



IMA

2008 Supplemental Site Investigation Data Package

FINAL



3d Inf Div (Mech)

**Former Pumphouse #1, Release #1
Facility ID #9-025085*1
Former Building 8060
Hunter Army Airfield, Georgia**

Prepared for



**U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT**

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1.1 INTRODUCTION

Former Underground Storage Tanks (USTs) 30 through 39 and 50 at former Pumphouse #1, Facility ID #9-025085*1 were located near former Building 8060 at Hunter Army Airfield (HAAF), Georgia. Former Pumphouse #1 was an aviation-gas fuel island located along the east-west taxiway of HAAF that was used from about 1953 until the early 1970s, and it consisted of ten 25,000-gal USTs and a 50,000-gal underground defueling tank. The pumphouse was inactive from the 1970s to 1995. Eight of the 25,000-gal USTs were removed in 1995. The 50,000-gal defueling tank and two of the 25,000-gal tanks remained in place, partially under the pumphouse structure. In 1998, the pumphouse structure was removed, along with the two remaining 25,000-gal USTs, and the 50,000-gal defueling tank was closed in place. The piping from the boundary of the pumphouse facility to the bulk fuel farm was also drained, pigged, and grouted in place.

As indicated in the former Pumphouse #1 Corrective Action Plan (CAP)–Part B Report, two distinct and separate plumes are located within the vicinity of the former Pumphouse #1 site. Release #1 is an area of soil and groundwater contamination located near the Departure/Arrival Air Control Group (DAACG) facility that is in the vicinity of former Fuel Pits 1A and 1B, located approximately 900 ft west of former Building 8060 (i.e., Pumphouse #1). Release #2 is an area of soil and groundwater contamination located near the former Pumphouse #1 facility and former Fuel Pits 1C and 1D, located approximately 200 ft north of the former tank pits. The corrective actions at Release #1 and Release #2 are being addressed separately.

In January 2008, 45 soil borings were installed throughout the identified plume at Pumphouse #1, Release #1 to fully delineate the current soil and groundwater contamination as shown in Figure 1. The purpose of the supplemental investigation was to gather sufficient data to support the selection and design of a remedial alternative. The results of the supplemental investigation are presented in this document.

1.2 SUPPLEMENTAL INVESTIGATION AT RELEASE #1 – JANUARY 2008

1.2.1 Subsurface Soil Sampling

Forty-five boreholes were installed to the groundwater table using direct-push technology (DPT) within the area of soil and groundwater contamination that was identified in the CAP–Part B Report (SAIC 2000). Data regarding the borehole installation is provided in Table 1 and boring logs are provided in Appendix A. One soil sample was collected from each boring at the depth interval with the highest photoionization detector (PID) reading. The soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) using the U.S. Environmental Protection Agency (EPA) Method 8021B/8260B, polynuclear aromatic hydrocarbons (PAHs) using EPA Method 8270C, and lead using EPA Method 6010B.

The analytical results from the soil sampling are summarized in Tables 2 and 3 and Figures 2 and 3. Laboratory analytical data sheets are provided in Appendix B. The analytical results of the supplemental investigation are summarized below.

BTEX

- Benzene was detected in 4 of 45 samples at concentrations ranging from 0.000609J to 0.259 mg/kg. However, there were seven samples with elevated detection limits greater than 0.1 mg/kg. The concentrations and elevated detection limits in eight samples exceeded the soil threshold level (STL) of 0.017 mg/kg, but did not exceed the approved alternate concentration limit (ATL) of 9.3 mg/kg.

- Toluene was detected in 31 of 45 samples at concentrations ranging from 0.000454J to 52 mg/kg. The concentrations did not exceed the STL of 115 mg/kg or the approved ATL of 479 mg/kg.
- Ethylbenzene was detected in 35 of 45 samples at concentrations ranging from 0.000313J to 16.2 mg/kg. The concentrations did not exceed the STL of 18 mg/kg or the approved ATL of 187 mg/kg.
- Xylenes (total) were detected in 45 of 45 samples at concentrations ranging from 0.000302J to 74 mg/kg. The concentrations did not exceed the STL of 700 mg/kg or the approved ATL of 893 mg/kg.

PAHs

- 2-Methylnaphthalene was detected in 24 of 45 samples at concentrations ranging from 0.00796J to 0.273 mg/kg. 2-Methylnaphthalene is not listed in Table B, Column 1 of Chapter 391-3-15-.09; however, using naphthalene as a surrogate chemical, there would be no STL.
- Acenaphthene was detected in 6 of 45 samples at concentrations ranging from 0.0175J to 0.046 mg/kg. There is no STL for this constituent because the health-based threshold level exceeds the expected soil concentration under free product condition.
- Acenaphthylene was detected in 1 of 45 samples at concentration of 0.201 mg/kg. Acenaphthylene is not listed in Table B, Column 1 of Chapter 391-3-15-.09; however, using acenaphthene as a surrogate chemical, there would be no STL.
- Anthracene was detected in 9 of 45 samples at concentrations ranging from 0.00718J to 0.0709 mg/kg. There is no STL for this constituent because the health-based threshold level exceeds the expected soil concentration under free product condition.
- Benzo(a)anthracene was detected in 7 of 45 samples at concentrations ranging from 0.0115J to 0.914 mg/kg. One of the concentrations exceeded the STL of 0.66 mg/kg. An ATL was not calculated for this constituent as part of the CAP-Part B Report; however, using the same methodology used for the other constituents, the ATL would be 4.7 mg/kg (i.e., $ATL = K_{oc} \times f_{cs} \times C_{std} \times DAF_w = 125,719 \text{ mL/g} \times 0.0117 \times 4.9E-05 \text{ mg/L} \times 65.8 = 4.7 \text{ mg/kg}$). None of the concentrations exceeded this potential ATL.
- Benzo(a)pyrene was detected in 3 of 45 samples at concentrations ranging from 0.013J to 0.656 mg/kg. None of the concentrations exceeded the STL of 0.66 mg/kg or the approved ATL of 1.4 mg/kg.
- Benzo(b)fluoranthene was detected in 7 of 45 samples at concentrations ranging from 0.0129J to 0.965 mg/kg. One of the concentrations exceeded the STL of 0.66 mg/kg, but did not exceed the approved ATL of 5.8 mg/kg.
- Benzo(g,h,i)perylene was detected in 1 of 45 samples at a concentration of 0.0125J mg/kg. The concentration did not exceed the STL of 0.66 mg/kg.
- Benzo(k)fluoranthene was detected in 1 of 45 samples at a concentration of 0.431 mg/kg. The concentration did not exceed the STL of 0.66 mg/kg.

- Chrysene was detected in 6 of 45 samples at concentrations ranging from 0.0122J to 1.03 mg/kg. One of the concentrations exceeded the STL of 0.66 mg/kg, but did not exceed the approved ATL of 2.1 mg/kg.
- Dibenz(*a,h*)anthracene was detected in 1 of 45 samples at a concentration of 0.175 mg/kg. The concentration did not exceed the STL of 0.66 mg/kg.
- Fluoranthene was detected in 19 of 45 samples at concentrations ranging from 0.0152J to 0.946 mg/kg. There is no STL for this constituent because the health-based threshold level exceeds the expected soil concentration under free product condition.
- Fluorene was detected in 18 of 45 samples at concentrations ranging from 0.0108J to 0.115 mg/kg. There is no STL for this constituent because the health-based threshold level exceeds the expected soil concentration under free product condition.
- Indeno(1,2,3-*cd*)pyrene was detected in 1 of 45 samples at a concentration of 0.351 mg/kg. The concentration did not exceed the STL of 0.66 mg/kg or the approved ATL of 0.66 mg/kg.
- Naphthalene was detected in 9 of 45 samples at concentrations ranging from 0.0245J to 0.142 mg/kg. There is no STL for this constituent because the health-based threshold level exceeds the expected soil concentration under free product condition.
- Phenanthrene was detected in 20 of 45 samples at concentrations ranging from 0.0118J to 0.332 mg/kg. There is no STL for this constituent because the health-based threshold level exceeds the expected soil concentration under free product condition.
- Pyrene was detected in 16 of 45 samples at concentrations ranging from 0.0129J to 1.83 mg/kg. There is no STL for this constituent because the health-based threshold level exceeds the expected soil concentration under free product condition.

Metals

- Lead was detected in 45 of 45 samples at concentrations ranging from 0.987J to 127 mg/kg. Lead is not listed in Table B, Column 1 of Chapter 391-3-15-.09; however, the Type 1 or Type 3 risk reduction standard from Chapter 391-3-19-.07 (Hazardous Site Response) may be applicable regulatory levels due to the known historical presence of lead in aviation fuel. The concentrations in two samples exceed the Type 1 RRS (Table 2, Chapter 391-3-19, Appendix III) of 75 mg/kg; however, none of the concentrations exceeded the Type 3 RRS [Chapter 391-3-19-.07(8)(d)(iii)] of 400 mg/kg.

Summary of Subsurface Soil Results

Benzene concentrations or detection limits exceeded the STL of 0.017 mg/kg in eight locations (D-DB-05, -06, -08, -11, -34, -35, -39, and -41). As shown on Figure 2, there are two separate areas where the STL is exceeded. One area is located along the southern portion of the site near Former Fuel Pit 1A and the other area is located in the northern portion of the site.

Boring D-DB-45 contains benzo(*a*)anthracene, benzo(*b*)fluoranthene, and chrysene in excess of their respective STLs as shown in Figure 3. This boring is located on the southwestern edge of the site and is not co-located with the BTEX soil and groundwater contamination.

There is no STL for lead under the UST regulations, so the HSRA regulations were used as regulatory guidance. Lead exceeds the Type 1 RRS of 75 mg/kg in two locations (D-DB-35 and D-DB-41), which are located in close proximity to the Former Fuel Pit 1A (Figure 3).

1.2.2 Groundwater Sampling

Forty-five boreholes were installed to the groundwater table using DPT within the area of soil and groundwater contamination that was identified in the CAP–Part B Report (SAIC 2000). One groundwater sample was collected from each boring from a 4-ft interval just below the soil/water interface. The groundwater samples were analyzed for BTEX using EPA Method 8021B/8260B, PAHs using EPA Method 8270C, and lead using EPA Method 6010B. Due to insufficient sample volume, a groundwater sample was not collected for PAHs and lead from D-DB-05. The analytical results from the groundwater sampling are summarized in Tables 4 and 5 and Figure 4. Laboratory analytical data sheets are provided in Appendix C. The analytical results of the supplemental investigation are summarized below.

BTEX

- Benzene was detected in 33 of 45 samples at concentrations ranging from 0.399J to 1,360 µg/L. The concentrations in 19 samples and 8 samples exceeded the IWQS of 71 µg/L and ACL of 285 µg/L, respectively.
- Toluene was detected in 40 of 45 samples at concentrations ranging from 0.27J to 10,100 µg/L. None of the concentrations exceeded the IWQS of 200,000 µg/L.
- Ethylbenzene was detected in 40 of 45 samples at concentrations ranging from 0.252J to 1,500 µg/L. None of the concentrations exceeded the IWQS of 29,000 µg/L.
- Total xylenes were detected in 41 of 45 samples at concentrations ranging from 0.264J to 5,670 µg/L. There is no ACL or IWQS for total xylenes; however, the concentrations did not exceed the maximum contaminant level (MCL) of 10,000 µg/L.

PAHs

- 2-Methylnaphthalene was detected in 23 of 44 samples at concentrations ranging from 0.385J to 3.41 µg/L. There is no IWQS or ACL for 2-methylnaphthalene.
- Benzo(a)anthracene was detected in 1 of 44 samples at a concentration of 0.528J µg/L. The concentration exceeded the IWQS of 0.049 µg/L, but did not exceed the ACL of 1.2 µg/L.
- Benzo(b)fluoranthene was detected in 1 of 44 samples at a concentration of 0.294J µg/L. There is no IWQS for benzo(b)fluoranthene. The concentration did not exceed the ACL of 3.6 µg/L.
- Chrysene was detected in 1 of 44 samples at a concentration of 0.386J µg/L. The concentration exceeded the IWQS of 0.049 µg/L, but did not exceed the ACL of 1.2 µg/L.
- Fluorene was detected in 1 of 44 samples at a concentration of 0.349J µg/L. The concentration did not exceed the IWQS of 14,000 µg/L.
- Naphthalene was detected in 28 of 44 samples at concentrations ranging from 0.441J to 14.2 µg/L. There is no IWQS for naphthalene. The concentrations did not exceed the ACL of 260 µg/L.

- Phenanthrene was detected in 2 of 44 samples at concentrations of 0.328J and 0.528J µg/L. There is no IWQS or ACL for phenanthrene.
- Pyrene was detected in 1 of 44 samples at a concentration of 0.668J µg/L. The concentration did not exceed the IWQS of 11,000 µg/L.

Metals

- Lead was detected in 43 of 44 samples at concentrations ranging from 0.27J to 204 µg/L. The concentrations in 15 samples exceed the IWQS of 30 µg/L.

Summary of Groundwater Results

Benzene concentrations or detection limits exceeded the IWQS of 71 µg/L in 19 locations with 8 locations (D-DB-14, -20, -21, -22, -26, -28, -29, and -34) exceeding the ACL of 285 µg/L. The areas exceeding the IWQS and ACL are presented in Figure 5.

Boring D-DB-45 contains benzo(*a*)anthracene and chrysene in excess of their respective IWQSs as shown in Figure 4. However, these constituent concentrations do not exceed their respective ACLs. This boring is located on the southwestern edge of the site and is not co-located with the BTEX soil and groundwater contamination.

Lead concentrations exceeded the IWQS of 30 µg/L in 15 locations as shown in Figure 6.

