2,4-Trichlorobenzene	0.24	0.48							0.0022
Bis(2-ethylhexyl)phthalate	0.32	0.64							<0.363
Di-*N*-butyl phthalate	0.26	0.52							<0.363
Fluoranthene	7.14	14.30					83		<0.363
Pyrene	7.31	14.60					85		<0.363
Pesticides/PCBs (mg/kg)									
alpha-BHC	0.00	0.00							<0.00073

Table E-3. Subsurface Soil Background (continued)

Location	Mean Background	2 × Mean Background	USGS Eastern U.S. Reference Values	Burn Pit D	Burn Pit B	Burn Pit E	SWMU 12A	SWMU 12A	SWMU 1
Station				MW2	MW3	MW3	SB01-MW-1	SB01-MW-1	SC-M17
Sample ID				FST004D-SL	FST004B-SL	FST004E-SL	SB1SL2	SB1SL3	011712
Date				06/24/93	06/28/93	06/30/93	9/24/96	9/24/96	11/16/97
Depth (feet)				4 to 6	6 to 8	6 to 8	2 to 4	4 to 6	5 to 8
Metals (mg/kg)									
Arsenic	4.02	8.04	7.4	<1.1	<1.1	<1.2			<0.13
Barium	8.49	17.00	420	5.9	3.7	8.5	20	30	7.1
Cadmium	0.12	0.24	2	<0.56	<0.57	<0.58			<0.04
Chromium	5.81	11.60	52	3.3	4.5	9.5	4	9	2.8
Lead	5.56	11.10	17	3.7	2.7	5.2	4.1	7.5	3.2
Mercury	0.02	0.05	0.12	0.016	<0.011	0.062			0.01
Selenium	0.56	1.12	0.45	<1.1	<1.1	<2.3			<0.29
Silver	0.23	0.46	2.8	<1.1	<1.1	<1.2			<0.02
Radionuclides (pCi/g)									
Radium-226	0.55	1.09							0.547
Radium-228	0.45	0.89							0.445
Other Analytes (mg/kg)									
Total organic carbon	1,100.00	2,200.00							

Table E-4. Statistical Analysis of Surface Soil Background Data

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist.[a]	Reference Background Criteria[b]
Metals (mg/kg)									
Arsenic	7.4	7/12	58.33	1.05	139	0.43	5.10	L	2.1
Barium	420	12/12	100.00	7.37	79	0.77	21.90	L	14.7
Cadmium	2	4/12	33.33	0.0875	116	0.05	0.33	D	0.175
Chromium	52	12/13	92.31	3.1	116	0.21	12.10	L	6.21
Lead	17	13/13	100.00	4.41	74.4	0.48	11.00	L	8.81
Mercury	0.12	5/12	41.67	0.0171	74.3	0.01	0.04	D	0.0342
Selenium	0.45	1/9	11.11	0.203	105	0.63	0.63	D	0.406
Silver	2.8	1/11	9.09	0.075	189	0.06	0.06	D	0.15
Pesticides/PCBs (mg/kg)									
4,4'-DDD		0/3	0.00	0.00075	0			O	0.0015
4,4'-DDE		1/3	33.33	0.000867	23.3	0.00	0.00	D	0.00173
4,4'-DDT		1/3	33.33	0.0013	73.3	0.00	0.00	D	0.0026
Aldrin		0/3	0.00	0.000375	2.31			O	0.00075
alpha-Chlordane		0/3	0.00	0.000375	2.31			O	0.00075
alpha-BHC		0/3	0.00	0.000375	2.31			O	0.00075
Aroclor-1016		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1221		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1232		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1242		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1248		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1254		0/3	0.00	0.00187	1.55			O	0.00373
Aroclor-1260		0/3	0.00	0.00187	1.55			O	0.00373
beta-BHC		0/3	0.00	0.000375	2.31			O	0.00075
delta-BHC		0/3	0.00	0.000375	2.31			O	0.00075
Dieldrin		0/3	0.00	0.00075	0			O	0.0015
Endosulfan I		0/3	0.00	0.000375	2.31			O	0.00075
Endosulfan II		0/3	0.00	0.00075	0			O	0.0015
Endosulfan sulfate		0/3	0.00	0.00075	0			O	0.0015
Endrin		0/3	0.00	0.00075	0			O	0.0015
Endrin ketone		0/3	0.00	0.00075	0			O	0.0015

Note: Footnotes appear on page E-23.