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FIGURES

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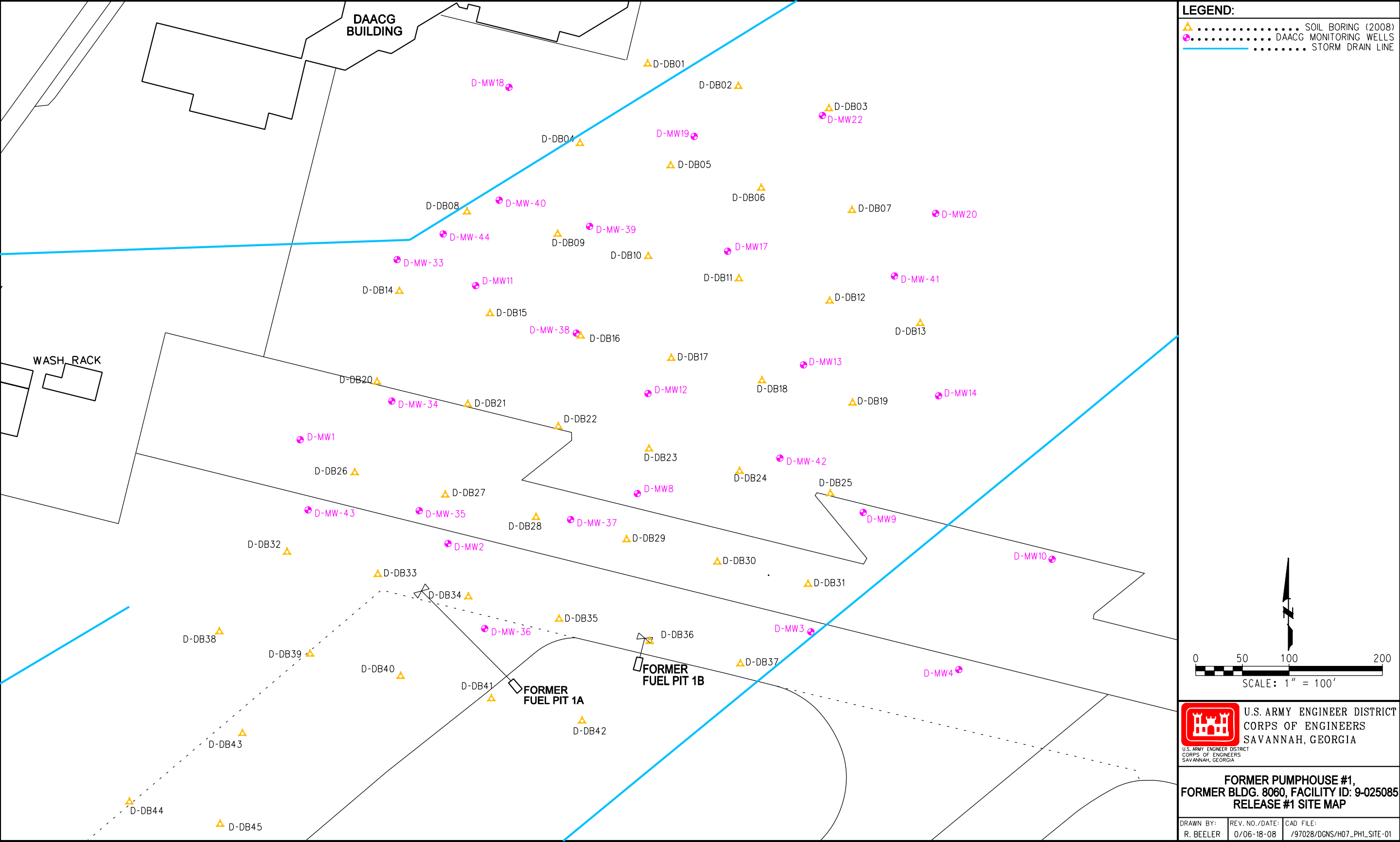
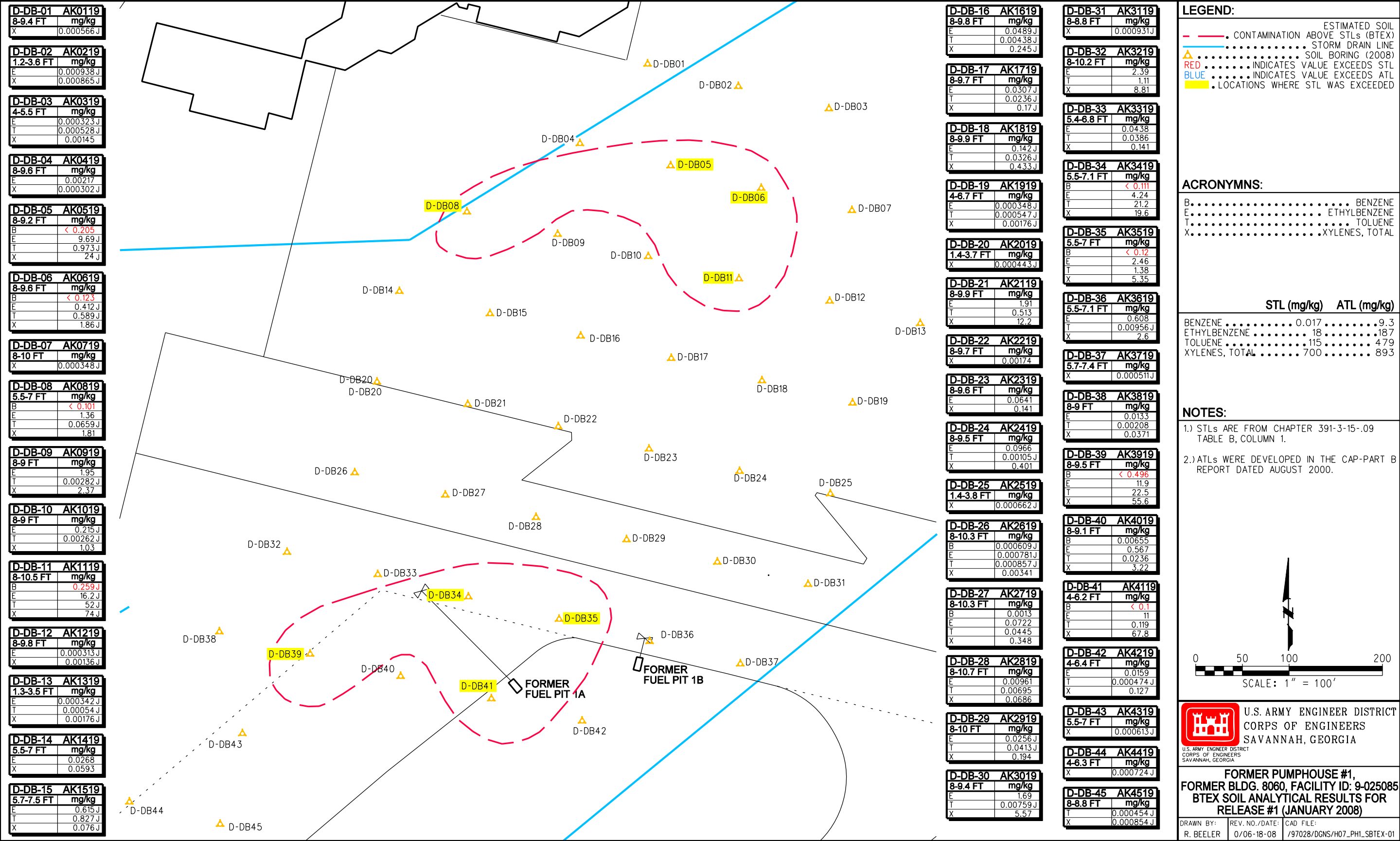
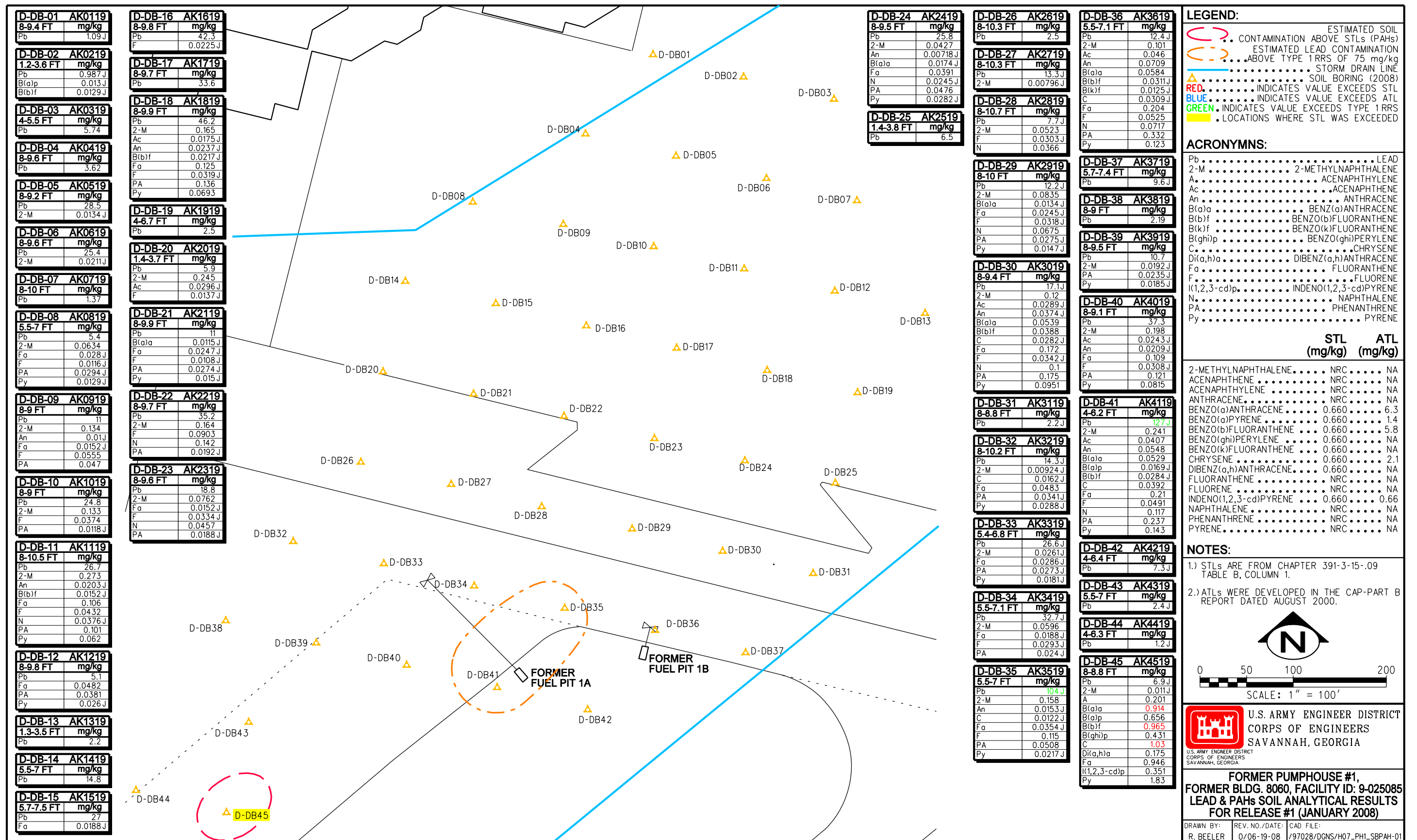
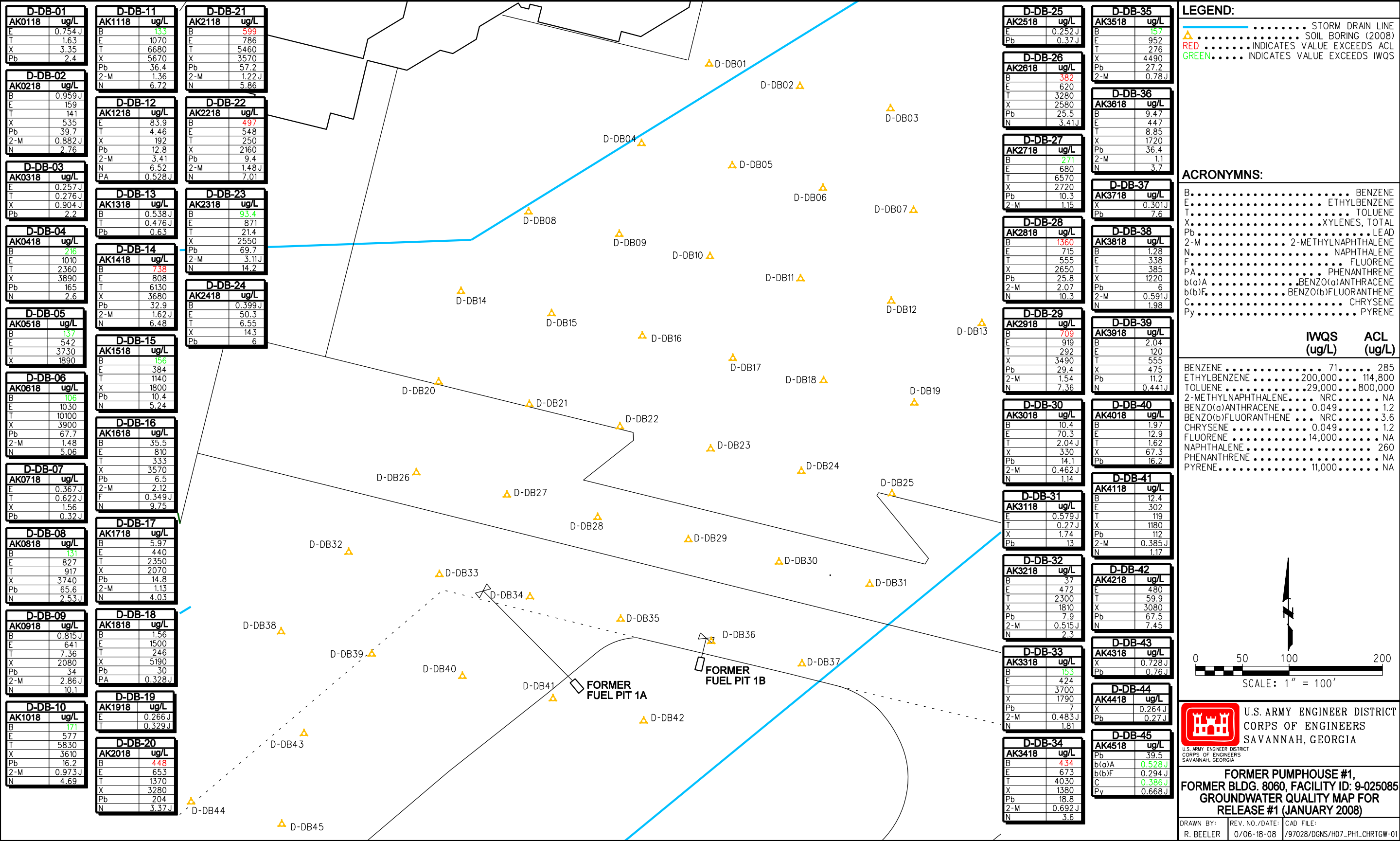


Figure 1. Site Location Map for Pumphouse #1, Release #1







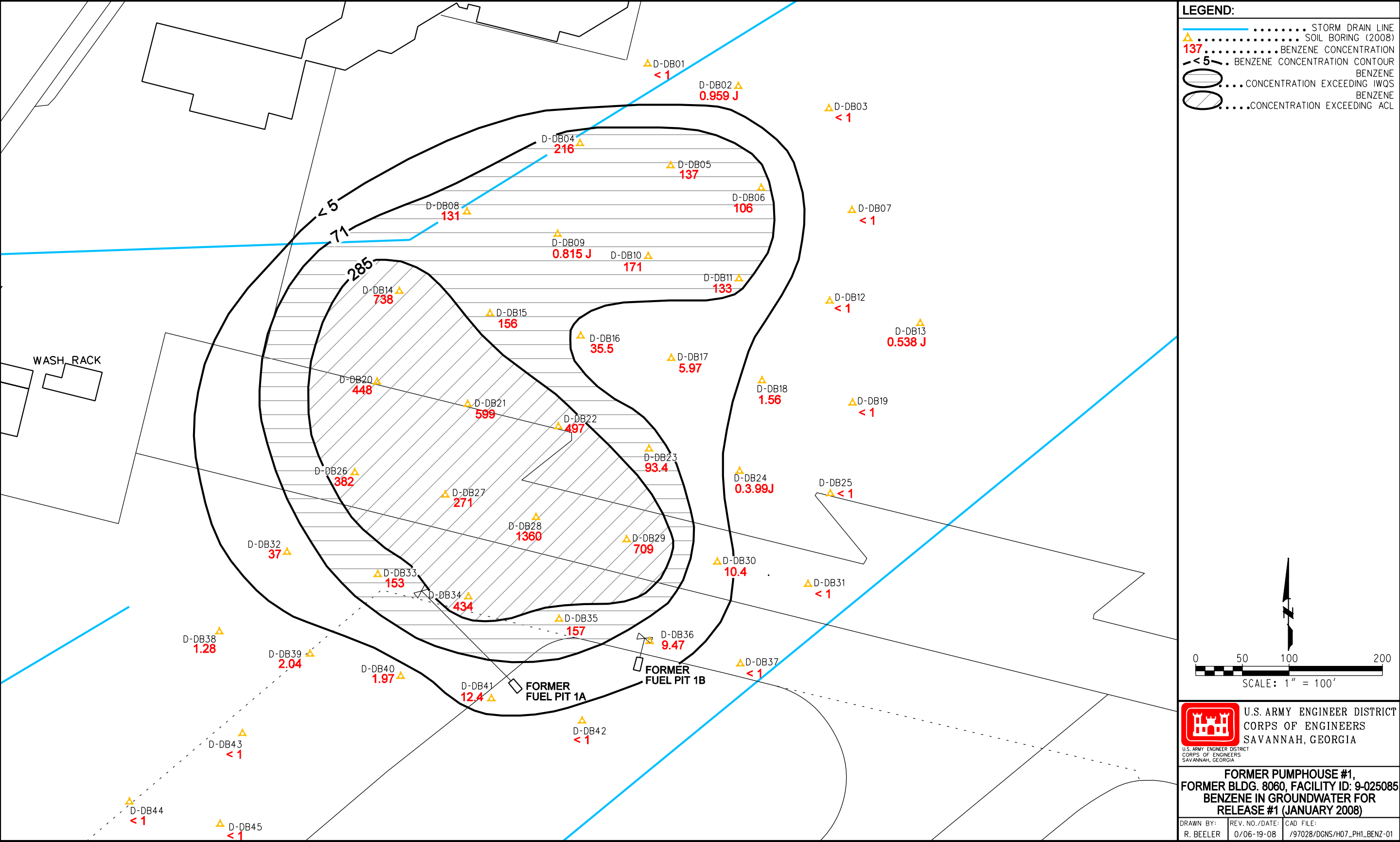


Figure 5. Benzene Contamination in Groundwater at Pumphouse #1, Release #1 (January 2008)

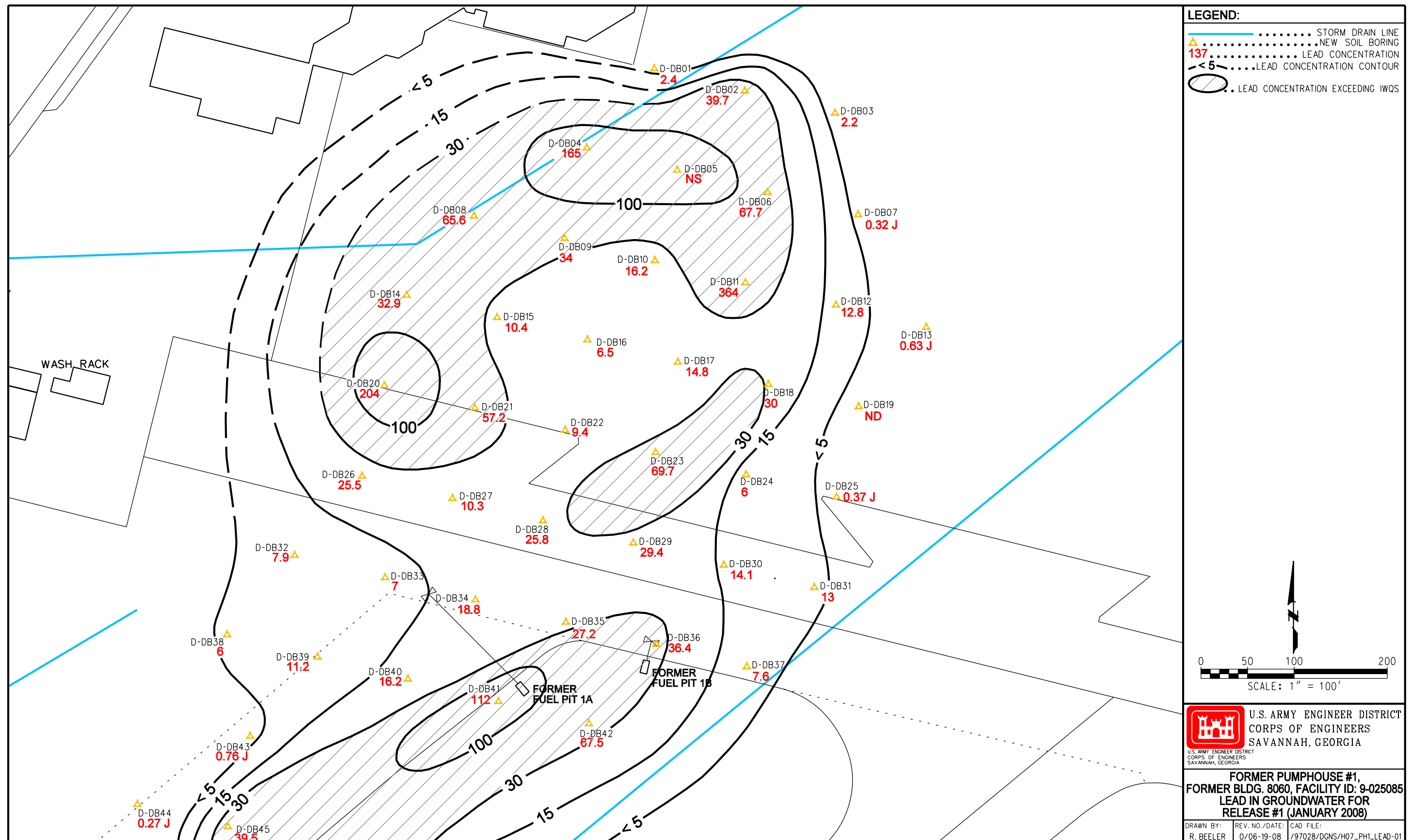


Figure 6. Lead Contamination in Groundwater at Pumphouse #1, Release #1 (January 2008)

TABLES

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Table 1. Soil Boring Details

Borehole	Date Installed	Boring Depth (ft BGS)	Coordinates (NAD 83)	
			Easting	Northing
D-DB-01	01/15/08	14.0	973426.7	735268.8
D-DB-02	01/15/08	13.0	973523.8	735244.9
D-DB-03	01/15/08	15.0	973620.9	735221.0
D-DB-04	01/15/08	13.0	973354.3	735183.7
D-DB-05	01/16/08	12.0	973451.4	735159.8
D-DB-06	01/16/08	15.0	973548.5	735135.9
D-DB-07	01/16/08	14.0	973645.6	735112.0
D-DB-08	01/23/08	15.0	973233.3	735110.5
D-DB-09	01/23/08	13.0	973330.4	735086.6
D-DB-10	01/24/08	14.0	973427.5	735062.7
D-DB-11	01/24/08	14.0	973524.6	735038.8
D-DB-12	01/24/08	14.0	973621.7	735014.9
D-DB-13	01/24/08	13.0	973718.8	734991.0
D-DB-14	01/23/08	14.0	973160.8	735025.3
D-DB-15	01/23/08	14.0	973257.9	735001.4
D-DB-16	01/24/08	14.0	973355.0	734977.5
D-DB-17	01/24/08	14.0	973452.1	734953.6
D-DB-18	01/24/08	14.0	973549.2	734929.7
D-DB-19	01/25/08	12.5	973646.3	734905.8
D-DB-20	01/23/08	14.0	973136.9	734928.2
D-DB-21	01/23/08	14.0	973234.0	734904.3
D-DB-22	01/25/08	13.0	973331.1	734880.4
D-DB-23	01/25/08	13.0	973428.2	734856.5
D-DB-24	01/25/08	14.0	973525.3	734832.6
D-DB-25	01/25/08	12.5	973622.4	734808.7
D-DB-26	01/25/08	14.0	973113.0	734831.1
D-DB-27	01/26/08	14.0	973210.1	734807.2
D-DB-28	01/26/08	14.0	973307.2	734783.3
D-DB-29	01/26/08	14.0	973404.3	734759.4
D-DB-30	01/26/08	13.0	973501.4	734735.5
D-DB-31	01/26/08	13.0	973598.5	734711.6
D-DB-32	01/27/08	14.0	973040.5	734746.0
D-DB-33	01/27/08	14.0	973137.6	734722.1
D-DB-34	01/27/08	14.0	973234.7	734698.2
D-DB-35	01/27/08	13.0	973331.8	734674.3
D-DB-36	01/26/08	13.0	973428.9	734650.4
D-DB-37	01/26/08	12.5	973526.0	734626.5
D-DB-38	01/16/08	13.0	972968.1	734660.9
D-DB-39	01/16/08	13.0	973065.2	734636.9
D-DB-40	01/23/08	13.0	973162.3	734613.0
D-DB-41	01/27/08	12.5	973259.4	734589.1
D-DB-42	01/27/08	11.5	973356.5	734565.2
D-DB-43	01/28/08	12.5	972992.7	734551.8
D-DB-44	01/28/08	11.5	972871.7	734478.6
D-DB-45	01/28/08	13.0	972968.8	734454.7

BGS = Below ground surface.

NAD = North American Datum.

Table 2. Subsurface Analytical Results (BTEX)

Well/ Borehole ID	Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes, Total (mg/kg)	Total BTEX (mg/kg)
D-DB-01	AK0119	01/15/08	8.0 - 9.4	0.0011 U	0.0011 U	0.0011 U	0.000566 J	0.000566
D-DB-02	AK0219	01/15/08	1.2 - 3.6	0.00119 U	0.00119 U	0.000938 J	0.000865 J	0.001803
D-DB-03	AK0319	01/15/08	4.0 - 5.5	0.00121 U	0.000528 J	0.000323 J	0.00145 =	0.002301
D-DB-04	AK0419	01/15/08	8.0 - 9.6	0.00106 U	0.00106 U	0.00217 =	0.000302 J	0.002472
D-DB-05	AK0519	01/16/08	8.0 - 9.2	0.205 U	0.973 J	9.69 J	24 J	34.663
D-DB-06	AK0619	01/16/08	8.0 - 9.6	0.123 UJ	0.589 J	0.412 J	1.86 J	2.861
D-DB-07	AK0719	01/16/08	8.0 - 10.0	0.00105 U	0.00105 U	0.00105 U	0.000348 J	0.000348
D-DB-08	AK0819	01/23/08	5.5 - 7.0	0.101 U	0.0659 J	1.36 =	1.81 =	3.2359
D-DB-09	AK0919	01/23/08	8.0 - 9.0	0.00107 U	0.00282 J	1.95 =	2.37 =	4.32282
D-DB-10	AK1019	01/24/08	8.0 - 9.0	0.00112 UJ	0.00262 J	0.215 J	1.03 J	1.24762
D-DB-11	AK1119	01/24/08	8.0 - 10.5	0.259 J	52 J	16.2 J	74 J	142.459
D-DB-12	AK1219	01/24/08	8.0 - 9.8	0.00117 UJ	0.00117 UJ	0.000313 J	0.00136 J	0.001673
D-DB-13	AK1319	01/24/08	1.3 - 3.5	0.00113 UJ	0.00054 J	0.000342 J	0.00176 J	0.002642
D-DB-14	AK1419	01/23/08	5.5 - 7.0	0.00107 U	0.00107 U	0.0268 =	0.0593 =	0.0861
D-DB-15	AK1519	01/23/08	5.7 - 7.5	0.00112 U	0.827 J	0.615 J	0.076 J	1.518
D-DB-16	AK1619	01/24/08	8.0 - 9.8	0.00125 UJ	0.00438 J	0.0489 J	0.245 J	0.29828
D-DB-17	AK1719	01/24/08	8.0 - 9.7	0.00105 UJ	0.0236 J	0.0307 J	0.170 J	0.2243
D-DB-18	AK1819	01/24/08	8.0 - 9.9	0.00126 UJ	0.0326 J	0.142 J	0.433 J	0.6076
D-DB-19	AK1919	01/25/08	4.0 - 6.7	0.00125 U	0.000547 J	0.000348 J	0.00176 J	0.002655
D-DB-20	AK2019	01/23/08	1.4 - 3.7	0.00107 U	0.00107 U	0.00107 U	0.000443 J	0.000443
D-DB-21	AK2119	01/23/08	8.0 - 9.9	0.00114 U	0.513 =	1.91 =	12.2 =	14.623
D-DB-22	AK2219	01/25/08	8.0 - 9.7	0.00118 U	0.00118 U	0.00118 U	0.00174 =	0.00174
D-DB-23	AK2319	01/25/08	8.0 - 9.6	0.00126 U	0.00126 U	0.0641 =	0.141 =	0.2051
D-DB-24	AK2419	01/25/08	8.0 - 9.5	0.00108 U	0.00105 J	0.0966 =	0.401 =	0.49865
D-DB-25	AK2519	01/25/08	1.4 - 3.8	0.00104 U	0.00104 U	0.00104 U	0.000662 J	0.000662
D-DB-26	AK2619	01/25/08	8.0 - 10.3	0.000609 J	0.000857 J	0.000781 J	0.00341 =	0.005657
D-DB-27	AK2719	01/26/08	8.0 - 10.3	0.0013 =	0.0445 =	0.0722 =	0.348 =	0.466
D-DB-28	AK2819	01/26/08	8.0 - 10.7	0.00115 U	0.00695 =	0.00961 =	0.0686 =	0.08516
D-DB-29	AK2919	01/26/08	8.0 - 10.0	0.00119 U	0.0413 J	0.0256 J	0.194 =	0.2609
D-DB-30	AK3019	01/26/08	8.0 - 9.4	0.00124 U	0.00759 J	1.69 =	5.57 =	7.26883
D-DB-31	AK3119	01/26/08	8.0 - 8.8 ft	0.00124 U	0.00124 U	0.00124 U	0.000931 J	0.000931
D-DB-32	AK3219	01/27/08	8.0 - 10.2	0.000939 U	1.11 =	2.39 =	8.81 =	12.31
D-DB-33	AK3319	01/27/08	5.4 - 6.8	0.00109 U	0.0386 =	0.0438 =	0.141 =	0.2234
D-DB-34	AK3419	01/27/08	5.5 - 7.1	0.111 U	21.2 =	4.24 =	19.6 =	45.04
D-DB-35	AK3519	01/27/08	5.5 - 7.0	0.120 U	1.38 =	2.46 =	5.35 =	9.19
D-DB-36	AK3619	01/26/08	5.5 - 7.1	0.00107 U	0.00956 J	0.608 =	2.6 =	3.21756
D-DB-37	AK3719	01/26/08	5.7 - 7.4	0.00104 U	0.00104 U	0.00104 U	0.000511 J	0.000511
D-DB-38	AK3819	01/16/08	8.0 - 9.0	0.00116 U	0.00208 =	0.0133 =	0.0371 =	0.05248
D-DB-39	AK3919	01/16/08	8.0 - 9.5	0.496 U	22.5 =	11.9 =	55.6 =	90
D-DB-40	AK4019	01/23/08	8.0 - 9.1	0.00655 =	0.0236 =	0.567 =	3.22 =	3.81715
D-DB-41	AK4119	01/27/08	4.0 - 6.2	0.100 U	0.119 =	11 =	67.8 =	78.919
D-DB-42	AK4219	01/27/08	4.0 - 6.4	0.00107 U	0.000474 J	0.0159 =	0.127 =	0.143374
D-DB-43	AK4319	01/28/08	5.5 - 7.0	0.00109 U	0.00109 U	0.00109 U	0.000613 J	0.000613
D-DB-44	AK4419	01/28/08	4.0 - 6.3	0.0011 U	0.0011 U	0.0011 U	0.000724 J	0.000724
D-DB-45	AK4519	01/28/08	8.0 - 8.8	0.00107 U	0.000454 J	0.00107 U	0.000854 J	0.001308
Soil Threshold Levels (Chapter 391-3-15-.09, Table B, Column 1)				0.017	115	18	700	NRC
Alternate Threshold Levels (approved)				9.3	479	187	893	

Bold values exceed soil threshold levels.

Italic values exceed alternate threshold limits.

BGS Below ground surface.

BTEX Benzene, toluene, ethylbenzene, and xylenes.

NRC No regulatory criterion.

Laboratory Qualifiers

U Indicates the compound was not detected at the concentration reported.

J Indicates the value of the compound is an estimated value.

= Indicates the compound was detected at the concentration reported.

Table 3. Subsurface Analytical Results (PAHs and Lead)

Well/ Borehole ID	Sample ID	Sample Date	Sample Depth (ft bgs)	Detected Concentrations Only (mg/kg)																	Total PAHs (mg/kg)	Lead (mg/kg)
				2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene		
D-DB-01	AK0119	01/15/08	8.0 - 9.4																		ND	1.09 J
D-DB-02	AK0219	01/15/08	1.2 - 3.6						0.0130 J	0.0129 J											0.0259	0.987 J
D-DB-03	AK0319	01/15/08	4 - 5.5																		ND	5.74 =
D-DB-04	AK0419	01/15/08	8.0 - 9.6																		ND	3.62 =
D-DB-05	AK0519	01/16/08	8.0 - 9.2	0.0134 J																	0.0134	28.5 =
D-DB-06	AK0619	01/16/08	8.0 - 9.6	0.0211 J																	0.0211	25.4 =
D-DB-07	AK0719	01/16/08	8.0 - 10.0																		ND	1.37 =
D-DB-08	AK0819	01/23/08	5.5 - 7.0	0.0634 =											0.028 J	0.0116 J			0.0294 J	0.0129 J	0.1453	5.4 =
D-DB-09	AK0919	01/23/08	8.0 - 9.0	0.134 =			0.0100 J								0.0152 J	0.0555 =			0.047 =		0.2617	11 =
D-DB-10	AK1019	01/24/08	8.0 - 9.0	0.133 =												0.0374 =			0.0118 J		0.1822	24.8 =
D-DB-11	AK1119	01/24/08	8.0 - 10.5	0.273 =			0.0203 J			0.0152 J					0.106 =	0.0432 =		0.0376 J	0.101 =	0.062 =	0.6583	26.7 =
D-DB-12	AK1219	01/24/08	8.0 - 9.8												0.0482 =				0.0381 =	0.026 J	0.1123	5.1 =
D-DB-13	AK1319	01/24/08	1.3 - 3.5																		ND	2.2 =
D-DB-14	AK1419	01/23/08	5.5 - 7.0																		ND	14.8 =
D-DB-15	AK1519	01/23/08	5.7 - 7.5												0.0188 J						0.0188	27 =
D-DB-16	AK1619	01/24/08	8.0 - 9.8													0.0225 J					0.0225	42.3 =
D-DB-17	AK1719	01/24/08	8.0 - 9.7																		ND	33.6 =
D-DB-18	AK1819	01/24/08	8.0 - 9.9	0.165 =	0.0175 J		0.0237 J			0.0217 J					0.125 =	0.0319 J			0.136 =	0.0693 =	0.5901	46.2 =
D-DB-19	AK1919	01/25/08	4.0 - 6.7																		ND	2.5 =
D-DB-20	AK2019	01/23/08	1.4 - 3.7	0.245 =	0.0296 J											0.0137 J					0.2883	5.9 =
D-DB-21	AK2119	01/23/08	8.0 - 9.9					0.0115 J							0.0247 J	0.0108 J			0.0274 J	0.015 J	0.0894	11 =
D-DB-22	AK2219	01/25/08	8.0 - 9.7	0.164 =												0.0903 =		0.142 =	0.0192 J		0.4155	35.2 =
D-DB-23	AK2319	01/25/08	8.0 - 9.6	0.0762 =											0.0152 J	0.0334 J		0.0457 =	0.0188 J		0.1893	18.8 =
D-DB-24	AK2419	01/25/08	8.0 - 9.5	0.0427 =			0.00718 J	0.0174 J							0.0391 =			0.0245 J	0.0476 =	0.0282 J	0.20668	25.8 =
D-DB-25	AK2519	01/25/08	1.4 - 3.8																		ND	6.5 =
D-DB-26	AK2619	01/25/08	8.0 - 10.3																		ND	2.5 =
D-DB-27	AK2719	01/26/08	8.0 - 10.3	0.00796 J																	0.00796	13.3 J
D-DB-28	AK2819	01/26/08	8.0 - 10.7	0.0523 =												0.0303 J		0.0366 =			0.1192	7.7 J
D-DB-29	AK2919	01/26/08	8.0 - 10	0.0835 =				0.0134 J							0.0245 J	0.0318 J		0.0675 =	0.0275 J	0.0147 J	0.2629	12.2 J
D-DB-30	AK3019	01/26/08	8.0 - 9.4	0.120 =	0.0289 J		0.0374 J	0.0539 =		0.0388 =			0.0282 J		0.172 =	0.0342 J		0.100 =	0.175 =	0.0951 =	0.8835	17.1 J
D-DB-31	AK3119	01/26/08	8 - 8.8 ft																		ND	2.2 J
D-DB-32	AK3219	01/27/08	8.0 - 10.2	0.00924 J									0.0162 J		0.0483 =				0.0341 J	0.0288 J	0.13664	14.3 J
D-DB-33	AK3319	01/27/08	5.4 - 6.8	0.0261 J											0.0286 J				0.0273 J	0.0181 J	0.1001	26.6 J
D-DB-34	AK3419	01/27/08	5.5 - 7.1	0.0596 =											0.0188 J	0.0293 J			0.024 J		0.1317	32.7 J
D-DB-35	AK3519	01/27/08	5.5 - 7.0	0.158 =			0.0153 J						0.0122 J		0.0354 J	0.115 =			0.0508 =	0.0217 J	0.4084	104 J
D-DB-36	AK3619	01/26/08	5.5 - 7.1	0.101 =	0.0460 =		0.0709 =	0.0584 =		0.0311 J		0.0125 J	0.0309 J		0.204 =	0.0525 =		0.0717 =	0.332 =	0.123 =	1.134	12.4 J
D-DB-37	AK3719	01/26/08	5.7 - 7.4																		ND	9.6 J
D-DB-38	AK3819	01/16/08	8.0 - 9.0																		ND	2.19 =
D-DB-39	AK3919	01/16/08	8.0 - 9.5	0.0192 J															0.0235 J	0.0185 J	0.0612	10.7 =
D-DB-40	AK4019	01/23/08	8.0 - 9.1	0.198 =	0.0243 J		0.0209 J								0.109 =	0.0308 J			0.121 =	0.0815 =	0.5855	37.3 =
D-DB-41	AK4119	01/27/08	4.0 - 6.2	0.241 =	0.0407 =		0.0548 =	0.0529 =	0.0169 J	0.0284 J			0.0392 =		0.210 =	0.0491 =		0.117 =	0.237 =	0.143 =	1.23	127 J
D-DB-42	AK4219	01/27/08	4.0 - 6.4																		ND	7.3 J
D-DB-43	AK4319	01/28/08	5.5 - 7.0																		ND	2.4 J
D-DB-44	AK4419	01/28/08	4.0 - 6.3																		ND	1.2 J
D-DB-45	AK4519	01/28/08	8.0 - 8.8	0.011 J		0.201 =		0.914 =	0.656 =	0.965 =	0.431 =		1.03 =	0.175 =	0.946 =		0.351 =			1.83 =	7.51	6.9 J
Soil Threshold Levels (Chapter 391-3-15-.09, Table B, Column 1)					NRC		NRC	0.66	0.66	0.66	0.66	0.66	0.66	0.66	NRC	NRC	0.66	NRC	NRC	NRC		
Alternate Threshold Levels (approved)									1.4	5.8			2.1				0.66					

Bold values exceed soil threshold levels.
Italic values exceed alternate threshold limits.
PAH Polynuclear aromatic hydrocarbons.
NRC No regulatory criterion.
Laboratory Qualifiers
U Indicates the compound was not detected at the concentration reported.
J Indicates the value of the compound is an estimated value.
= Indicates the compound was detected at the concentration reported.

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Table 4. Groundwater Analytical Results (BTEX)

Well/ Borehole ID	Sample ID	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes, Total (ug/L)	Total BTEX (ug/L)
D-DB-01	AK0118	01/15/08	1 U	1.63 =	0.754 J	3.35 =	5.734
D-DB-02	AK0218	01/15/08	0.959 J	141 =	159 =	535 =	835.959
D-DB-03	AK0318	01/15/08	1 U	0.276 J	0.257 J	0.904 J	1.437
D-DB-04	AK0418	01/15/08	216 =	2360 =	1010 =	3890 =	7476
D-DB-05	AK0518	01/16/08	137 =	3730 =	542 =	1890 =	6299
D-DB-06	AK0618	01/16/08	106 =	10100 =	1030 =	3900 =	15136
D-DB-07	AK0718	01/16/08	1 U	0.622 J	0.367 J	1.56 =	2.549
D-DB-08	AK0818	01/23/08	131 =	917 =	827 =	3740 =	5615
D-DB-09	AK0918	01/23/08	0.815 J	7.36 =	641 =	2080 =	2729.175
D-DB-10	AK1018	01/24/08	171 =	5830 =	577 =	3610 =	10188
D-DB-11	AK1118	01/24/08	133 =	6680 =	1070 =	5670 =	13553
D-DB-12	AK1218	01/24/08	1 U	4.46 =	83.9 =	192 =	281.36
D-DB-13	AK1318	01/24/08	0.538 J	0.476 J	1 U	1 U	1.014
D-DB-14	AK1418	01/23/08	738 =	6130 =	808 =	3680 =	11356
D-DB-15	AK1518	01/23/08	156 =	1140 =	384 =	1800 =	3480
D-DB-16	AK1618	01/24/08	35.5 =	333 =	810 =	3570 =	4748.5
D-DB-17	AK1718	01/24/08	5.97 =	2350 =	440 =	2070 =	4865.97
D-DB-18	AK1818	01/24/08	1.56 =	246 =	1500 =	5190 =	6937.56
D-DB-19	AK1918	01/25/08	1 U	0.329 J	0.266 J	1 U	0.595
D-DB-20	AK2018	01/23/08	448 =	1370 =	653 =	3280 =	5751
D-DB-21	AK2118	01/23/08	599 =	5460 =	786 =	3570 =	10415
D-DB-22	AK2218	01/25/08	497 =	250 =	548 =	2160 =	3455
D-DB-23	AK2318	01/25/08	93.4 =	21.4 =	871 =	2550 =	3535.8
D-DB-24	AK2418	01/25/08	0.399 J	6.55 =	50.3 =	143 =	200.249
D-DB-25	AK2518	01/25/08	1 U	1 U	0.252 J	1 U	0.252
D-DB-26	AK2618	01/25/08	382 =	3280 =	620 =	2580 =	6862
D-DB-27	AK2718	01/26/08	271 =	6570 =	680 =	2720 =	10241
D-DB-28	AK2818	01/26/08	1360 =	555 =	715 =	2650 =	5280
D-DB-29	AK2918	01/26/08	709 =	292 =	919 =	3490 =	5410
D-DB-30	AK3018	01/26/08	10.4 =	2.04 J	70.3 =	330 =	412.74
D-DB-31	AK3118	01/26/08	1 U	0.27 J	0.579 J	1.74 =	2.589
D-DB-32	AK3218	01/27/08	37 =	2300 =	472 =	1810 =	4619
D-DB-33	AK3318	01/27/08	153 =	3700 =	424 =	1790 =	6067
D-DB-34	AK3418	01/27/08	434 =	4030 =	673 =	1380 =	6517
D-DB-35	AK3518	01/27/08	157 =	276 =	952 =	4490 =	5875
D-DB-36	AK3618	01/26/08	9.47 =	8.85 =	447 =	1720 =	2185.32
D-DB-37	AK3718	01/26/08	1 U	1 U	1 U	0.301 J	0.301
D-DB-38	AK3818	01/16/08	1.28 =	385 =	338 =	1220 =	1944.28
D-DB-39	AK3918	01/16/08	2.04 =	555 =	120 =	475 =	1152.04
D-DB-40	AK4018	01/23/08	1.97 =	1.62 =	12.9 =	67.3 =	83.79
D-DB-41	AK4118	01/27/08	12.4 =	119 =	302 =	1180 =	1613.4
D-DB-42	AK4218	01/27/08	1 U	59.9 =	480 =	3080 =	3619.9
D-DB-43	AK4318	01/28/08	1 U	1 U	1 U	0.728 J	0.728
D-DB-44	AK4418	01/28/08	1 U	1 U	1 U	0.264 J	0.264
D-DB-45	AK4518	01/28/08	1 U	1 U	1 U	1 U	ND
Instream Water Quality Standard			71	200,000	29,000	NRC	NRC
Alternate Concentration Limit			285	800,000	114,800		

Bold values exceed Instream Water Quality Standards.

Italic values exceed alternate concentration limits.

BTEX Benzene, toluene, ethylbenzene, and xylenes.

NRC No regulatory criterion.

Laboratory Qualifiers

U Indicates the compound was not detected at the concentration reported.

J Indicates the value of the compound is an estimated value.

= Indicates the compound was detected at the concentration reported.