Table E-4. Statistical Analysis of Surface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist.[a]	Reference Background Criteria[b]
gamma-Chlordane		0/3	0.00	0.000375	2.31			O	0.00075
gamma-BHC (Lindane)		0/3	0.00	0.000375	2.31			O	0.00075
Heptachlor		0/3	0.00	0.000375	2.31			O	0.00075
Heptachlor epoxide		0/3	0.00	0.000375	2.31			O	0.00075
Methoxychlor		1/3	33.33	0.00348	14.7	0.00	0.00	D	0.00697
Toxaphene		0/3	0.00	0.0188	1.93			O	0.0376
Semivolatile Organic Compounds (mg/kg)									
1,2,4-Trichlorobenzene		0/10	0.00	0.245	69.1			O	0.49
1,2-Dichlorobenzene		0/10	0.00	0.245	69.1			O	0.49
1,3-Dichlorobenzene		0/10	0.00	0.245	69.1			O	0.49
1,4-Dichlorobenzene		0/10	0.00	0.245	69.1			O	0.49
1-Methylnaphthalene		0/1	0.00	0.18				O	0.36
2,2'-Oxybis (1-chloropropane)		0/9	0.00	0.251	70.9			O	0.503
2,4,5-Trichlorophenol		0/10	0.00	0.554	82.7			O	1.11
2,4,6-Trichlorophenol		0/10	0.00	0.245	69.1			O	0.49
2,4-Dichlorophenol		0/10	0.00	0.245	69.1			O	0.49
2,4-Dimethylphenol		0/10	0.00	0.245	69.1			O	0.49
2,4-Dinitrophenol		0/10	0.00	0.593	72.7			O	1.19
2,4-Dinitrotoluene		0/10	0.00	0.245	69.1			O	0.49
2,6-Dinitrotoluene		0/10	0.00	0.245	69.1			O	0.49
2-Chloronaphthalene		0/11	0.00	0.24	67.5			O	0.479
2-Chlorophenol		0/10	0.00	0.245	69.1			O	0.49
2-Methylnaphthalene		0/11	0.00	0.239	67.7			O	0.478
2-Methylphenol		0/10	0.00	0.245	69.1			O	0.49
2-Nitroaniline		0/10	0.00	0.554	82.7			O	1.11
2-Nitrophenol		0/10	0.00	0.245	69.1			O	0.49
3,3'-Dichlorobenzidine		0/10	0.00	0.605	63.4			O	1.21
3-Nitroaniline		0/10	0.00	0.554	82.7			O	1.11
4,6-Dinitro-o-cresol		0/10	0.00	0.593	72.7			O	1.19
4-Bromophenyl-phenyl ether		0/10	0.00	0.245	69.1			O	0.49

Note: Footnotes appear on page E-23.

Table E-4. Statistical Analysis of Surface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist.[a]	Reference Background Criteria[b]
4-Chloroaniline		0/10	0.00	0.245	69.1			O	0.49
4-Chlorophenyl-phenyl ether		0/10	0.00	0.245	69.1			O	0.49
4-Methylphenol		0/10	0.00	0.245	69.1			O	0.49
4-Nitroaniline		0/10	0.00	0.554	82.7			O	1.11
4-Nitrophenol		0/10	0.00	0.593	72.7			O	1.19
4-Chloro-3-methylphenol		0/10	0.00	0.245	69.1			O	0.49
Acenaphthene		0/12	0.00	0.235	66.1			O	0.469
Acenaphthylene		0/12	0.00	0.235	66.1			O	0.469
Anthracene		0/12	0.00	0.235	66.1			O	0.469
Benzo(*a*)anthracene		0/12	0.00	0.235	66.1			O	0.469
Benzo(*a*)pyrene		0/12	0.00	0.235	66.1			O	0.469
Benzo(*b*)fluoranthene		0/13	0.00	0.23	64.8			O	0.461
Benzo(*g,h,i*)perylene		0/12	0.00	0.235	66.1			O	0.469
Benzo(*k*)fluoranthene		0/12	0.00	0.235	66.1			O	0.469
Benzoic acid		0/1	0.00	0.373				O	0.746
Benzyl alcohol		0/1	0.00	0.187				O	0.373
Bis(2-chloroisopropyl)ether		0/1	0.00	0.187				O	0.373
Bis(2-chloroethoxy)methane		0/10	0.00	0.245	69.1			O	0.49
Bis(2-chloroethyl)ether		0/10	0.00	0.245	69.1			O	0.49
Bis(2-ethylhexyl)phthalate		0/10	0.00	0.245	69.1			O	0.49
Butyl benzyl phthalate		0/10	0.00	0.245	69.1			O	0.49
Carbazole		0/10	0.00	0.245	69.1			O	0.49
Chrysene		0/12	0.00	0.235	66.1			O	0.469
Di-*N*-butyl phthalate		0/10	0.00	0.245	69.1			O	0.49
Di-*N*-octyl phthalate		0/10	0.00	0.245	69.1			O	0.49
Dibenzo(*a,h*)anthracene		0/12	0.00	0.235	66.1			O	0.469
Dibenzofuran		0/10	0.00	0.245	69.1			O	0.49
Diethyl phthalate		0/10	0.00	0.245	69.1			O	0.49
Dimethyl phthalate		0/10	0.00	0.245	69.1			O	0.49
Fluoranthene		0/12	0.00	0.235	66.1			O	0.469
Fluorene		0/12	0.00	0.235	66.1			O	0.469

Note: Footnotes appear on page E-23.

Table E-4. Statistical Analysis of Surface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist.[a]	Reference Background Criteria[b]
Hexachlorobenzene		0/10	0.00	0.245	69.1			O	0.49
Hexachlorobutadiene		0/10	0.00	0.245	69.1			O	0.49
Hexachlorocyclopentadiene		0/10	0.00	0.245	69.1			O	0.49
Hexachloroethane		0/10	0.00	0.245	69.1			O	0.49
Indeno(*1,2,3-cd*)pyrene		0/12	0.00	0.235	66.1			O	0.469
Isophorone		0/10	0.00	0.245	69.1			O	0.49
N-Nitroso-di-*N*-propylamine		0/10	0.00	0.245	69.1			O	0.49
N-Nitrosodiphenylamine		0/10	0.00	0.245	69.1			O	0.49
Naphthalene		0/12	0.00	0.235	66.1			O	0.469
Nitrobenzene		0/10	0.00	0.245	69.1			O	0.49
Pentachlorophenol		0/10	0.00	0.554	82.7			O	1.11
Phenanthrene		0/12	0.00	0.235	66.1			O	0.469
Phenol		0/10	0.00	0.245	69.1			O	0.49
Pyrene		0/12	0.00	0.235	66.1			O	0.469
Volatile Organic Compounds (mg/kg)									
1,1,1-Trichloroethane		0/10	0.00	0.00295	37.7			O	0.00589
1,1,2,2-Tetrachloroethane		0/10	0.00	0.00295	37.7			O	0.00589
1,1,2-Trichloroethane		0/10	0.00	0.00295	37.7			O	0.00589
1,1-Dichloroethane		0/10	0.00	0.00295	37.7			O	0.00589
1,1-Dichloroethene		2/10	20.00	0.00248	63.6	0.00	0.00	D	0.00495
1,2-Dichloroethane		0/10	0.00	0.00295	37.7			O	0.00589
1,2-Dichloroethene		0/8	0.00	0.00283	5.27			O	0.00565
1,2-Dichloropropane		0/10	0.00	0.00295	37.7			O	0.00589
1,2-*cis*-Dichloroethene		0/2	0.00	0.00343	93.9			O	0.00685
1,2-*trans*-Dichloroethene		0/2	0.00	0.00343	93.9			O	0.00685
1,3-*cis*-Dichloropropene		0/10	0.00	0.00295	37.7			O	0.00589
1,3-*trans*-Dichloropropene		0/10	0.00	0.00295	37.7			O	0.00589
2-Butanone		1/6	16.67	0.00548	61.4	0.00	0.00	D	0.011
2-Hexanone		1/10	10.00	0.00545	47.9	0.00	0.00	D	0.0109
4-Methyl-2-pentanone		1/10	10.00	0.00545	47.9	0.00	0.00	D	0.0109
Acetone		2/7	28.57	0.00728	66	0.00	0.01	D	0.0146

Note: Footnotes appear on page E-23.