Table 5. Groundwater Analytical Results (PAHs and Lead)

Well/ Borehole ID	Sample ID	Sample Date	Detected Constituents (ug/L)									Lead (ug/L)
			2-Methylnaphthalene	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Fluorene	Naphthalene	Phenanthrene	Pyrene	Total PAHs	
D-DB-01	AK0118	01/15/08	1.08 U	1.08 U	1.08 U	1.08 U	1.08 U	1.08 U	1.08 U	1.08 U	ND	2.4 =
D-DB-02	AK0218	01/15/08	0.882 J	1.02 U	1.02 U	1.02 U	1.02 U	2.76 =	1.02 U	1.02 U	3.642	39.7 =
D-DB-03	AK0318	01/15/08	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	ND	2.2 =
D-DB-04	AK0418	01/15/08	1.08 U	1.08 U	1.08 U	1.08 U	1.08 U	2.6 =	1.08 U	1.08 U	2.6	165 =
D-DB-05	AK0518	01/16/08	IS	IS	IS	IS	IS	IS	IS	IS	IS	IS
D-DB-06	AK0618	01/16/08	1.48 =	1 U	1 U	1 U	1 U	5.06 =	1 U	1 U	6.54	67.7 =
D-DB-07	AK0718	01/16/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.32 J
D-DB-08	AK0818	01/23/08	3.88 UJ	3.88 UJ	3.88 UJ	3.88 UJ	3.88 UJ	2.53 J	3.88 UJ	3.88 UJ	2.53	65.6 =
D-DB-09	AK0918	01/23/08	2.86 J	4.04 U	4.04 U	4.04 U	4.04 U	10.1 =	4.04 U	4.04 U	12.96	34 =
D-DB-10	AK1018	01/24/08	0.973 J	1 U	1 U	1 U	1 U	4.69 =	1 U	1 U	5.663	16.2 =
D-DB-11	AK1118	01/24/08	1.36 =	1.02 U	1.02 U	1.02 U	1.02 U	6.72 =	1.02 U	1.02 U	8.08	36.4 =
D-DB-12	AK1218	01/24/08	3.41 =	1.02 U	1.02 U	1.02 U	1.02 U	6.52 =	0.528 J	1.02 U	10.458	12.8 =
D-DB-13	AK1318	01/24/08	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	1.02 U	ND	0.63 J
D-DB-14	AK1418	01/23/08	1.62 J	4.04 U	4.04 U	4.04 U	4.04 U	6.48 =	4.04 U	4.04 U	8.1	32.9 =
D-DB-15	AK1518	01/23/08	3.81 U	3.81 U	3.81 U	3.81 U	3.81 U	5.24 =	3.81 U	3.81 U	5.24	10.4 =
D-DB-16	AK1618	01/24/08	2.12 =	1.02 U	1.02 U	1.02 U	0.349 J	9.75 =	1.02 U	1.02 U	12.219	6.5 =
D-DB-17	AK1718	01/24/08	1.13 =	1 U	1 U	1 U	1 U	4.03 =	1 U	1 U	5.16	14.8 =
D-DB-18	AK1818	01/24/08	0.962 U	0.962 U	0.962 U	0.962 U	0.962 U	0.962 U	0.328 J	0.962 U	0.328	30 =
D-DB-19	AK1918	01/25/08	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	0.99 U	ND	0.18 U
D-DB-20	AK2018	01/23/08	4 U	4 U	4 U	4 U	4 U	3.37 J	4 U	4 U	3.37	204 =
D-DB-21	AK2118	01/23/08	1.22 J	4 U	4 U	4 U	4 U	5.86 =	4 U	4 U	7.08	57.2 =
D-DB-22	AK2218	01/25/08	1.48 J	4 U	4 U	4 U	4 U	7.01 =	4 U	4 U	8.49	9.4 =
D-DB-23	AK2318	01/25/08	3.11 J	3.98 U	3.98 U	3.98 U	3.98 U	14.2 =	3.98 U	3.98 U	17.31	69.7 =
D-DB-24	AK2418	01/25/08	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	ND	6 =
Instream Water Quality Standard			NRC	0.049	NRC	0.049	14,000	NRC		11,000	NRC	30
Alternate Concentration Limit				1.2	3.6	1.2		260				

Bold values exceed Instream Water Quality Standards.

Italic values exceed alternate concentration limits.

BTEX Benzene, toluene, ethylbenzene, and xylenes.

IS Insufficient volume, no sample collected.

NRC No regulatory criterion.

Laboratory Qualifiers

U Indicates the compound was not detected at the concentration reported.

J Indicates the value of the compound is an estimated value.

= Indicates the compound was detected at the concentration reported.

Table 5. Groundwater Analytical Results (PAHs and Lead) (Continued)

Well/ Borehole ID	Sample ID	Sample Date	Detected Constituents Only (ug/L)									Lead (ug/L)
			2-Methylnaphthalene	Benzo(a)anthracene	Benzo(b)fluoranthene	Chrysene	Fluorene	Naphthalene	Phenanthrene	Pyrene	Total PAHs	
D-DB-25	AK2518	01/25/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.37 J
D-DB-26	AK2618	01/25/08	3.96 U	3.96 U	3.96 U	3.96 U	3.96 U	3.41 J	3.96 U	3.96 U	3.41	25.5 =
D-DB-27	AK2718	01/26/08	1.15 =	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.15	10.3 =
D-DB-28	AK2818	01/26/08	2.07 =	1 U	1 U	1 U	1 U	10.3 =	1 U	1 U	12.37	25.8 =
D-DB-29	AK2918	01/26/08	1.54 =	1 U	1 U	1 U	1 U	7.36 =	1 U	1 U	8.9	29.4 =
D-DB-30	AK3018	01/26/08	0.462 J	1 U	1 U	1 U	1 U	1.14 =	1 U	1 U	1.602	14.1 =
D-DB-31	AK3118	01/26/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	13 =
D-DB-32	AK3218	01/27/08	0.515 J	1 U	1 U	1 U	1 U	2.3 =	1 U	1 U	2.815	7.9 =
D-DB-33	AK3318	01/27/08	0.483 J	1.03 U	1.03 U	1.03 U	1.03 U	1.81 =	1.03 U	1.03 U	2.293	7 =
D-DB-34	AK3418	01/27/08	0.692 J	1 U	1 U	1 U	1 U	3.6 =	1 U	1 U	4.292	18.8 =
D-DB-35	AK3518	01/27/08	0.78 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.78	27.2 =
D-DB-36	AK3618	01/26/08	1.1 =	1 U	1 U	1 U	1 U	3.7 =	1 U	1 U	4.8	36.4 =
D-DB-37	AK3718	01/26/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	7.6 =
D-DB-38	AK3818	01/16/08	0.591 J	1 U	1 U	1 U	1 U	1.98 =	1 U	1 U	2.571	6 =
D-DB-39	AK3918	01/16/08	1 U	1 U	1 U	1 U	1 U	0.441 J	1 U	1 U	0.441	11.2 =
D-DB-40	AK4018	01/23/08	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	ND	16.2 =
D-DB-41	AK4118	01/27/08	0.385 J	0.99 U	0.99 U	0.99 U	0.99 U	1.17 =	0.99 U	0.99 U	1.555	112 =
D-DB-42	AK4218	01/27/08	4 U	4 U	4 U	4 U	4 U	7.45 =	4 U	4 U	7.45	67.5 =
D-DB-43	AK4318	01/28/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.76 J
D-DB-44	AK4418	01/28/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	ND	0.27 J
D-DB-45	AK4518	01/28/08	1 U	0.528 J	0.294 J	0.386 J	1 U	1 U	1 U	0.668 J	1.876	39.5 =
Instream Water Quality Standard			NRC	0.049	NRC	0.049	14,000	NRC		11,000	NRC	30
Alternate Concentration Limit				1.2	3.6	1.2		260				

Bold values exceed Instream Water Quality Standards.

Italic values exceed alternate concentration limits.

BTEX Benzene, toluene, ethylbenzene, and xylenes.

IS Insufficient volume, no sample collected.

NRC No regulatory criterion.

Laboratory Qualifiers

U Indicates the compound was not detected at the concentration reported.

J Indicates the value of the compound is an estimated value.

= Indicates the compound was detected at the concentration reported.

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APPENDIX A
SOIL BORING LOGS

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well atmosphere, soil core, breathing zone, venting compressed air,
etc.)

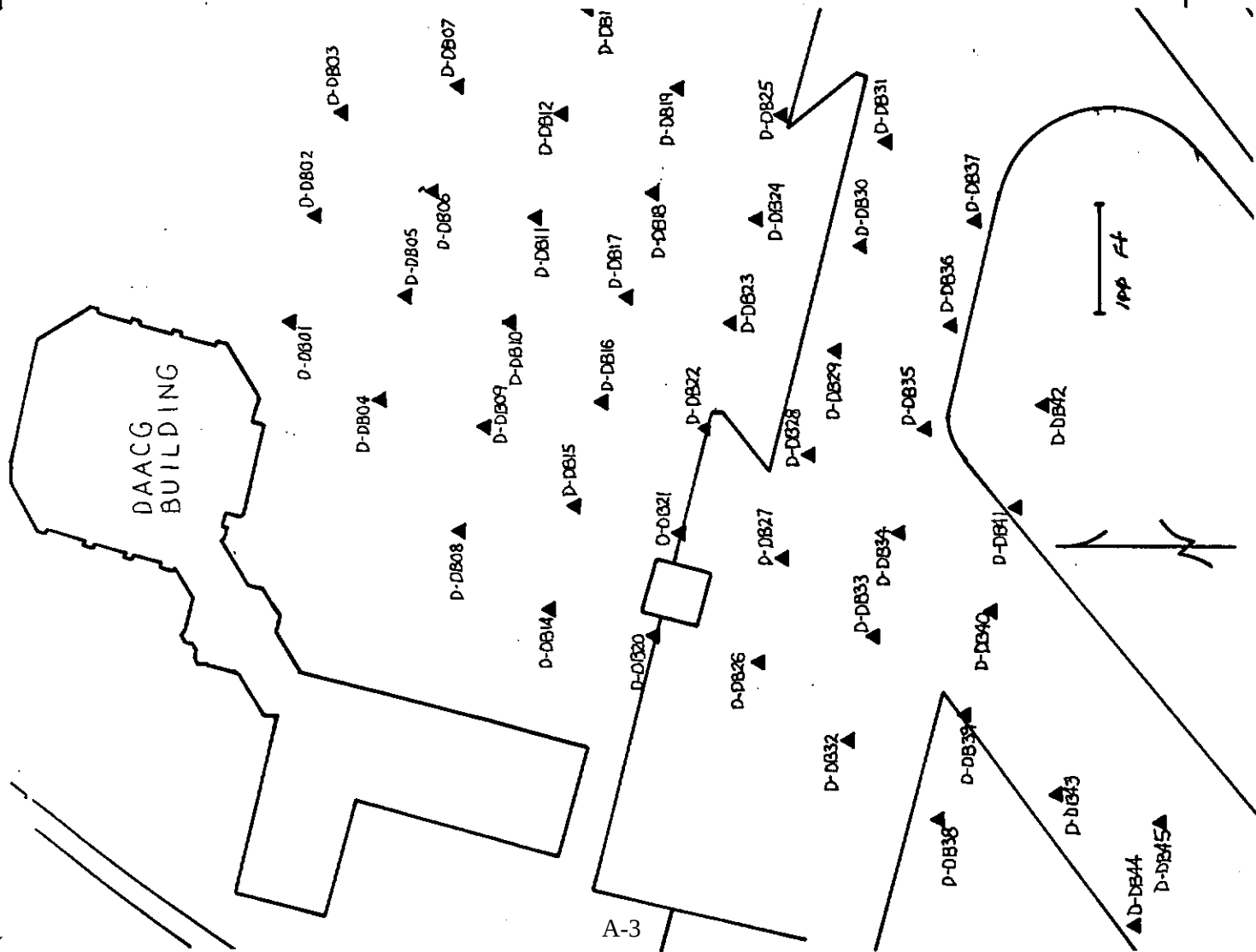
(Signature and Date)

DATE: 1/15/08

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB3-#1	
1. COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
3. PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
5. NAME OF DRILLER: Bobby Lewis		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT Geoprobe 5400 Truck-mounted DPT rig; 2-in. diam. Macro-core barrel with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION: See location sketch			
		9. SURFACE ELEVATION:			
12. OVERBURDEN THICKNESS N/A		10. DATE STARTED: 1/15/08		11. DATE COMPLETED: 1/15/08	
13. DEPTH DRILLED INTO ROCK N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 9.4 ft BGS			
14. TOTAL DEPTH OF HOLE 14.0 ft		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A					
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
19. TOTAL NUMBER OF CORE BOXES N/A					
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC		METALS	
		BTEX		Leach	
		PAH		OTHER (SPECIFY): BTEX (GWL) PAH/Leach	
21. TOTAL CORE RECOVERY %					
22. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL	
		X			
23. SIGNATURE OF INSPECTOR		[Signature]			

LOCATION SKETCH/COMMENTS

SCALE:



HTRW DRILLING LOG

HOLE NUMBER D-DB-01 4

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A	N/A	N/A	
	1	Gray gravel base; undifferentiated.	0.8 ppm	N	N/A	Run #1
	2	DK yell-brn sand; dry, F- to C-grnd, mass/uniform.				6.7 - 4.4 ft
	3	DK gray-brown silty sand; dry, F-grnd, mottled.				D: 3.3 ft R: 2.5 ft
	4	No Recovery	N/A		N/A	
	5	Yellow-brown silty sand; dry to moist, F-grnd.	4.5 ppm	N/A	1155	Run #2
	6	DK brown silty sand: moist, mottled, F-grnd.			N/A	4-8 ft
	7	Yell-brn silty sand; stringers of lignite clay			N/A	D: 4 ft R: 2.8 ft
	8	No Recovery	N/A		N/A	
	9	DK gray-brown to white sand and silty sand; dry to wet, mottled, F-grnd, streaked, bad.	4.6 ppm	V	1203 AK0119	Run #3
	10		N/A		N/A	8-12 ft D: 4 ft R: 2.6 ft water at 9.4 ft BGS

HTRW DRILLING LOG

HOLE NUMBER D-DB-41 5

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		DK gray-brown to white silty sand and sand.				
	11	No Recovery	N/A		N/A	
	12					
	13	No soil Sampling ↓	N/A	AK Ø118	N/A	
	14	End of Boring				TD = 14 ft.
	15					
	16					
	17					
	18					
	19					
	20					

well atmosphere, soil core, breathing zone, venting compressed air,
etc.)

(Signature and Date)

WA GINLOCK BY:

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-42	
1. COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
3. PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
5. NAME OF DRILLER: Bobby Lewis		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 2-in. diam. macro-core barrel(s) with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
		10. DATE STARTED: 1/15/08		11. DATE COMPLETED: 1/15/08	
12. OVERBURDEN THICKNESS N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 8.5 ft BGS			
13. DEPTH DRILLED INTO ROCK N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
14. TOTAL DEPTH OF HOLE 13.4 ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. GEOTECHNICAL SAMPLES		DISTURBED N/A		UNDISTURBED N/A	
19. TOTAL NUMBER OF CORE BOXES N/A		20. SAMPLES FOR CHEMICAL ANALYSIS		21. TOTAL CORE RECOVERY %	
		VOC BTEX		METALS LEAD	
		OTHER (SPECIFY) PAH		OTHER (SPECIFY)	
22. DISPOSITION OF HOLE		BACKFILLED X		MONITORING WELL —	
		OTHER (SPECIFY) —		23. SIGNATURE OF INSPECTOR [Signature]	

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for
location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-42 11

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A	N/A	N/A	
1						
2		DK gray-brown silty sand; dry, mottled (esp. bott), F-grnd.	42E ppm		1342	Run # 1 1.2 - 4 ft D: 2.8 ft R: 2.5 ft
3		Lt. gray sand: dry, F-grnd, mottled (top), mass/ unif. (bottom).			4219	sl. prod. odor.
4		No Recovery As Above	N/A		N/A	
5		Brn-gray sand: F-grnd, rel. loose.	414 ppm	N/A	1346	Run # 2 4-8 ft D: 4 ft R: 3.4 ft
6		Black sandy silt: dry, v. F-grnd, well packed, massive; grades to:			134E	
7		DK red-brown sandy silt; dry, massive/ uniform, rel. loose, v. F-grnd.	403 ppm		N/A	product odor
8		No Recovery	N/A		N/A	water at 8.5 ft BGS.
9		Red-brown sandy silt (As Above)	27E ppm		N/A	Run # 3 8-12 ft D: 4 ft R: 3.2 ft
10		Gray and blue-green sandy clay Lt. blue-green clay; moist, plastic.	N/A	4214	N/A	

HTRW DRILLING LOG

HOLE NUMBER DB-02 12

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Lt. Blue-green clay (As Above)				
	11	Gray-green clay sand.	N/A	1120214	N/A	
		No Recovery				
	12	No soil Sampling	N/A		N/A	
	13	End of Boring				TD = 13 ft
	14					
	15					
	16					
	17					
	18					
	19					
	20					

well atmosphere, soil core, breathing zone, venting compressed air,
etc.)

17

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-43	
1. COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC			SHEET 1 OF 3
3. PROJECT: Fort Stewart/Hunter			4. LOCATION: HAAF/DAA CG		
5. NAME OF DRILLER: Bobby Lewis			6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 2-in. diam. Macro-core barrel; with Acetate liners; 1-in. diam. serviced water sampler.			8. HOLE LOCATION:		
			9. SURFACE ELEVATION:		
			10. DATE STARTED: 1/15/08		11. DATE COMPLETED: 1/15/08
12. OVERBURDEN THICKNESS N/A			15. DEPTH GROUNDWATER ENCOUNTERED: 10.7 ft BGS		
13. DEPTH DRILLED INTO ROCK N/A			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A		
14. TOTAL DEPTH OF HOLE 15.4 ft			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A		
18. GEOTECHNICAL SAMPLES		DISTURBED N/A		19. TOTAL NUMBER OF CORE BOXES N/A	
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC 13TEX		METALS LEAD	OTHER (SPECIFY) PAH
22. DISPOSITION OF HOLE		BACKFILLED X		MONITORING WELL —	OTHER (SPECIFY) —
				23. SIGNATURE OF INSPECTOR [Signature]	
				21. TOTAL CORE RECOVERY %	

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for
location sketch.

(Signature and Date)

NO CHECK BY:

HTRW DRILLING LOG

HOLE NUMBER D-DB-43 18

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy C. Ray

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	Dk gray-black sand: gravelly to 1 Pale yell-brn sand, Dry, F-grnd, mass. to mottled, rel. loose.	118 ppm	↑	N/A	Run #1 1.2 - 4 ft D: 2.8 ft R: 2.3 ft
3	Dk redd-brn sandy silt: rel. packed.				
4	No Recovery	N/A		N/A	
5	DK red-brown sandy silt (As Above)	89.9 ppm	↓	1417 45319	Run #2 4-8 ft D: 4 ft R: 3.1 ft
6		45.9 ppm		1419 N/A	
7	Red-yellow silty sand: dry, F-grnd, rel. loose, massive				
8	No Recovery	N/A		N/A	
9	Red-yellow silty sand (As Above)	62.2 ppm		1424 N/A	Run #3 8-12 ft D: 4 ft R: 3.4 ft
10	Yellow-brn sand: dry to moist, mottled, F-grnd.				

HTRW DRILLING LOG

HOLE NUMBER D-DB-63 19

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy C. Ray

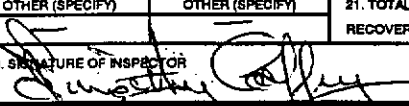
SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	DK gray-brown silty sand; dry, "dirty"	62.2 ppm	N/A	1424 N/A	water at 10.7 ft BGS.
	Lt. gray-green sandy clay; dry, crumbly				
11	Lt. brown sand; wet, fine, massive, rel. packed.	N/A		N/A	
	No Recovery				
12	No soil sampling				
13		N/A	AKQ310	N/A	
14					
15	End of Boring				TD = 15 ft.
16					
17					
18					
19					
20					

well atmosphere, soil core, breathing zone, venting compressed air, etc.)

QA CHECK BY: _____ (Signature and Date)

24

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-41	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Robby Lewis		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
SIZES AND TYPES OF DRILLING SAMPLING EQUIPMENT Geoprobe 5400 Truck- mounted DPT rig, 1-in. diam. Macro-core bit, with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
		10. DATE STARTED: 1/15/08		11. DATE COMPLETED: 1/15/08	
12. OVERBURDEN THICKNESS N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 9.6 ft BGS			
13. DEPTH DRILLED INTO ROCK N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
14. TOTAL DEPTH OF HOLE 13.0 ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. GEOTECHNICAL SAMPLES		DISTURBED N/A		UNDISTURBED N/A	
19. TOTAL NUMBER OF CORE BOXES N/A					
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC 13TEX	METALS Lead	OTHER (SPECIFY) PAH	OTHER (SPECIFY) PAH
21. TOTAL CORE RECOVERY %					
22. DISPOSITION OF HOLE		BACKFILLED X	MONITORING WELL —	OTHER (SPECIFY) —	23. SIGNATURE OF INSPECTOR 

LOCATION SKETCH/COMMENTS	SCALE:
See page 3, this logbook, for location sketch.	

HTRW DRILLING LOG

HOLE NUMBER D-DB-04 25

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	DK gray-brown silty sand; dry, rel. massive, F. to m-grnd.	216 ppm	↑	N/A	Run #1 1.3-4 ft D: 2.7 ft R: 2.4 ft
3	Gray-green clay sand; dry to moist, non- plastic.				
	DK brown silty sand; dry, massive, F-grnd.				
4	No Recovery	N/A		N/A	
	As Above			1519	Run #2 4-8 ft D: 4 ft R: 3.4 ft
5	DK red-brown sandy silt; dry, v. F-grnd, massive/uniform, rel. packed.	316 ppm	↓	N/A	
6	grades to:			1522	
7	Red-yellow silty sand; Dry, massive, F-grnd, rel. loose.	114 ppm		N/A	
8	No Recovery	N/A		N/A	
9	Red-yellow silty sand (As Above) Became lighter in color with depth	813 ppm.		1527 AK419	Run #3 8-12 ft D: 4 ft R: 3.3 ft water at 9.6 ft BGS.
10	P. yellow-brown sand Lt. green-gray clay; moist, sticky plastic.	N/A	AK410	N/A	

rare sand stringers.