Table E-4. Statistical Analysis of Surface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist.[a]	Reference Background Criteria[b]
Benzene		1/11	9.09	0.00272	47.8	0.00	0.00	D	0.00544
Bromodichloromethane		0/10	0.00	0.00295	37.7			O	0.00589
Bromoform		0/10	0.00	0.00295	37.7			O	0.00589
Bromomethane		1/10	10.00	0.00535	51.1	0.00	0.00	D	0.0107
Carbon disulfide		1/10	10.00	0.00298	34.8	0.00	0.00	D	0.00595
Carbon tetrachloride		0/10	0.00	0.00295	37.7			O	0.00589
Chlorobenzene		0/10	0.00	0.00295	37.7			O	0.00589
Chloroethane		0/10	0.00	0.00576	42.2			O	0.0115
Chloroform		0/10	0.00	0.00295	37.7			O	0.00589
Chloromethane		0/10	0.00	0.00576	42.2			O	0.0115
Dibromochloromethane		0/10	0.00	0.00295	37.7			O	0.00589
Ethylbenzene		1/11	9.09	0.00273	47.4	0.00	0.00	D	0.00546
Methylene chloride		0/10	0.00	0.0037	45.8			O	0.00739
Styrene		0/10	0.00	0.00295	37.7			O	0.00589
Tetrachloroethene		0/10	0.00	0.00295	37.7			O	0.00589
Toluene		6/11	54.55	0.00609	122	0.00	0.03	L	0.0122
Trichloroethene		1/10	10.00	0.00272	50.8	0.00	0.00	D	0.00544
Vinyl chloride		0/10	0.00	0.00576	42.2			O	0.0115
Xylenes, total		0/11	0.00	0.00293	36			O	0.00585
Radionuclides (pCi/g)									
Radium-226		1/1	100.00	0.428		0.43	0.43	X	0.856
Radium-228		1/1	100.00	0.851		0.85	0.85	X	1.7

[a]Results less than the detection limit were set to one-half the reported detection limit. For radionuclides, the reported result was used to calculate the mean.
Distribution codes:
D = Distribution not determined because fewer than 5 detects or less than 50 percent detects (t-distribution).
L = Distribution most similar to lognormal [land statistic used for upper confidence limit (UCL)].
N = Distribution most similar to normal (t-distribution used for UCL).
O = Analyte not detected in any sample.
X = Distribution significantly different from normal and lognormal (t-distribution used for UCL).
[b]If a chemical was not detected, the reference background criterion was the mean of the detection limit. However, organic constituents were screened against zero because they are considered man-made.