A-13

HTRW DRILLING LOG

HOLE NUMBER D-23-04 26

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	Lt green-gray clay (As Above)	N/A	AR 0410	N/A	
12	No Recovery				
13	No Soil Sampling	N/A		N/A	
13	End of Boring				TD = 13 ft.
14					
15					
16					
17					
18					
19					
20					

well atmosphere, soil core, urethane, etc.)

(Signature and Date)

QA CHECK BY:

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER

D-DB-05

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 of 3

PROJECT: Fort Stewart/Hunter

4. LOCATION:

HAAF/DAACG

NAME OF DRILLER:

Bobby Lewis

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. TYPES AND TYPES OF DRILLING
AND SAMPLING EQUIPMENT

Geoprobe 5400 Truck-
mounted DPT rig,

8. HOLE LOCATION:

8-in. diam. Macro-core barrel
with Acetate liners, 1-in. diam.
screamed water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/16/08

11. DATE COMPLETED: 1/16/08

12. OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 9.2 RT BGS

13. DEPTH DRILLED INTO ROCK

N/A

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

N/A

14. TOTAL DEPTH OF HOLE

12.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18. GEOTECHNICAL SAMPLES

N/A

N/A

19. TOTAL NUMBER OF CORE BOXES

N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE

RECOVERY %

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for
location sketch.

HTRW DRILLING LOG

PROJECT: Fort Stewart/Hunter

INSPECTOR

B. M. Colley

HOLE NUMBER DB-2546
SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	lt. brown sand: dry, thin bed.				
2	DK gray-black silty sand: clay, thin bed				Run #1
2	Med. gray sand: dry, F-grnd, moss, rel. loose.	350 ppm		N/A	1.2 - 4 ft
3	lt. gray-brn silty sand: dry, F-grnd, rel. packed.				D: 2.8 ft
4	No Recovery	N/A		N/A	R: 2.4 ft
5	V. DK gray-black silty sand:			1015	Run #2
5	DK red-brown silty sand: dry, massive, F-grnd, rel. loose. Gradual color chng dk to light w/ depth	1020 ppm		N/A	4-8 ft
6	Red-yellow silty sand (As Above)	796 ppm	N/A	1017	D: 4 ft
7	No Recovery	N/A		N/A	R: 3.0 ft
8	Light brown sand: dry, F-grnd, rel. loose; some dark silty zones.	3330 ppm		1023	Run #3
9	lt. green-gray clay: moist, plastic	N/A	AK0510	AK0519	E - 12 ft
10				N/A	D: 4 ft
					R: 3.5 ft
					water at 9.2 ft BGS.

HTRW DRILLING LOG

HOLE NUMBER 03-054

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	Lt. green-gray clay; moist, plastic, very stiff.	N/A	AR0510	N/A	
12	No Recovery				
	End of Boring				TD = 12 ft
13					
14					
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-66	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Bobby Lewis		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
SIZES AND TYPES OF DRILLING & SAMPLING EQUIPMENT Geoprobe 5400 4-rock-mounted DPT rig, 2-in. diam. Macro-cone barrell with Acetate liners, 1-in. diam screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
		10. DATE STARTED: 1/16/08		11. DATE COMPLETED: 1/16/08	
OVERBURDEN THICKNESS N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 9.6 ft BGS			
DEPTH DRILLED INTO ROCK N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
TOTAL DEPTH OF HOLE 15.0 ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
GEOTECHNICAL SAMPLES		DISTURBED N/A		UNDISTURBED N/A	
SAMPLES FOR CHEMICAL ANALYSIS		VOC		OTHER (SPECIFY)	
		BTEX		PAH	
DISPOSITION OF HOLE		BACKFILLED		OTHER (SPECIFY)	
		X		-	
		MONITORING WELL		OTHER (SPECIFY)	
		-		-	
				23. SIGNATURE OF INSPECTOR	
				Matthew Kelly	
LOCATION SKETCH/COMMENTS		SCALE:			

See page 3, this logbook, for location sketch.

well atmosphere, soil core, breathing zone, venting compressed air, etc.)

QA CHECK BY: _____ (Signature and Date)

HTRW DRILLING LOG

HOLE NUMBER D-DB-06 39

PROJECT: Fort Stewart/Hunter

INSPECTOR: *Timothy Coffey*

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	Light brown sand: Dry, F-grnd, mostly massive, rel. soft.	343 ppm	↑	N/A	Run #1 1.2 - 4 ft D: 2.8 ft R: 2.2 ft urea odor
3					
4	No Recovery	N/A		N/A	
5	As Above			0917	Run #2 4 - 8 ft D: 4 ft R: 3.5 ft
6	V. DK red - black sandy silt; dry, F-grnd, massive (w/ slight lightening of color at bottom), rel. packed.	1310 ppm	↓	N/A	
7				0919	
8		618 ppm		N/A	
9	Light brown sand: dry, F-grnd, mass/ uniform, rel. loose				
10	No Recovery	N/A		N/A	pred. odor
	As Above			0926	Run #3 8 - 12 ft D: 4 ft R: 3.3 ft water at 9.6 ft BGS
	Lt. gray-green clay: moist to wet, plastic, mottled/streaked, sand/silt ≤ 20%.	1400 ppm		AK0619	
		N/A		N/A	

HTRW DRILLING LOG

HOLE NUMBER D-DB-2640

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	clay (as above) lt. brown-gray sandy clay / clay sand: wet, F-grnd.	N/A	N/A	N/A	
12	lt. brn-gray sand: wet, F. to m-grnd.				
12	No Recovery				
13	No Soil drilling ^{TSC} Sampling				
14		N/A	AK0618	N/A	
15	End of Boring				TD = 15 ft
16					
17					
18					
19					
20					

well atmosphere, soil core, breathing zone, venting compressed air, etc.)
(Signature and Date)

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-D13-07									
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3									
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG											
NAME OF DRILLER: Bobby Lewis		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400											
SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT Geoprobe 5400 Truck-mounted DPT Rig; 3-in. diam. Macro-core barrel with Acetate liners; 1-in. diam. screened waters sampler.		8. HOLE LOCATION:											
		9. SURFACE ELEVATION:											
		10. DATE STARTED: 1/16/08		11. DATE COMPLETED: 1/16/08									
OVERBURDEN THICKNESS N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 14.0 ft BGS											
DEPTH DRILLED INTO ROCK N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A											
TOTAL DEPTH OF HOLE 14.0 ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A											
1. GEOTECHNICAL SAMPLES N/A		18. DISTURBED N/A		19. TOTAL NUMBER OF CORE BOXES N/A									
2. SAMPLES FOR CHEMICAL ANALYSIS		VOC		METALS		OTHER (SPECIFY)		OTHER (SPECIFY)		OTHER (SPECIFY)		21. TOTAL CORE RECOVERY %	
		BTEX		Lead		PAH							
3. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL		OTHER (SPECIFY)		23. SIGNATURE OF INSPECTOR					
		X		-		-							

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-073

PROJECT: Fort Stewart/Hunter

INSPECTOR

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	DK gray - brown sand: dry, mass., F-grnd.	34.3 ppm		N/A	Run #1 1.5-4 ft D: 2.5 ft R: 2.0 ft
3	grades for Pale yellow-brown sand: massive, F- grnd, dry.				
4	No Recovery				
5	As Above	45.5 ppm		N/A	Run #2 4-8 ft D: 4 ft R: 3.2 ft
6	Brown-gray sand; dry, F-grnd, mass, rel. loose.				
7	DR brn silty sand; Dry, v. F-grnd, rel. packed.				
8	Brn-gray to yell- brn sand: dry, massive, F-grnd, rel. loose.	122 ppm		N/A	
9	No Recovery	N/A		N/A	
10	Yellow-brown sand (As Above)	167 ppm.		N/A	Run #3 8-12 ft D: 4 ft R: 3.2 ft

HTRW DRILLING LOG

HOLE NUMBER D-B-0733

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	Yell-brn sand (As Above) some darker, silty zones,	N/A		N/A	water at 14 ft BGS.
	DK brn silty sand.				
	No Recovery				
12	No soil drilling sampling				
13		N/A	AK0718 (Reg) AK0714 (Dupl)	N/A	
14	End of Boring				TD = 14 ft
15					
16					
17					
18					
19					
20					

QA CHECK BY: _____ (Signature and Date) _____
well atmosphere, soil core, breathing zone, venting equipment, etc.)

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-08

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:
SAIC

SHEET 1 of 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAACG

5. NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

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

8. HOLE LOCATION: See location sketch

9. SURFACE ELEVATION:

10. DATE STARTED: 1/23/08

11. DATE COMPLETED: 1/23/08

12. OVERBURDEN THICKNESS: N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 11.0 ft BGS

13. DEPTH DRILLED INTO ROCK: N/A

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

14. TOTAL DEPTH OF HOLE: 15.0 ft

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

18. GEOTECHNICAL SAMPLES
S1/S2/S3

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES: N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

22. DISPOSITION OF HOLE

BACKFILLED

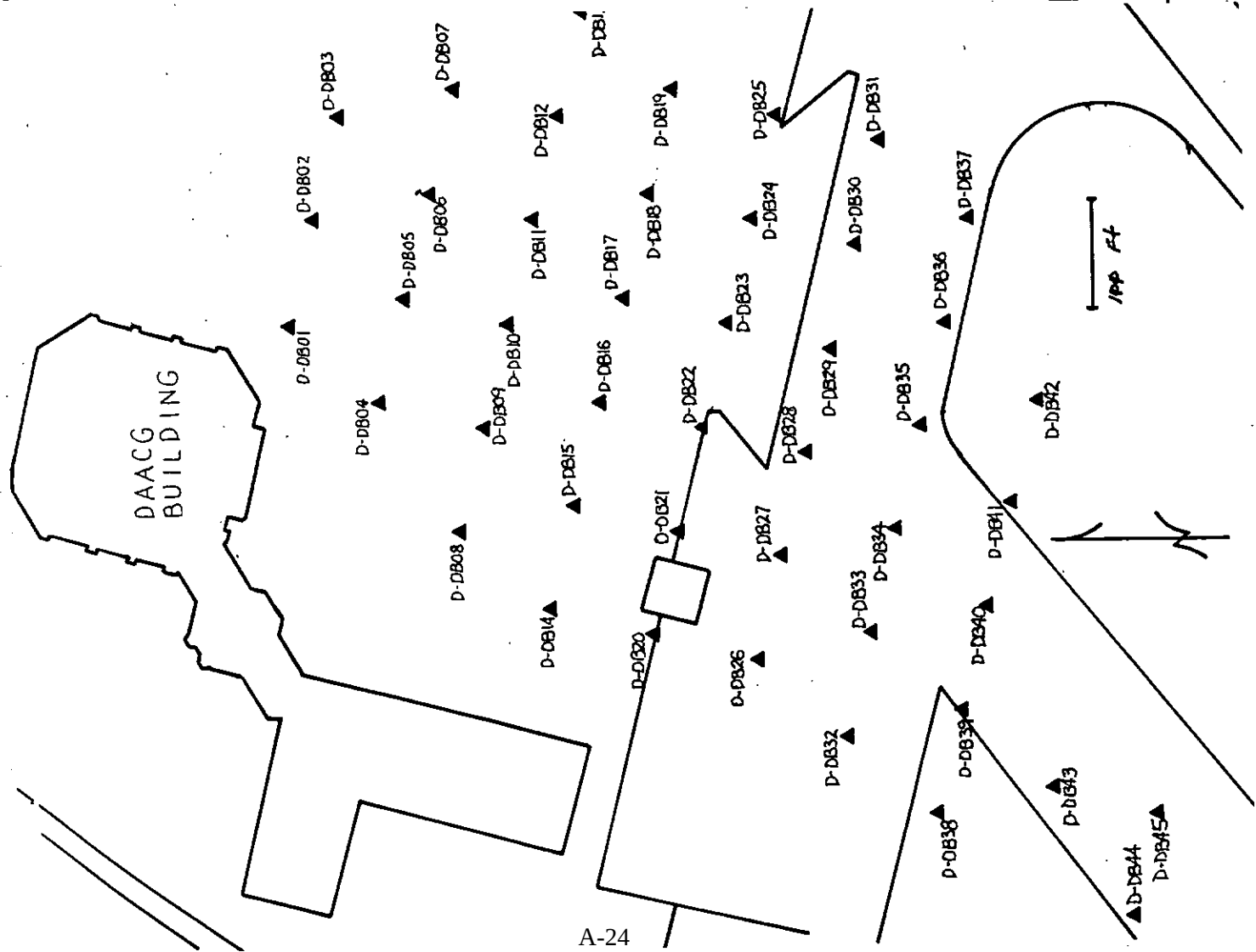
MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR
[Signature]

LOCATION SKETCH/COMMENTS

SCALE:



HTRW DRILLING LOG

HOLE NUMBER DB-00 4

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	1	Concrete	N/A	N/A	N/A	
	2	Gravel (undist.)				
	3	Lt. yell brn clay/ silty sand; dry, mottled, rel. packed, F-grnd.	83E ppm		N/A	Run #1 1.3-4 ft D: 2.7 ft R: 1.9 ft
	4	No Recovery	N/A		N/A	
	5	Pale yell brn to Lt. gray sand; dry, rel. massive, F-grnd, rel. loose.	76E ppm		N/A	Run #2 4-8 ft D: 4 ft R: 3.4 ft
	6				0912	
	7	DK brn silty sand.	315E ppm	N/A	AK 08/19	
	8	No Recovery	N/A		N/A	
	9	DK brn silty sand Lt green gray clay; dry, very stiff/ hard, st. plastic.	311E ppm		0917	Run #3 8-12 ft D: 4 ft R: 3.4 ft
	10	See below.				

HTRW DRILLING LOG

HOLE NUMBER DB-48 5

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Lt. gray to white sand: dry to wet, F-grnd, rel. loose, bdd (faint).	3116 ppm	N/A	0917	
	12	No Recovery	N/A		N/A	water at 11.4 ft BGS
	13	No soil sampling ↓	N/A	AK0010	N/A	
	15	End of Boring				TD = 15 ft.
	16					
	17					
	18					
	19					
	20					

well, atmosphere, sun word, wedding zone, visiting compresses all, etc.)

HOLE NUMBER

D-DB-49

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

4. LOCATION: HAAF/DAACG

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

B. HOLE LOCATION:

9. SURFACE ELEVATION:

10. DATE STARTED: 1/23/68 11. DATE COMPLETED: 1/23/68

15. DEPTH GROUNDWATER ENCOUNTERED: 9.0 ft BGS

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

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

~~Disturbed~~

~~UNDISTURBED~~

19. TOTAL NUMBER OF CORE BOXES *N/A*

VOC

METALS

OTHER (SPECIFY) _____

OTHER (SPECIFY) _____

OTHER (SPECIFY) _____

21. TOTAL CORE
RECOVERY

7. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER DB-49

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	Yellow-brown sand; dry, F-grnd, rel loose.		↑		Run #1 1.3-4 ft
3	Lt. gray to white sand; dry, F-grnd, massive.				D: 2.7 ft R: 2.5 ft
4	Brown silty sand; dry to moist, F- grnd, massive/ uniform, rel. packed.	296 ppm		N/A	
5	No Recovery	N/A		N/A	
6	Brown silty sand (As Above) grades to:	464 ppm	↓	N/A	Run #2 4-6 ft
7	Lt. brn silty sand; dry to moist, F- grnd, massive, rel. packed.			N/A	D: 4 ft R: 3.2 ft
8	grades to: P. yell-brn sand: rel loose	414 ppm		1034	
9	No Recovery	N/A		N/A	
10	P. Yell-brn sand.				
11	V. DK Brown-gray silty sand; moist to wet, v. F-grnd, packed, massive.	364 ppm		1037 AK0919	Run #3 8-12 ft
12	See Below	N/A	AK0918	N/A	D: 4 ft R: 3.3 ft water at 9.4 ft

HTRW DRILLING LOG

HOLE NUMBER DB-09

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOLOGICAL SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	Lt. green-gray clay; moist to wet, stiff, sh. plastic.	N/A	AKΦ910	N/A	
12	Lt. green-gray sandy clay.				
	No Recovery				
13	No soil sampling	N/A		N/A	
13	End of Boring				TD = 13 ft.
14					
15					
16					
17					
18					
19					
20					

well atmosphere, soil core, breathing zone, venting compressed air, etc.)

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ATRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-14	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
EQUIPMENT AND TYPES OF DRILLING AND SAMPLING EQUIPMENT Geoprobe 5400 Truck-mounted DPT rig, 2-in. diam. Macro-core barrel with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
10. DATE STARTED: 1/24/08		11. DATE COMPLETED: 1/24/08			
12. OVERBURDEN THICKNESS N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 10.4 ft BGS			
13. DEPTH DRILLED INTO ROCK N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
14. TOTAL DEPTH OF HOLE 14.0 ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. GEOTECHNICAL SAMPLES		DISTURBED N/A		UNDISTURBED N/A	
19. TOTAL NUMBER OF CORE BOXES N/A		20. SAMPLES FOR CHEMICAL ANALYSIS		21. TOTAL CORE RECOVERY %	
		VOC BTEX		METALS Lead	
		OTHER (SPECIFY) PAH		OTHER (SPECIFY)	
22. DISPOSITION OF HOLE		BACKFILLED X		MONITORING WELL —	
		OTHER (SPECIFY)		OTHER (SPECIFY)	
		23. SIGNATURE OF INSPECTOR		24. SIGNATURE OF DRILLER	

LOCATION SKETCH/COMMENTS SCALE:

See page 3, this logbook, for location sketch.

(Signature and Date)

HOLE NUMBER D-DB

SHEET 2 OF 3

SUBJECT: Fort Stewart/Hunter

INSPECTOR

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	DK gray silty sand Lt. brown silty sand; dry, F-grnd, gen. massive w/ faint bedding, rel. packed,	537 ppm		N/A	Run #1 1.3-4 ft D: 2.7 ft R: 1.9 ft
3	No Recovery	N/A		N/A	
4	Lt. brown silty sand (As Above)	1140 ppm		Ø816	Run #2 4-8 ft D: 4 ft R: 2.5 ft
5	grades for: Red-yellow sand; dry, F-grnd, loose, speckled.			N/A	N/A
6	No Recovery	N/A		N/A	
7	Lt. brown sand; dry, F-grnd, loose.	3040 ppm		Ø824	Run #3 8-12 ft D: 4 ft R: 3.5 ft
8	v. DK gray-brn silty sand; dry, rel. packed; F-grnd		AK1019		
9	Lt. green-gray clay; moist to wet, v. stiff, sl. plastic.	N/A		N/A	

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HTRW DRILLING LOG

HOLE NUMBER DB-44

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	Lt. green-gray clay (As Above)	N/A		N/A	water at 10.4 ft BGS.
12	Lt. brown-gray sandy clay, wet, non-plastic, fine grained.				
12	No Recovery				
13	No soil sampling ↓	N/A	AK1018	N/A	
14	End of Boring				TD = 14 ft.
15					
16					
17					
18					
19					
20					

well atmosphere, soil core, breathing zone, venting compressed air, etc.)