Table E-5. Statistical Analysis of Subsurface Soil Background Data

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist.[a]	Reference Background Criteria[b]
Metals (mg/kg)									
Arsenic	7.40	8/17	47.06	4.02	334	0.44	56.00	D	8.04
Barium	420.00	19/19	100.00	8.49	101	1.10	30.00	L	17
Cadmium	2.00	0/17	0.00	0.115	109			O	0.231
Chromium	52.00	19/19	100.00	5.81	84.5	0.76	19.00	L	11.6
Lead	17.00	19/19	100.00	5.56	103	1.10	23.00	L	11.1
Mercury	0.12	9/17	52.94	0.024	81.4	0.01	0.06	L	0.048
Selenium	0.45	1/14	7.14	0.558	131	0.67	0.67	D	1.12
Silver	2.80	0/16	0.00	0.227	115			O	0.453
Other Analytes									
Total organic carbon		1/1	100.00	1100		1,100.00	1,100.00	X	2200
Pesticides/PCBs (mg/kg)									
4,4'-DDD		0/3	0.00	0.00075	6.67			O	0.0015
4,4'-DDE		0/3	0.00	0.00075	6.67			O	0.0015
4,4'-DDT		0/3	0.00	0.00075	6.67			O	0.0015
Aldrin		0/3	0.00	0.000378	3.33			O	0.000757
alpha-Chlordane		0/3	0.00	0.000378	3.33			O	0.000757
alpha-BHC		1/3	33.33	0.000562	56.8	0.00	0.00	D	0.00112
Aroclor-1016		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1221		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1232		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1242		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1248		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1254		0/3	0.00	0.00188	4.06			O	0.00377
Aroclor-1260		0/3	0.00	0.00188	4.06			O	0.00377
beta-BHC		0/3	0.00	0.000378	3.33			O	0.000757
delta-BHC		0/3	0.00	0.000378	3.33			O	0.000757
Dieldrin		0/3	0.00	0.00075	6.67			O	0.0015
Endosulfan I		0/3	0.00	0.000378	3.33			O	0.000757
Endosulfan II		0/3	0.00	0.00075	6.67			O	0.0015
Endosulfan sulfate		0/3	0.00	0.00075	6.67			O	0.0015

Note: Footnotes appear on page E-28.

Table E-5. Statistical Analysis of Subsurface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist.[a]	Reference Background Criteria[b]
Endrin		0/3	0.00	0.00075	6.67			O	0.0015
Endrin ketone		0/3	0.00	0.00075	6.67			O	0.0015
Gamma chlordane		0/3	0.00	0.000378	3.33			O	0.000757
gamma-BHC (Lindane)		0/3	0.00	0.000378	3.33			O	0.000757
Heptachlor		0/3	0.00	0.000378	3.33			O	0.000757
Heptachlor epoxide		0/3	0.00	0.000378	3.33			O	0.000757
Methoxychlor		0/3	0.00	0.00378	3.33			O	0.00757
Toxaphene		0/3	0.00	0.0189	3.58			O	0.0378
Semivolatile Organic Compounds (mg/kg)									
1,2,4-Trichlorobenzene		1/9	11.11	0.241	90.5	0.00	0.00	D	0.481
1,2-Dichlorobenzene		0/9	0.00	0.26	77.1			O	0.521
1,3-Dichlorobenzene		0/9	0.00	0.26	77.1			O	0.521
1,4-Dichlorobenzene		0/9	0.00	0.26	77.1			O	0.521
1-Methylnaphthalene		0/1	0.00	0.185				O	0.37
2,2'-Oxybis (1-chloropropane)		0/9	0.00	0.26	77.1			O	0.521
2,4,5-Trichlorophenol		0/9	0.00	0.618	84.4			O	1.24
2,4,6-Trichlorophenol		0/9	0.00	0.26	77.1			O	0.521
2,4-Dichlorophenol		0/9	0.00	0.26	77.1			O	0.521
2,4-Dimethylphenol		0/9	0.00	0.26	77.1			O	0.521
2,4-Dinitrophenol		0/9	0.00	0.64	79			O	1.28
2,4-Dinitrotoluene		0/9	0.00	0.26	77.1			O	0.521
2,6-Dinitrotoluene		0/9	0.00	0.26	77.1			O	0.521
2-Chloronaphthalene		0/10	0.00	0.253	75.3			O	0.506
2-Chlorophenol		0/9	0.00	0.26	77.1			O	0.521
2-Methylnaphthalene		0/10	0.00	0.253	75.4			O	0.506
2-Methylphenol		0/9	0.00	0.26	77.1			O	0.521
2-Nitroaniline		0/9	0.00	0.618	84.4			O	1.24
2-Nitrophenol		0/9	0.00	0.26	77.1			O	0.521
3,3'-Dichlorobenzidine		0/9	0.00	0.586	72.5			O	1.17
3-Nitroaniline		0/9	0.00	0.618	84.4			O	1.24

Note: Footnotes appear on page E-28.

Table E-5. Statistical Analysis of Subsurface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist.[a]	Reference Background Criteria[b]
4,6-Dinitro-o-cresol		0/9	0.00	0.64	79			O	1.28
4-Bromophenyl-phenyl ether		0/9	0.00	0.26	77.1			O	0.521
4-Chloroaniline		0/9	0.00	0.26	77.1			O	0.521
4-Chlorophenyl-phenyl ether		0/9	0.00	0.26	77.1			O	0.521
4-Methylphenol		0/9	0.00	0.26	77.1			O	0.521
4-Nitroaniline		0/9	0.00	0.618	84.4			O	1.24
4-Nitrophenol		0/9	0.00	0.64	79			O	1.28
4-Chloro-3-methylphenol		0/9	0.00	0.26	77.1			O	0.521
Acenaphthene		0/11	0.00	0.247	73.7			O	0.494
Acenaphthylene		0/11	0.00	0.247	73.7			O	0.494
Anthracene		0/11	0.00	0.247	73.7			O	0.494
Benzo(*a*)anthracene		0/11	0.00	0.247	73.7			O	0.494
Benzo(*a*)pyrene		0/11	0.00	0.247	73.7			O	0.494
Benzo(*b*)fluoranthene		0/11	0.00	0.247	73.7			O	0.494
Benzo(*g,h,i*)perylene		0/11	0.00	0.247	73.7			O	0.494
Benzo(*k*)fluoranthene		0/11	0.00	0.247	73.7			O	0.494
Benzoic acid		0/9	0.00	0.26	77.1			O	0.521
Benzyl alcohol		0/9	0.00	0.26	77.1			O	0.521
Bis(2-chloroisopropyl)ether		1/9	11.11	0.318	77.9	0.71	0.71	D	0.637
Bis(2-chloroethoxy)methane		0/9	0.00	0.26	77.1			O	0.521
Bis(2-chloroethyl)ether		0/9	0.00	0.26	77.1			O	0.521
Bis(2-ethylhexyl)phthalate		0/11	0.00	0.247	73.7			O	0.494
Butyl benzyl phthalate		1/9	11.11	0.261	77	0.19	0.19	D	0.521
Carbazole		0/9	0.00	0.26	77.1			O	0.521
Chrysene		0/11	0.00	0.247	73.7			O	0.494
Di-*N*-butyl phthalate		0/9	0.00	0.26	77.1			O	0.521
Di-*N*-octyl phthalate		0/9	0.00	0.26	77.1			O	0.521
Dibenzo(*a,h*)anthracene		0/9	0.00	0.26	77.1			O	0.521
Dibenzofuran		1/12	8.33	7.14	334	83.00	83.00	D	14.3
Diethyl phthalate		0/11	0.00	0.247	73.7			O	0.494
Dimethyl phthalate		0/9	0.00	0.26	77.1			O	0.521

Note: Footnotes appear on page E-28.