(Signature and Date)

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-11	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT Geoprobe 5400 truck-mounted DPT rig; 2-in. diam. Macro-cone barrel with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
		10. DATE STARTED: 1/24/08		11. DATE COMPLETED: 1/24/08	
12. OVERBURDEN THICKNESS N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 10.1 ft BGS			
13. DEPTH DRILLED INTO ROCK N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
14. TOTAL DEPTH OF HOLE 14.0 ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. GEOTECHNICAL SAMPLES DISTURBED UNDISTURBED		19. TOTAL NUMBER OF CORE BOXES N/A			
20. SAMPLES FOR CHEMICAL ANALYSIS VOC BTEX METALS Lead OTHER (SPECIFY) PAH		OTHER (SPECIFY) F		OTHER (SPECIFY) —	
21. DISPOSITION OF HOLE BACKFILLED X MONITORING WELL —		OTHER (SPECIFY) —		22. SIGNATURE OF INSPECTOR [Signature]	

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-11

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PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

ELEV. A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	1	Concrete	N/A	N/A	N/A	
	2	Lt. brown silty sand: dry to moist, F-grnd, rel. packed.	478 ppm	↑	N/A	Run #1 1.3-4 ft D: 2.7 ft R: 2.0 ft
	3					
	4	No Recovery	N/A		N/A	
	5	DK red-brown silty sand: dry, F-grnd, massive to: V. DK red-black sandy silt: dry, V. F-grnd, rel. packed, massive/uniform; (a few hard nodules/zones)	659 ppm	N/A	φ9φ8 N/A	Run #2 4-6 ft D: 4 ft R: 3.6 ft
	6				φ91φ	
	7		636 ppm		N/A	urea odor
	8	No Recovery	N/A	↓	N/A	
	9	DK red-brown sandy silt (As Above)	334φ ppm		φ915	Run #3 8-12 ft D: 4 ft R: 3.5 ft
	9	Brown-gray clay sand: dry, crumbly, F-grnd.			AK1119	
	10	Gray-green sandy clay (see below)				Glycol odor

A-34

A-34

14

HTRW DRILLING LOG

HOLE NUMBER D-DB-11 54

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	moist to wet, mod. plastic, Sand $\leq 25\%$.	N/A		0915	Water at 10.1 ft
12	Brn-gray clay: Sand $\leq 10\%$ No Recovery				
13	No soil sampling ↓	N/A	AK1110	N/A	
14	End of Boring				T.B. = 14 ft
15					
16					
17					
18					
19					
20					

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HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-12	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
PROJECT: Fort Stewart/Hunter			4. LOCATION: HAAF/DAACG		
NAME OF DRILLER: Chris Homer			6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400		
SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 4" rock-mounted DPT rig; 2-in. diam. Macro-core barrel with Acetate liners; 1-in. diam. screened water sampler.			8. HOLE LOCATION:		
			9. SURFACE ELEVATION:		
			10. DATE STARTED: 1/24/08		11. DATE COMPLETED: 1/24/08
12. OVERBURDEN THICKNESS: N/A			15. DEPTH GROUNDWATER ENCOUNTERED: 9.8 ft BGS.		
13. DEPTH DRILLED INTO ROCK: N/A			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A		
14. TOTAL DEPTH OF HOLE: 14.0 ft			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A		
18. GEOTECHNICAL SAMPLES		DISTURBED: N/A		UNDISTURBED: N/A	
19. TOTAL NUMBER OF CORE BOXES: N/A					
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC: BTEX	METALS: Lead	OTHER (SPECIFY): DPH	OTHER (SPECIFY):
21. TOTAL CORE RECOVERY %:					
22. DISPOSITION OF HOLE		BACKFILLED: X	MONITORING WELL: -	OTHER (SPECIFY): -	23. SIGNATURE OF INSPECTOR: [Signature]

LOCATION SKETCH/COMMENTS SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-12

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A	N/A	N/A	
1		DK gray silty sand; dry, F-grnd, massive.		↑		Run #1 1.2-4 ft
2		Lt. brn to pink-ora Silty sand; dry F-grnd, massive w/ subtle color variations, rel. packed.	291 ppm		N/A	D: 2.8 ft R: 2.3 ft
3						
4		No Recovery	N/A		N/A	
5		Brown to dark brown sand, massive, dry, rel. packed, F-grnd.	135 ppm	N/A	N/A	Run #2 4-8 ft
6		grades to:			1407	D: 4 ft R: 3.4 ft
7		Pale red sand; dry, massive, rel. loose, F-grnd.	145 ppm		N/A	
8		No Recovery	N/A		N/A	
9		Pale red sand (As Above)	384 ppm	↓	1412	Run #3 8-12 ft
10			N/A-37		N/A	D: 4 ft R: 3.2 ft water at 9.8 ft

60

1

2

3

4

5

6

7

8

9

10

HTRW DRILLING LOG

HOLE NUMBER D-13-12

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	Pale red to Lt. red-yell sand (As Above) FeO staining.	N/A		N/A	
12	No Recovery				
13	No soil sampling ↓	N/A	AK1218 (Reg) AK1214 (Dupl.)	N/A	
14	End of Boring				TD = 14 ft.
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-13

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 of 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION:

HAAF/DAACG

5. NAME OF DRILLER:

Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL:

Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

Geoprobe 5400 Truck-mounted DPT rig

8. HOLE LOCATION:

2-in. diam. Macro-core barrel with Acetate liners, 1-in. diam. screened water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/24/08

11. DATE COMPLETED: 1/24/08

12. OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED:

9.0 ft BGS

13. DEPTH DRILLED INTO ROCK

N/A

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

N/A

14. TOTAL DEPTH OF HOLE

13.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18. GEOTECHNICAL SAMPLES

~~Disturbed~~

~~Undisturbed~~

19. TOTAL NUMBER OF CORE BOXES

N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

SCALE:

LOCATION SKETCH/COMMENTS

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG						HOLE NUMBER-DB-13
PROJECT: Fort Stewart/Hunter			INSPECTOR: Timothy Coffey		SHEET 2 OF 3	
ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GROTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A	N/A	N/A	
		Gray-brn silty sand.			1100	Run #1
		Lt. brn-gray sand, dry, F-grnd, bdd (faint), rel. packed	11.8 ppm		AK1319	1.3-4 ft D: 2.7 ft R: 2.2 ft
		DK brn-gray silty sand: dry, F-grnd, pckd.				
		No Recovery	N/A		N/A	
		DK red-black sandy silt: dry, v. F- grnd, massive/unif- form, packed.	φ.φ ppm	N/A	N/A	Run #2 4-8 ft D: 4 ft R: 3.6 ft
		Red-yellow to dk red-yellow silty sand: dry, F-grnd, rel. loose, some dark intervals (silty).	φ.φ ppm		1111 N/A	
		No Recovery	N/A		N/A	
		Red-yellow silty sand (As Above)	φ.φ ppm		N/A	Run #3 8-12 ft D: 4 ft R: 3.4 ft
		grades to:				
		DK red-yellow sand: wet, massive, F- grnd, packed.	N/A	AK1310	N/A	water at 9.φ ft BGS.

HTRW DRILLING LOG

HOLE NUMBER D-DB-13 68

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		DK red-yellow sand (As Above)				
	11	DK red-brown sandy silt; wet, v. fine-grained, well packed,	N/A	AX 1310	N/A	
	12	No Recovery				
	13	No soil sampling	N/A		N/A	
	13	End of Boring				TD = 13 ft.
	14					
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-14	
1. COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
3. PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
5. NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
7. TYPES AND TYPES OF DRILLING EQUIPMENT: Geoprobe 5400 Rock- mounted DPT rig; 2-in. diam. Macro-core barrel; with Acetate liners; 1-in. diam screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
		10. DATE STARTED: 1/23/08		11. DATE COMPLETED: 1/23/08	
12. OVERBURDEN THICKNESS N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 9.6 ft BGS			
13. DEPTH DRILLED INTO ROCK N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
14. TOTAL DEPTH OF HOLE 14.0 ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. GEOTECHNICAL SAMPLES		DISTURBED N/A		UNDISTURBED N/A	
19. TOTAL NUMBER OF CORE BOXES N/A					
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC BTEX		METALS Lead	
		OTHER (SPECIFY) PAH		OTHER (SPECIFY) OTHER (SPECIFY)	
21. DISPOSITION OF HOLE		BACKFILLED X		MONITORING WELL —	
		OTHER (SPECIFY) —		22. SIGNATURE OF INSPECTOR <i>[Signature]</i>	

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for
location sketch.

HTRW DRILLING LOG

HOLE NUMBER DB-14

18

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	Bnn-gray to lt. bnn-gray sand; moist, F-grnd; mottled to bld; rel. packed; 1 FeO concentration (module)	76.3 ppm	↑ N/A ↓	N/A	Run #1 1.2 - 4 ft D: 2.8 ft R: 2.4 ft
3	No Recovery	N/A		N/A	
4	Lt. bnn-gray to Lt. brown sand (As Above)	113 ppm		1145 N/A	Run #2 4 - 8 ft D: 4 ft R: 3.4 ft
5	some silt near bottom				
6	Lt. green-gray sandy clay; moist, rel. stiff, sl. plast to non-plastic.	84.4 ppm		1147 AK1419	
7	No Recovery	N/A		N/A	
8	White to light gray sand; dry to wet, F-grnd; massive w/ scatted bedding planes, rel. loose, sugary.	33.8 ppm		1153 N/A	Run #3 8 - 12 ft D: 4 ft R: 2.8 ft
9		N/A		N/A	Water at 9.6 ft BGS.
10					

HTRW DRILLING LOG

HOLE NUMBER DB-14 19

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

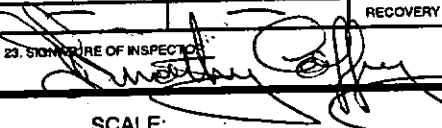
SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	White to light gray sand (As Above).	N/A		N/A	
12	No Recovery				
13	No soil sampling ↓	N/A	AK1410	N/A	
14	End of Boring				TD = 14 ft.
15					
16					
17					
18					
19					
20					

well atmosphere, soil core, breathing zone, venting compressed air, etc.)

(Signature and Date)

UNCLASSIFIED BY:

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-15	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
1. NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
7. TYPES AND TYPES OF DRILLING EQUIPMENT Geoprobe 5400 truck-mounted DPT rig; 3-in. diam. Macro-core barrel with acetate liners, 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
		10. DATE STARTED: 1/23/08		11. DATE COMPLETED: 1/23/08	
12. OVERBURDEN THICKNESS N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 9.8 ft BGS			
13. DEPTH DRILLED INTO ROCK N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
14. TOTAL DEPTH OF HOLE 14.0 ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. GEOTECHNICAL SAMPLES		DISTURBED N/A		UNDISTURBED N/A	
19. TOTAL NUMBER OF CORE BOXES N/A		VOC BTEX		METALS Lead	
20. SAMPLES FOR CHEMICAL ANALYSIS		OTHER (SPECIFY) PAH		OTHER (SPECIFY)	
21. DISPOSITION OF HOLE		BACKFILLED X		MONITORING WELL —	
		OTHER (SPECIFY)		OTHER (SPECIFY)	
		23. SIGNATURE OF INSPECTOR: 		21. TOTAL CORE RECOVERY %	

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER DB-15 25

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	Lt. brown silty sand: dry to moist, F-grnd, rel. loose, gen. massive w/ minor FeO staining.	73.8 ppm	N/A	N/A	Run #1 1.3 - 4 ft D: 2.7 ft R: 2.5 ft
3	Lt. gray to white sand: moist to dry, F-grnd, cont'd FeO staining.				
4	No Recovery	N/A		N/A	
5	Lt. brn sand: dry, rel. loose, F-grnd, massive. grades to: white sand: dry, F-grnd, loose, massive	87.1 ppm		1240 N/A	Run #2 4-8 ft D: 4 ft R: 3.5 ft
6	Brown silty sand: dry to moist, F-grnd, massive, rel. packed	2740 ppm	N/A	1243 AK1519	
7	Lt. brn-gray sandy clay: dry, crumbly, mass to thin-lam.			N/A	
8	No Recovery	N/A		N/A	
9	Lt. brn-gray sandy clay (As Above)	2620 ppm		N/A	Run #3 8-12 ft D: 4 ft R: 3.2 ft
10	White sand: dry to wet, massive/uniform, sugary.	N/A-46		N/A	water at 9.8 ft BGS

HTRW DRILLING LOG

HOLE NUMBER DB-1526

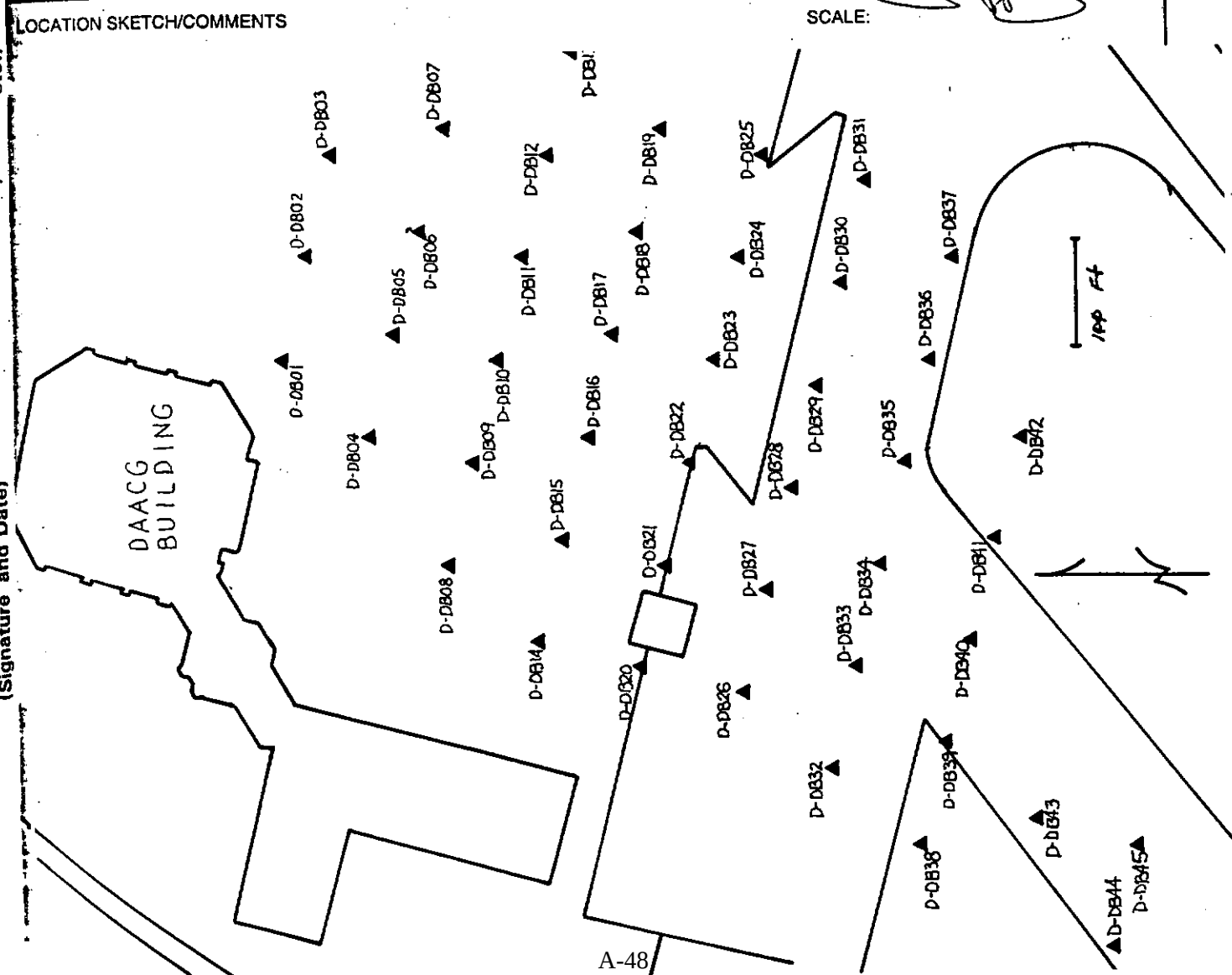
PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	white sand (As Above)	N/A	AR1518	N/A	
12	No Recovery				
13	No soil sampling ↓	N/A		N/A	
14	End of Boring				TD = 14 ft.
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-16	
1. COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
3. PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
5. NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig; 2-in. diam. Macro-core barrel with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION: See location sketch			
		9. SURFACE ELEVATION:			
		10. DATE STARTED: 1/24/08		11. DATE COMPLETED: 1/24/08	
12. OVERBURDEN THICKNESS: N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 9.8 ft BGS.			
13. DEPTH DRILLED INTO ROCK: N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
14. TOTAL DEPTH OF HOLE: 14.0 ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. GEOTECHNICAL SAMPLES: DISTURBED: N/A UNDISTURBED: N/A		19. TOTAL NUMBER OF CORE BOXES: N/A			
20. SAMPLES FOR CHEMICAL ANALYSIS: VOC: BTEX METALS: Lead OTHER (SPECIFY): PAH		OTHER (SPECIFY):		OTHER (SPECIFY):	
21. TOTAL CORE RECOVERY %:		22. SIGNATURE OF INSPECTOR: [Signature]			
23. DISPOSITION OF HOLE: BACKFILLED: X MONITORING WELL: - OTHER (SPECIFY): -					



QA CHECK BY: _____ (Signature and Date)

well, atmosphere, soil core, brackish water, etc.)

HTRW DRILLING LOG

HOLE NUMBER DB-12

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy C. Ray

SHEET 2 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A	N/A	N/A	
	1	Gray-brown silty sand: moist, F-grnd.				Run #1
	2	grades to: Yellow-brown silty sand: dry, F-grnd, massive.	102 ppm		N/A	1.2 - 4 ft D: 2.8 ft R: 2.5 ft
	3	Lt. gray to pale yellow-brn sand: Dry, F-grnd, rel. loose.				urea odor
	4	No Recovery	N/A		N/A	Run #2
	5	Chocolate brown silty sand: moist to dry, F-grnd, rel. packed.	95.7 ppm		N/A	4-8 ft D: 4 ft R: 3.2 ft
	6	Lt. brown to yellow brown silty sand: moist, F-grnd, loose, massive w/ subtle color variations (dark intervals more packed)	90.7 ppm		1256	
	7				N/A	
	8	No Recovery	N/A		N/A	
	9	Lt. brn silty sand (As Above)			1341	Run #3
	10	Lt. green-gray clay: moist, stiff, silty to non-plastic	118 ppm		AK1619	8-12 ft D: 4 ft R: 3.5 ft Water at 9.8 ft BGS.
		See below	N/A		N/A	

HTRW DRILLING LOG

HOLE NUMBER D-DB-16

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

SHEET 3 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Lt. brn-gray to white sand: wet, F-grnd, F-grnd, sugary, massive.	N/A		N/A	
	12	No Recovery				
	13	No soil Sampling ↓	N/A	AK 1618	N/A	
	14	End of Boring				TD = 14 ft
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-17

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 of 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAA CG

5. NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

Geoprobe 5400 Truck-mounted DPT rig;

8. HOLE LOCATION:

2-in. diam. Macro-core barrel with Acetate liners; 1-in. diam. screened water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/24/08

11. DATE COMPLETED: 1/24/08

12. OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 9.7 ft BGS

13. DEPTH DRILLED INTO ROCK

N/A

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

N/A

14. TOTAL DEPTH OF HOLE

14.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18. GEOTECHNICAL SAMPLES

~~None~~

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-17

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	1	Concrete	N/A	N/A	N/A	
	2	DK yellow-brown silty sand; dry to moist, F-grnd, gen. massive, rare FeO staining from middle to bottom.	125 ppm	↑	N/A	Run #1 1.5-4 ft D: 2.5 ft R: 2.0 ft
	3	No Recovery	N/A		N/A	
	4	DK yellow-brown silty sand (As Above)	442 ppm		N/A	Run #2 4-8 ft D: 4 ft R: 3.5 ft
	5			N/A		
	6	Dark brown silty sand; dry, F-grnd, mottled, rel. pocked.	148 ppm	↓	1357	
	7	Green-gray sandy clay; dry, crumbly, weak, non-plast. sand ≤ 40%.			N/A	
	8	No Recovery	N/A		N/A	
	9	Green-gray sandy clay	741 ppm	↓	1467	Run #3 8-12 ft D: 4 ft R: 3.2 ft
	10	Lt. yellow-brown to white sand; dry to wet, massive w/ occ. bedding planes visible, F-grnd, sugary.			XX1719	water at 9.7 ft BGS.
			N/A		N/A	

HTRW DRILLING LOG

HOLE NUMBER DB-17 12

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

ELEV	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Lt. yellow-brown to white sand (As Above)	N/A		N/A	
	12	No Recovery				
	13	No soil Sampling ↓	N/A	AK1718 (Reg) AK1714 (Dupl.)	N/A	
	14	End of Boring				TD = 14 ft
	15					
	16					
	17					
	18					
	19					
	20					

well atmosphere, soil core, breathing zone, venting compressed air, etc.)

QA CHECK BY: _____ (Signature and Date)

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-D3-18	
1. COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
3. PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
5. NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Rock-mounted DPT rig; 2-in. diam. Macro-conc barrel with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
9. SURFACE ELEVATION:		10. DATE STARTED: 1/24/08			
11. DATE COMPLETED: 1/24/08		12. OVERBURDEN THICKNESS: N/A			
13. DEPTH DRILLED INTO ROCK: N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 9.9 FT BGS			
14. TOTAL DEPTH OF HOLE: 14.0 FT		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A		19. TOTAL NUMBER OF CORE BOXES: N/A			
20. DISPOSITION OF HOLE: BACKFILLED: X MONITORING WELL: - OTHER (SPECIFY): -		21. TOTAL CORE RECOVERY %:		22. SIGNATURE OF INSPECTOR: [Signature]	

LOCATION SKETCH/COMMENTS

SCALE: _____

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-18

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Collier

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	DK gray-black silty sand: moist, F-grnd, rel. packed, "dirty"		↑		Run #1 1.2-4 ft
3	Lt. brown-yellow sand: dry, F-grnd, rel. packed, gen. massive w/ faint bedding planes visible.	965 ppm		N/A	D: 2.8 ft R: 2.4 ft
4	No Recovery	N/A		N/A	
5	Lt. yell-bm sand				Run #2 4-8 ft
6	Red-yellow silty sand: dry to moist, F-grnd, massive/uniform.	528 ppm		N/A	D: 4 ft R: 3.2 ft
7			N/A	1504	
8	DK red-yellow silty sand.	573 ppm		N/A	
9	No Recovery	N/A		N/A	
10	DK red yellow silty sand: dry, F-grnd, massive, rel. packed.		↓	1508	Run #3 8-12 ft
11	Lt brown sand: moist to wet, gen. massive, F-grnd.	3224 ppm		AK1019	D: 4 ft R: 3.4 ft
12		N/A		N/A	water at 9.9 ft BGS

HTRW DRILLING LOG

HOLE NUMBER D-03-18 19

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

LEA N	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Lt brown sand (As Above)				
	11	DR brn silty sand wet, massive to bdd, F-grnd.	N/A		N/A	
		Lt. green-gray clay.				
	12	No Recovery				
	13	No soil sampling ↓	N/A	AR1810	N/A	
	14	End of Boring				TD = 141 ft.
	15					
	16					
	17					
	18					
	19					
	20					

well atmosphere, soil core, breathing zone, velocity compensated air, etc.)

QA CHECK BY: _____ (Signature and Date)

29

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-19	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
1. SUBJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
3. NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
5. TYPES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: 2-in. diam. Macro-cone barrel with Acetate liners, 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
12. OVERBURDEN THICKNESS N/A		10. DATE STARTED: 1/25/08 11. DATE COMPLETED: 1/25/08			
13. DEPTH DRILLED INTO ROCK N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 8.2 ft BGS			
14. TOTAL DEPTH OF HOLE 12.5 ft BGS		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A		19. TOTAL NUMBER OF CORE BOXES N/A			
18. GEOTECHNICAL SAMPLES N/A		DISTURBED N/A		UNDISTURBED N/A	
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC BTEX		METALS Lead	
		OTHER (SPECIFY) PAH		OTHER (SPECIFY)	
21. DISPOSITION OF HOLE		BACKFILLED X		MONITORING WELL —	
		OTHER (SPECIFY) —		OTHER (SPECIFY)	
		23. SIGNATURE OF INSPECTOR <i>[Signature]</i>		21. TOTAL CORE RECOVERY %	

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-19

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

SHEET 2 OF 3

25

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	DK gray-black silty sand: moist, F- grnd, massive/ uniform, rel. loose.	0.2 ppm	↑	N/A	Run #1 1.3-4 ft D: 2.7 ft R: 2.4 ft
3					
4	No Recovery	N/A		N/A	
5	Black silt: dry. v. F. grnd, mossy/ uniform, soft. One large wood fragment.	3.7 ppm	N/A	0811	Run #2 4-8 ft D: 4 ft R: 2.7 ft
6	DK red-yellow silty sand: dry, mottled.			AK1919	
7	Red-yellow silty sand: dry, F-grnd, rel. loose.		↓		
8	No Recovery	N/A		N/A	water at 8.2 ft BGS.
9	Strong brown sand: wet, F- to M-grnd, massive, packed.	N/A	AK1918	N/A	Run #3 8-12 ft D: 4 ft R: 3.5 ft
10					

HTRW DRILLING LOG

HOLE NUMBER DB-19 26

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	(As Above)	N/A	AK1910	N/A	
12	No Recovery				
12	No soil sampling	N/A		N/A	
13	End of Boring				TD = 11 12.5 ft 26
14					
15					
16					
17					
18					
19					
20					

ATRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-24

38

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

PROJECT: Fort Stewart/Hunter

4. LOCATION:

HAAF/DAACG

NAME OF DRILLER:

Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL:

Geoprobe 5400

TESTS AND TYPES OF DRILLING
AND SAMPLING EQUIPMENT

Geoprobe 5400 Rock-
mounted DPT rig.

8. HOLE LOCATION:

7-in. diam. Macro-pore barrel with
Acetate liners, 1-in. diam.
screened water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/23/08

11. DATE COMPLETED: 1/23/08

OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED:

9.9 ft BGS

DEPTH DRILLED INTO ROCK

N/A

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

N/A

TOTAL DEPTH OF HOLE

14.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

1. GEOTECHNICAL SAMPLES

UNDISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

N/A

2. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE
RECOVERY %

BTEX

Lead

PAH

3. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for
location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-24 39

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	Lt. Brn-gray to yellow-brown silty sand; dry, F-grnd, vel. packed, subtle color variations.	63.1 ppm	↑	1441	Run #1 1.4-4 ft D: 2.6 ft R: 2.3 ft
3				AK2819	
4	No Recovery	N/A		N/A	
5	Lt. brown-gray to Lt. gray sand (As Above)	13.6 ppm	N/A	1446	Run #2 4-8 ft D: 4 ft R: 3.1 ft
6				N/A	
7	Brown silty sand; Dry, F-grnd, vel. loose.	34.3 ppm		1448	
8	No Recovery	N/A	↓	N/A	
9	P. yellow-brn sand; dry, F-grnd, gen. massive, vel. loose.	41.7 ppm		1454	Run #3 8-12 ft D: 4 ft R: 3.4 ft water at 9.9 ft
10	See below	N/A		N/A	BGS:

HTRW DRILLING LOG

HOLE NUMBER D-D3-24 40

SHEET 3 OF 3

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

DEPTH
(B)DESCRIPTION OF MATERIALS
(C)HEADSPACE
SCREENING
RESULTSGEOTECH
SAMPLE
OR CORE BOXANALYTICAL
SAMPLE NO.
(F)REMARKS
(G)

11

Brown to yellow-
brown to white silty
sand: wet, thin-
bedded, fine-grained, rel.
packed.

N/A

N/A

12

No Recovery

AKZQ18

13

No soil
sampling
↓

N/A

N/A

14

End of Boring

TD = 14 ft.

15

16

17

18

19

20

well atmosphere, soil core, breathing zone, venting compressed air, etc.)

31

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-21	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
EQUIPMENT AND TYPES OF DRILLING SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig; 2-in. diam. Macrop-core barrel with acetate liners, 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
10. DATE STARTED: 1/23/08		11. DATE COMPLETED: 1/23/08			
12. OVERBURDEN THICKNESS: N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 9.9 RT BAGS			
13. DEPTH DRILLED INTO ROCK: N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
14. TOTAL DEPTH OF HOLE: 14 RT BAGS		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. GEOTECHNICAL SAMPLES		DISTURBED: N/A		UNDISTURBED: N/A	
19. TOTAL NUMBER OF CORE BOXES: N/A					
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC: BTEX		METALS: Lead	
		OTHER (SPECIFY): PAH		OTHER (SPECIFY):	
21. DISPOSITION OF HOLE		BACKFILLED: X		MONITORING WELL: —	
		OTHER (SPECIFY):		OTHER (SPECIFY):	
				22. SIGNATURE OF INSPECTOR: [Signature]	
LOCATION SKETCH/COMMENTS		SCALE:			

See page 3, this logbook, for location sketch.

(Signature and Date)

HTRW DRILLING LOG

HOLE NUMBER DB-21 32

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	Yellow-brown silty sand: dry, F-grnd, rel. loose, massive/uniform.	679 ppm	N/A	N/A	Run #1 1.3-4 ft D: 2.7 ft R: 2.2 ft
3					
4	No Recovery	N/A		N/A	
5	DK yell-brn silty sand. Lt gray to white sand: dry, F-grnd, massive w/ subtle color variations, rel. loose.	214 ppm		1353	Run #2 4-8 ft D: 4 ft R: 3.3 ft
6			N/A	1355	Product color.
7	DK yell-brn silty sand: dry, F-grnd,	621 ppm		N/A	
8	No Recovery	N/A		N/A	
9	Yellow-brown sand: dry, F-grnd, rel. loose, massive w/ sl. color variations.	2774 ppm		1359	Run #3 8-12 ft D: 4 ft R: 3.4 ft
10	Lt gray to white sand (see below)			2119	water at 9.9 ft BGS.

HTRW DRILLING LOG

HOLE NUMBER D-D3-2183

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	lt. gray to white, sand: dry to wet, massive/ciliform, Kgrnd, segary.	N/A		N/A	
12	No Recovery				
13	No soil Sampling ↓	N/A	AR2118	N/A	
14	End of Boring				TD = 14 ft.
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-22	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
MATERIALS AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Rock-mounted DPT rig; 1-in. diam. Macro-core barrel with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
9. SURFACE ELEVATION:		10. DATE STARTED: 1/25/08			
11. DATE COMPLETED: 1/25/08		15. DEPTH GROUNDWATER ENCOUNTERED: 9.7 Ft BGS			
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. TOTAL DEPTH OF HOLE: 13.0 Ft		19. TOTAL NUMBER OF CORE BOXES: N/A			
20. GEOTECHNICAL SAMPLES: N/A		21. TOTAL CORE RECOVERY %:			
22. SAMPLES FOR CHEMICAL ANALYSIS: VOC, METALS, OTHER (SPECIFY) PAH		23. SIGNATURE OF INSPECTOR: [Signature]			
24. DISPOSITION OF HOLE: BACKFILLED, MONITORING WELL, OTHER (SPECIFY)		SCALE: [Signature]			

LOCATION SKETCH/COMMENTS

See page 3, this logbook, for location sketch.

QA CHECK BY: (Signature and Date)

HTRW DRILLING LOG

HOLE NUMBER D-03-22 30

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	Gray-brown silty sand.		↑		Run #1
3	Gray-brown to brown-yellow sand; dry, F-grnd, massive, rel. packed, FeO staining.	530 ppm		N/A	1.4-4 ft D: 2.6 ft R: 2.0 ft
4	No Recovery	N/A		N/A	
5	As Above		↓		Run #2
6	DK red-brown to Lt. red-arg silty sand; dry, F-grnd, massive w/ color variations.	129 ppm		N/A	4-8 ft D: 4 ft R: 3.4 ft
7				#909	
8	DK red-black sandy silt; dry, v. F-grnd, packed.	409 ppm		N/A	
9	No Recovery	N/A		N/A	
10	DK red-arg silty sand; dry, F-grnd, gen. massive, rel. loose.	1830 ppm		#913 AK2219 (Arg) AK2213 (Arg)	Run #3 8-12 ft D: 4 ft R: 3.6 ft water at 9.7 ft BGS.
	Gray-brown sand; wet, F-to M-grnd.	N/A	AK221E	N/A	

HTRW DRILLING LOG

HOLE NUMBER D-DB-2233

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	Lt. green-gray clay: moist to wet, very stiff, sl. plastic.	N/A	AK2218	N/A	
12	No Recovery				
13	No soil Sampling	N/A		N/A	
13	End of Boring				TD = 13 ft.
14					
15					
16					
17					
18					
19					
20					

TRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
DDB-23

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:
SAIC

SHEET 1 OF 3

PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAACG

NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

TEST AND TYPES OF DRILLING
AND SAMPLING EQUIPMENT

Geoprobe 5400 Truck-
mounted DPT rig.
1-in. diam. Macro-core barrel
with Acetate liners. 1-in. diam.
screened water sampler.

8. HOLE LOCATION:

9. SURFACE ELEVATION:

10. DATE STARTED: 1/25/08

11. DATE COMPLETED: 1/25/08

OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 9.6 ft BGS.

DEPTH DRILLED INTO ROCK

N/A

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

TOTAL DEPTH OF HOLE

13.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

GEOTECHNICAL SAMPLES

N/A

N/A

19. TOTAL NUMBER OF CORE BOXES

N/A

SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE
RECOVERY %

POSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for
location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-2339

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	DK gray-black silty sand; moist, F-grnd, "dirty".	358 ppm	↑	N/A	Run #1 1.3-4 ft D: 2.7 ft R: 2.3 ft
3	Lt. yellow-brown sand; dry, F-grnd, massive (but grad. from above).				
4	No Recovery	N/A		N/A	
5	Pale red-brown sand; dry, F-grnd, mass.	165 ppm		N/A	Run #2 4-8 ft D: 4 ft R: 3.1 ft
6	Red-brown silty sand; dry, F-grnd, massive, sl. color variations.		↓	1032	
7	DK red-brn to red yellow sandy silt; dry, some nodules.	655 ppm		N/A	
8	No Recovery	N/A		N/A	
9	Red-yellow sand; dry to wet, F- grnd, micaceous, mottled (speckled) rel. loose.	2824 ppm		1040 AK2319	Run #3 8-12 ft D: 4 ft R: 2.8 ft water at 9.6 ft BGS
10		N/A	AK2318	N/A	

HTRW DRILLING LOG

HOLE NUMBER DB-2340

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	Reddish-yellow sand (As Above).	N/A	AR2318	N/A	
12	No Recovery (some running sand).			N/A	
13	No soil sampling	N/A		N/A	
14	End of Boring				TD = 13 ft.
15					
16					
17					
18					
19					
20					

well atmosphere, soil core, breathing zone, venting compressed air,
etc.)

QA CHECK BY: _____
(Signature and Date)

TRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER

D-DB-24

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

PROJECT: Fort Stewart/Hunter

4. LOCATION:

HAAF/DAACG

NAME OF DRILLER:

Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

DESIGN AND TYPES OF DRILLING
AND SAMPLING EQUIPMENT

Geoprobe 5400 Truck-
mounted DPT rig;

8. HOLE LOCATION:

3-in. diam. Macro-core barrel
with Acetate Linings; 1-in. diam.
screened water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/25/08

11. DATE COMPLETED: 1/25/08

OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 11.0 ft BGS

DEPTH DRILLED INTO ROCK

N/A

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

N/A

TOTAL DEPTH OF HOLE

14.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

1. GEOTECHNICAL SAMPLES

N/A

N/A

19. TOTAL NUMBER OF CORE BOXES

N/A

2. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE
RECOVERY %

BTEX

Lead

PAH

3. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for
location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-B-24

46

SUBJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Concrete	N/A	N/A	N/A	
2	DK gray-black silty Sand: moist to dry, F-grnd.	657 ppm	↑	N/A	Run # 1 1.3-4 ft D: 2.7 ft R: 2.3 ft
3	Gray-brown silty Sand: dry, F-grnd, gen. massive, rel. packed.				
4	No Recovery	N/A	N/A	N/A	Run # 2 4-8 ft D: 4 ft R: 3.3 ft
5	Red-yellow to dark red-yellow silty sand: dry, massive/uniform (overall darkening w/depth), F-grnd, rel. packed.	384 ppm		N/A	
6		1564 ppm		1132	
7				N/A	
8	No Recovery	N/A	↓	N/A	Run # 3 8-12 ft D: 4 ft R: 3.5 ft
9	Red-yellow silty sand (As Above)	2934 ppm		1138	
10	DK red-brown sandy silt: dry, v. F-grnd; Lt green-gray clay: moist, stiff, sl. plastic.	N/A		AK2419 N/A	

10

HTRW DRILLING LOG

HOLE NUMBER DB-47

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy C. Pay

SHEET 3 OF 3

LEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Lt-green-gray clay (As Above)	N/A		N/A	water at 11.4 ft BGS.
	12	Brn-gray sand clay No Recovery		AK2410		
	13	No soil sampling ↓	N/A		N/A	
	14	End of Boring				TD = 14 ft
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER

DDB-25

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

PROJECT: Fort Stewart/Hunter

4. LOCATION:

HAAF/DAACG

NAME OF DRILLER:

Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

Geoprobe 5400 Truck-mounted DPT rig;

8. HOLE LOCATION:

2-in. diam. Macro-cone barrel with Acetate liners; 1-in. diam. screened water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/25/08

11. DATE COMPLETED: 1/25/08

OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 8.0 ft BGS

DEPTH DRILLED INTO ROCK

N/A

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

N/A

TOTAL DEPTH OF HOLE

12.5 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

GEOTECHNICAL SAMPLES

UNDISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

N/A

SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

SCALE:

LOCATION SKETCH/COMMENTS

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-13-25

53

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	1	Concrete	N/A	N/A	N/A	
	2	Light brown silty sand: dry to moist, F-grnd, rel. loose.	13.3 ppm		13#6	Run #1 1.4 - 4 ft D: 2.6 ft R: 2.4 ft
	3	DK red-brown sandy silt: dry, v. F-grnd packed.			AK 2519	
	4	No Recovery	N/A		N/A	
	5	DK red-brown sandy silt (As Above) grades to:	φ.φ ppm		N/A	Run #2 4 - 8 ft D: 4 ft R: 3.5 ft
	6	DK red-yellow silty sand: dry, F-grnd massive.			131#	
	7	grades to: Red-yellow silty sand: dry, F- grnd, massive, rel. loose.	φ.φ ppm		N/A	
	8	No Recovery	N/A		N/A	water at 8 ft
	9	Red-yellow to dk red-yellow sand: wet, F to m-grnd, massive.	N/A	AK 2518	N/A	Run #3 8 - 12 ft D: 4 ft R: 3.5 ft
10						

14

HTRW DRILLING LOG

HOLE NUMBER D-DG-2554

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	Red-yellow to dk red-yellow sand. (As Above)	N/A	AK2518	N/A	
12	No Recovery				
	No soil sampling	N/A		N/A	
13	End of Boring				TD = 12.5 ft.
14					
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-26

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAACG

NAME OF DRILLER:

Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

Geoprobe 5400 truck-mounted DPT rig

8. HOLE LOCATION:

2-in. diam. Macro cone barrel with acetate liners; 1-in. diam. screened water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/25/08

11. DATE COMPLETED: 1/25/08

12. OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 14.3 ft BGS

13. DEPTH DRILLED INTO ROCK

N/A

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

N/A

14. TOTAL DEPTH OF HOLE

14.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18. GEOTECHNICAL SAMPLES

ASTM D 1586

ASTM D 1586

19. TOTAL NUMBER OF CORE BOXES

N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Asphalt	N/A	N/A	N/A	
		Concrete	N/A	N/A	N/A	
		Gray-black silty sand. light brown silty sand; dry, F-gnd, gen. massive.	111 ppm	↑	N/A	Run #1 1.2 - 4 ft D: 2.8 ft R: 2.3 ft
		DK yellow-brown silty sand: Fe stain.				
		No Recovery	N/A		N/A	
		DK yellow-brown silty sand (As Above)	9.5 ppm		N/A	Run #3 4 - 8 ft D: 4 ft R: 3.0 ft
			1421	N/A	1421	
		Lt gray to white sand; dry, loose, F-gnd, sugary.	12.3 ppm	↓	N/A	
		No Recovery	N/A		N/A	
		Lt gray to white sand (As Above)	114 ppm		1425	Run #3 8 - 12 ft D: 4 ft R: 3.1 ft
					AK2619	

HTRW DRILLING LOG

HOLE NUMBER DB-2601

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy C. Pley

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOCHEM SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Brown-gray silty sand: wet, F-gmd, massive w/ mn bedding planes.	114 ppm		1425 AKZ619	water at 14.3 ft BGS
	12	No Recovery	N/A		N/A	
	13	No soil sampling ↓	N/A	AKZ618	N/A	
	14	End of Boring				TD = 14 ft
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-27