Table E-5. Statistical Analysis of Subsurface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist.[a]	Reference Background Criteria[b]
Fluoranthene		0/9	0.00	0.26	77.1			O	0.521
Fluorene		0/9	0.00	0.26	77.1			O	0.521
Hexachlorobenzene		0/9	0.00	0.26	77.1			O	0.521
Hexachlorobutadiene		0/11	0.00	0.247	73.7			O	0.494
Hexachlorocyclopentadiene		0/9	0.00	0.26	77.1			O	0.521
Hexachloroethane		0/9	0.00	0.26	77.1			O	0.521
Indeno(*1,2,3-cd*)pyrene		0/9	0.00	0.26	77.1			O	0.521
Isophorone		0/11	0.00	0.247	73.7			O	0.494
N-Nitroso-di-*N*-propylamine		0/9	0.00	0.26	77.1			O	0.521
N-Nitrosodiphenylamine		0/9	0.00	0.618	84.4			O	1.24
Naphthalene		0/11	0.00	0.247	73.7			O	0.494
Nitrobenzene		0/9	0.00	0.26	77.1			O	0.521
Pentachlorophenol		1/12	8.33	7.31	335	85.00	85.00	D	14.6
Phenanthrene		0/16	0.00	0.00285	33.2			O	0.00569
Phenol		0/10	0.00	0.00285	42.9			O	0.00569
Pyrene		0/11	0.00	0.00285	40.7			O	0.00569
Volatile Organic Compounds (mg/kg)									
1,1-Dichloroethane		0/11	0.00	0.00285	40.7			O	0.00569
1,1-Dichloroethene		0/11	0.00	0.00285	40.7			O	0.00569
1,2-Dichloroethane		0/11	0.00	0.00285	40.7			O	0.00569
1,2-Dichloroethene		0/8	0.00	0.00294	4.62			O	0.00588
1,2-Dichloropropane		0/11	0.00	0.00285	40.7			O	0.00569
1,2-*cis*-Dichloroethene		0/3	0.00	0.0026	98.3			O	0.0052
1,2-*trans*-Dichloroethene		0/3	0.00	0.0026	98.3			O	0.0052
1,3-*cis*-Dichloropropene		0/11	0.00	0.00285	40.7			O	0.00569
1,3-*trans*-Dichloropropene		0/11	0.00	0.00285	40.7			O	0.00569
2-Butanone		1/7	14.29	0.00505	64.3	0.00	0.00	D	0.0101
2-Hexanone		1/11	9.09	0.00535	48.2	0.00	0.00	D	0.0107
4-Methyl-2-pentanone		1/11	9.09	0.00535	48.2	0.00	0.00	D	0.0107
Acetone		6/15	40.00	0.0249	110	0.01	0.11	D	0.0498
Benzene		0/17	0.00	0.00284	32.2			O	0.00569

Note: Footnotes appear on page E-28.

Table E-5. Statistical Analysis of Subsurface Soil Background Data (continued)

Analyte	USGS Eastern U.S. Reference	Results >Det. Limit	%Results >Det. Limit	Average Result	CV	Min Detect	Max Detect	Dist.[a]	Reference Background Criteria[b]
Bromodichloromethane		0/11	0.00	0.00285	40.7			O	0.00569
Bromoform		0/11	0.00	0.00285	40.7			O	0.00569
Bromomethane		1/11	9.09	0.00513	55.8	0.00	0.00	D	0.0103
Carbon disulfide		1/16	6.25	0.00298	25	0.00	0.00	D	0.00596
Carbon tetrachloride		0/11	0.00	0.00285	40.7			O	0.00569
Chlorobenzene		0/11	0.00	0.00285	40.7			O	0.00569
Chloroethane		0/11	0.00	0.00549	48.6			O	0.011
Chloroform		0/11	0.00	0.00285	40.7			O	0.00569
Chloromethane		0/11	0.00	0.00549	48.6			O	0.011
Dibromochloromethane		0/11	0.00	0.00285	40.7			O	0.00569
Ethylbenzene		0/17	0.00	0.00284	32.2			O	0.00569
Methylene chloride		1/16	6.25	0.0032	35.1	0.01	0.01	D	0.00639
Styrene		0/11	0.00	0.00285	40.7			O	0.00569
Tetrachloroethene		1/16	6.25	0.00305	40.9	0.01	0.01	D	0.0061
Toluene		5/17	29.41	0.00406	115	0.00	0.02	D	0.00813
Trichloroethene		0/11	0.00	0.00285	40.7			O	0.00569
Vinyl chloride		0/11	0.00	0.00549	48.6			O	0.011
Xylenes, total		2/17	11.76	0.00416	114	0.01	0.02	D	0.00833
Radionuclides (pCi/g)									
Radium-226		1/1	100.00	0.547		0.55	0.55	X	1.09
Radium-228		1/1	100.00	0.445		0.45	0.45	X	0.89

[a]Results less than the detection limit were set to one-half the reported detection limit. For radionuclides, the reported result was used to calculate the mean.
Distribution codes:
D = Distribution not determined because fewer than 5 detects or less than 50 percent detects (t-distribution).
L = Distribution most similar to lognormal [land statistic used for upper confidence limit (UCL)].
N = Distribution most similar to normal (t-distribution used for UCL).
O = Analyte not detected in any sample.
X = Distribution significantly different from normal and lognormal (t-distribution used for UCL).
[b]If a chemical was not detected, the reference background criterion was the mean of the detection limit. However, organic constituents were screened against zero because they are considered man-made.