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAACG

5. NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

Geoprobe 5400 Truck-mounted DPT rig

8. HOLE LOCATION:

9. SURFACE ELEVATION:

10. DATE STARTED: 1/26/08 11. DATE COMPLETED: 1/26/08

12. OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 10.3 ft BGS

13. DEPTH DRILLED INTO ROCK

N/A

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

N/A

14. TOTAL DEPTH OF HOLE

14.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18. GEOTECHNICAL SAMPLES

DISCARDED

UNTESTED

19. TOTAL NUMBER OF CORE BOXES N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

PROJECT: Fort Stewart/Hunter

INSPECTOR: *Timothy C. Ray*

HOLE NUMBER D-DB-2769
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)
		Asphalt	N/A	N/A	N/A	
	1	Concrete				
		Dark gray silty sand: wet				Run #1
	2	Dark yellow-brown silty sand: Dry, F-grnd, gen. mass w/ faint, scatted bedding planes.	492 ppm		N/A	1.2 - 4 ft D: 2.8 ft R: 1.9 ft
	3					
		No Recovery	N/A		N/A	
	4					
		DK yellow-brn silty sand (As Above)	424 ppm		N/A	Run #2
	5					4 - 8 ft D: 4 ft R: 2.8 ft
		grades to:		N/A	4822	
	6	Pale yell-brn to Lt. gray silty sand: dry, F-grnd, gen. massive, rel. packed.	227 ppm		N/A	
	7					
		No Recovery	N/A		N/A	
	8					
		As Above			4828	Run #3
	9	Lt. gray to white sand: dry to wet, F-grnd, sugary, massive/uniform, loose.	2674 ppm		AK2719	8 - 12 ft D: 4 ft R: 3.0 ft Product color
	10					

HTRW DRILLING LOG

HOLE NUMBER D-DB-27 68

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

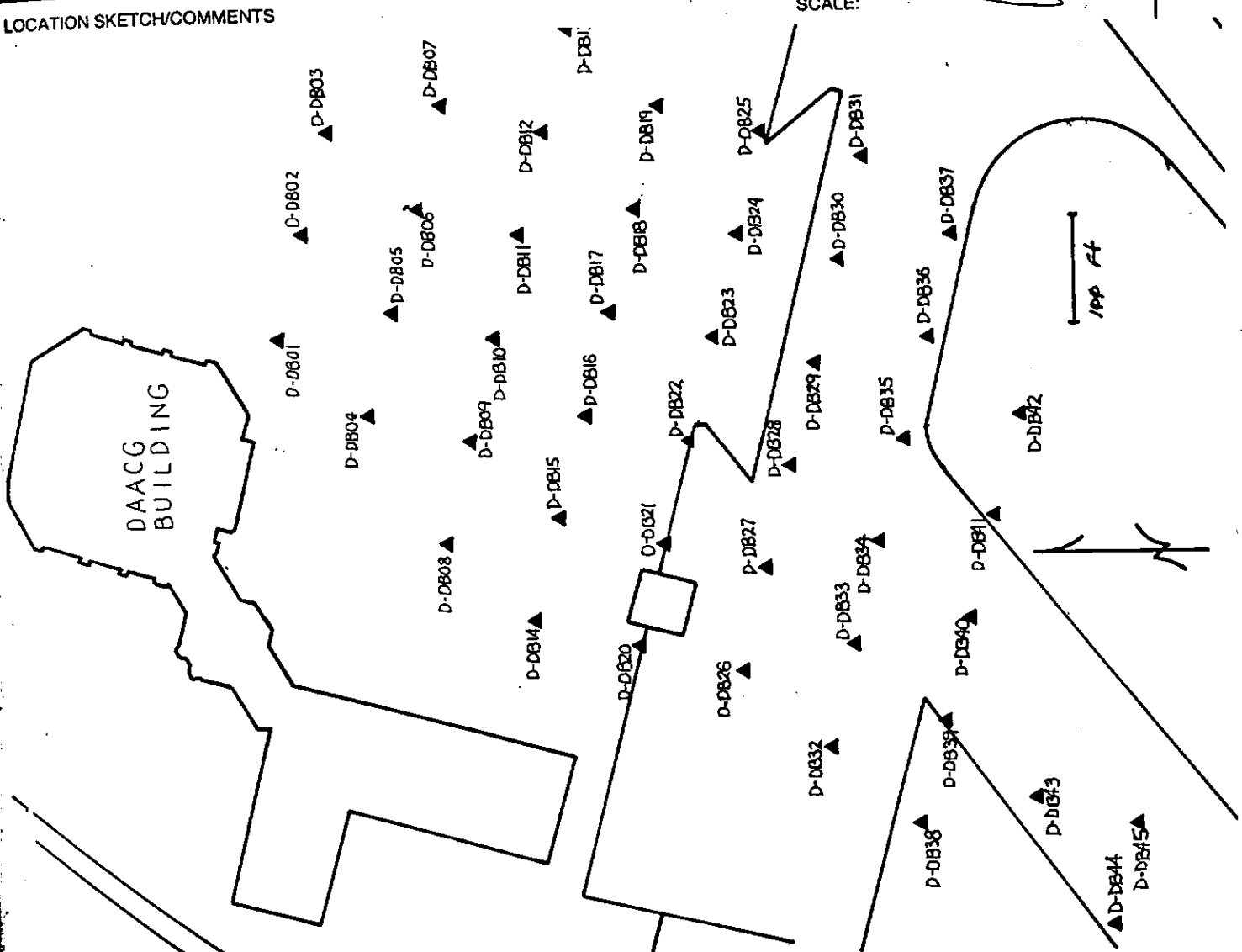
SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Lt. gray to white sand (As Above)	2670 ppm		AK2719	
	11	No Recovery	N/A	AK 2718 (Regular) AK 2714 (Duplicate)	N/A	Water at 10.3 Rt BGS.
	12	No soil sampling ↓	N/A		N/A	
	13					
	14	End of Boring				TD = 14 Rt.
	15					
	16					
	17					
	18					
	19					
	20					

well atmosphere, soil core, breathing zone, venting compressed air, etc.)

(Signature and Date)

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-ZB	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT-n/a; 2-in. diam. Macro-core barrel with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
12. OVERBURDEN THICKNESS: N/A		9. SURFACE ELEVATION:			
13. DEPTH DRILLED INTO ROCK: N/A		10. DATE STARTED: 1/26/08		11. DATE COMPLETED: 1/26/08	
14. TOTAL DEPTH OF HOLE: 14.0 FT		15. DEPTH GROUNDWATER ENCOUNTERED: 14.2 FT BG			
16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. GEOTECHNICAL SAMPLES: N/A		19. TOTAL NUMBER OF CORE BOXES: N/A			
20. SAMPLES FOR CHEMICAL ANALYSIS:		VOC: BTEX		METALS: Lead	
21. TOTAL CORE RECOVERY %:		OTHER (SPECIFY): PAH		OTHER (SPECIFY):	
22. DISPOSITION OF HOLE:		BACKFILLED: X		MONITORING WELL: —	
23. SIGNATURE OF INSPECTOR:		24. SIGNATURE OF DRILLER:			



HTRW DRILLING LOG

HOLE NUMBER DB-28 4

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

SHEET 2 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS ... (G)
		Asphalt	N/A	N/A	N/A	
	1	Concrete				
	2	Black silty sand. Dk yellow-red sand; incist, F-grnd, mass.	1440 ppm	N/A	N/A	Run #1 1.4-4 ft D: 2.6 ft R: 1.9 ft
		Grey-black silty sand; silt & pepper.				
	3	Lt. yellow-brn silty sand: dry, F-grnd, massive to hard (faint).				
	4	No Recovery	N/A		N/A	
	5	Lt. yell-brn silty sand (As Above) Mod. brown silty sand: dry, F-grnd, massive/uniform, rel. loose.	120 ppm	N/A	N/A	Run #2 4-8 ft D: 4 ft R: 3.3 ft
	6	Dk red-brn sandy silt: dry, v. F-grnd, massive, rel. packed.	476 ppm		4934	
	7				N/A	
	8	No Recovery	N/A		N/A	
	9	Red-yellow silty sand: dry to wet, massive, F-grnd, rel. loose.	3380 ppm		4944	Run #3 8-12 ft D: 4 ft R: 3.3 ft
	10				AK2019	Product odor

HTRW DRILLING LOG

HOLE NUMBER D-DB-28 5

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Carney

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)
		Red-yellow silty sand (As Above)	9384 ppm		1944	water at 14.2 ft BGS.
	11	DK red-brown sandy silt; wet, packed.	N/A		N/A	
	12	No Recovery		AK 2010		
	13	No soil sampling ↓	N/A		N/A	
	14	End of Boring				TD = 14 ft.
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-29

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAACG

5. NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

Geoprobe 5400 track-mounted PPT rig;

8. HOLE LOCATION:

2-in. diam. Macro-core barrel with acetate liners; 1-in. diam. screened water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/26/08 11. DATE COMPLETED: 1/26/08

12. OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 10.0 ft. BGS

13. DEPTH DRILLED INTO ROCK

N/A

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

N/A

14. TOTAL DEPTH OF HOLE

14.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

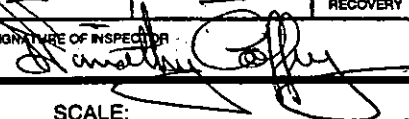
22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR



LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-29 11

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Asphalt	N/A	N/A	N/A	
		Concrete				
		DK gray-black silty sand				Run #1
		DK yellow-brn silty sand: dry to moist, F-grnd, massive.	48.7 ppm		N/A	1.3-4 ft
		Gray-black silty sand: dry, salt + pepper				D: 2.7 ft
		Lt. gray sand: dry, F-grnd, loose.				R: 1.9 ft
		Black sandy silt: packed.				
		No Recovery	N/A		N/A	
		DK brn sandy silt				Run #2
		Lt. gray to pale yellow-brn sand: dry, loose, F-grnd.	55.3 ppm		N/A	4-8 ft
						D: 4 ft
						R: 3.4 ft
		DK yellow-brn silty sand: wet, rel. packed			1426	Perched water: 5.6-6.4 ft
		DK gray-black sandy silt: dry to moist, abund. organics.	2744 ppm		N/A	
		DK red-brn sandy silt.				
		No Recovery	N/A		N/A	
		Dark red brn sandy silt: dry to wet, v. F-grnd, massive/ uniform, rel. packed	3144 ppm		1434	Run #3
					AK2919	8-12 ft
						D: 4 ft
						R: 3.4 ft
						water at 14 ft

HTRW DRILLING LOG

HOLE NUMBER DB-29 12

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	Dk red-brn sandy silt (As Above)				
11	Dk red-yellow silty sand: wet, F-grained, massive.	N/A		N/A	
12	No Recovery				
13	No soil sampling ↓	N/A	AK2910	N/A	
14	End of Boring				TD = 14 ft.
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-30

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

1. PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAACG

3. NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

5. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

Geoprobe 5400 Rock-mounted DPT rig;

8. HOLE LOCATION:

2-in. diam. Macro-cone barrel with Acetate liners; 1-in. diam. screened water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/26/08

11. DATE COMPLETED: 1/26/08

12. OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 9.4 ft BGS

13. DEPTH DRILLED INTO ROCK

N/A

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

N/A

14. TOTAL DEPTH OF HOLE

13.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18. GEOTECHNICAL SAMPLES

DESTROYED

UNSUBMITTED

19. TOTAL NUMBER OF CORE BOXES

N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER DB-36 18

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	Asphalt	N/A	N/A	N/A	
	Concrete				
	Gravel frags.				Run #1
	Gray-black silty sand; salt + pepper				1.3 - 4 ft
	Lt. gray sand; dry F-grnd, massive.	1254 ppm		N/A	D: 2.7 ft
	Black to dk brn - gray silty sand; dry F-grnd, sl. color vars.				R: 1.9 ft
	No Recovery	N/A		N/A	
	Lt. gray to white sand; dry, F-grnd, mass/uniform, loose.	619 ppm		N/A	Run #2
	Choc. brown silty sand; dry to moist, F-grnd, mottled (stained)				4 - 8 ft
	DK gray-brn to black sandy silt; dry to moist, v. F-grnd, massive, rel. packed.	3344 ppm		N/A	D: 4 ft
	No Recovery	N/A		N/A	R: 3.1 ft
	DK red-brn sandy silt (As Above)	3834 ppm		1134 N/A	
	Dark red-yellow silty sand; wet, F-grnd, gen. massive but mottled in places	N/A		1144 AK3019	Run #3
				N/A	8 - 12 ft
					D: 4 ft
					R: 3.2
					water at 9.4 ft BGS.

HTRW DRILLING LOG

HOLE NUMBER DB-3019

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	DR red-yellow silty sand (As Above)	N/A	AK3010	N/A	
12	No Recovery				
13	No soil sampling	N/A		N/A	
13	End of Boring				TD = 13 ft.
14					
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER DDB-31	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
METS AND TYPES OF DRILLING OR SAMPLING EQUIPMENT Geoprobe 5400 truck- mounted DPT rig; 3-in. diam. Macro-core borer with Acetate liners. 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
		10. DATE STARTED: 1/26/08		11. DATE COMPLETED: 1/26/08	
12. OVERBURDEN THICKNESS N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 8.8 Ft BGS			
13. DEPTH DRILLED INTO ROCK N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
14. TOTAL DEPTH OF HOLE 13.0 Ft		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
18. GEOTECHNICAL SAMPLES		DISTURBED N/A		UNDISTURBED N/A	
19. TOTAL NUMBER OF CORE BOXES N/A		20. SAMPLES FOR CHEMICAL ANALYSIS		21. TOTAL CORE RECOVERY %	
		VOC BTEX		METALS Lead	
		OTHER (SPECIFY) PAH		OTHER (SPECIFY)	
22. DISPOSITION OF HOLE		BACKFILLED X		MONITORING WELL -	
		OTHER (SPECIFY) -		23. SIGNATURE OF INSPECTOR <i>[Signature]</i>	

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for
location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-31 25

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Asphalt	N/A	N/A	N/A	
2	Concrete				
3	DK gray-brn silty sand.				Run #1
4	DK gray silty sand: silt & pebbles				1.3-4 ft
5	DK red-yellow sandy silt: dry, rel. packed	φ: 3 ppm		N/A	D: 2.7 ft
6	Yellow-brown silty sand: dry, F-grnd, rel. loose.				R: 2.4 ft
7	No Recovery	N/A		N/A	
8	Yell-brn silty sand (As Above)	φ: φ ppm	N/A	N/A	Run #2
9	DK yellow-brn silty sand: moist, 'dirty'				4-8 ft
10	Black clay silt: moist, v. F-grnd, non-plastic			13φ3	D: 4 ft
11	DK red-brn sandy silt: dry, F-grnd, rel. packed, massive with some color variations.	φ: φ ppm		N/A	R: 3.2 ft
12	No Recovery	N/A		N/A	Parched water: 5.5-6.4 ft
13	DK red-brn sandy silt (As Above).	φ: φ ppm		131φ AK 3119	Run #3
14	See below	N/A	AK 3118	N/A	8-12 ft
15					D: 4 ft
16					R: 3.5 ft
17					water at 8.8 ft BGS.

HTRW DRILLING LOG

HOLE NUMBER D-13-3126

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Colley

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	Red-yellow sand: wet, massive/ uniform, F-grnd.	N/A	AP 3110	N/A	
12	No Recovery				
13	No soil sampling	N/A		N/A	
13	End of Boring				TB = 13 Ft.
14					
15					
16					
17					
18					
19					
20					

well annular space, soil core, creating seal, utility connections, etc.)

(Signature and Date)

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-32	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
REQUEST: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
TYPES AND TYPES OF DRILLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig; 2-in. diam. Macro-core barrel; with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
10. DATE STARTED: 1/27/08		11. DATE COMPLETED: 1/27/08			
OVERBURDEN THICKNESS: N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 14.2 Rt BAS			
DEPTH DRILLED INTO ROCK: N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
TOTAL DEPTH OF HOLE: 14.0 Rt		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
GEOTECHNICAL SAMPLES: N/A		UNDISTURBED: N/A		19. TOTAL NUMBER OF CORE BOXES: N/A	
SAMPLES FOR CHEMICAL ANALYSIS:		VOC: BTEX	METALS: Lead	OTHER (SPECIFY): PAH	21. TOTAL CORE RECOVERY %
DISPOSITION OF HOLE:		BACKFILLED: X	MONITORING WELL: -	OTHER (SPECIFY): -	23. SIGNATURE OF INSPECTOR: [Signature]
LOCATION SKETCH/COMMENTS		SCALE:			

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-D3-3246

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Asphalt	N/A	N/A	N/A	
		Concrete				
		DK gray-black silty sand.				Run #1
		Pale yellow-brown silty sand: dry to moist, F-grnd, rel. loose, massive/uniform	188 ppm		N/A	1.2-4 ft D: 2.8 ft R: 2.4 ft
		No Recovery	N/A		N/A	
		Pale yellow-brown silty sand (As Above) to:	107 ppm		N/A	Run #2
		white to lt. gray sand: dry, F-grnd, massive/uniform, loose,		N/A	0815	4-8 ft D: 4 ft R: 3.4 ft
		Gray-brown clay silty sand: dry to moist, F-grnd, massive,	1924 ppm		N/A	
		No Recovery	N/A		N/A	
		Gray-brown sandy clay: moist, med. plastic, sh. brittle, rel. stiff	3394 ppm		0824	Run #3
		See Below.			AX 3219	8-12 ft D: 4 ft R: 3.7 ft

HTRW DRILLING LOG

HOLE NUMBER D-B3-32 47

PROJECT: Fort Stewart/Hunter

INSPECTOR

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GESTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		White to Pale yell- brown sand: wet, F-grnd, massive/ uniform, sugary.	9349 ppm		6524	water at 102 ft BGS.
	11		N/A		N/A	
	12	No Recovery				
	13	No soil sampling ↓	N/A	AK3218 (Reg.) AK3214 (Dupl.)	N/A	
	14	End of Boring				TD = 14 ft
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-33

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 of 3

PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAACG

NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

SIZES AND TYPES OF DRILLING
AND SAMPLING EQUIPMENT

Geoprobe 5400 Truck-mounted DPT rig.

8. HOLE LOCATION:

2-in. diam. Macro-core barrel with Acetate liners, 1-in. diam. screened water sampler

9. SURFACE ELEVATION:

10. DATE STARTED: 1/27/08 11. DATE COMPLETED: 1/27/08

OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 14.2 FT BGS

DEPTH DRILLED INTO ROCK

N/A

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

TOTAL DEPTH OF HOLE

14.0 FT

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

GEOTECHNICAL SAMPLES

Disturbed

Undisturbed

19. TOTAL NUMBER OF CORE BOXES

N/A

SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Asphalt	N/A	N/A	N/A	
		Concrete				
		Black silt: wet				Run #1
		DK yell-brown sand: moist, F-grnd.				1.2 - 4 ft
		Gray-bk silty sand: salt + pepper	584 ppm		N/A	D: 2.8 ft
		Yellow-brown silty sand: dry, F-grnd, massive/uniform.				R: 1.8 ft
		No Recovery	N/A		N/A	
		As Above				Run #2
		Lt. brown silty sand: dry, F-grnd, some FeC staining near top.	212 ppm		N/A	4-8 ft
		Lt. red sand: dry, mottled, F-grnd, rel. loose.	2554 ppm	N/A	4917	D: 4 ft
		Red-black sandy silt: dry, v. F-grnd, pebbled.			453319	R: 2.8 ft
		No Recovery	N/A		N/A	
		Gray-brown sandy clay: dry, brittle, crumbly, non-plast.	2414 ppm		4938	Run #3
		DK yell-brown silty sand: dry, v. F-grnd, rel. loose, mottled, FeC stain.			N/A	8-12 ft
						D: 4 ft
						R: 3.4 ft
						Product color

HTRW DRILLING LOG

HOLE NUMBER DB-3354

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	As Above	2414 ppm		N/A	water at 10.2 ft BGS
11	lt. brown green sand, wet, F- to medium, thin blk bedding planes, sandy.	N/A	AK3318	N/A	
12	No Recovery				
13	No soil Be sampling ↓	N/A		N/A	
14	End of Boring				TD = 14 ft.
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-34	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT Geoprobe 5400 4-rock-mounted DPT rig; 2-in. diam. Macro-cone sampler with Acetate liners; 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
		10. DATE STARTED: 1/27/00		11. DATE COMPLETED: 1/27/00	
2. OVERBURDEN THICKNESS N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 10.5 FT BGS			
3. DEPTH DRILLED INTO ROCK N/A		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
4. TOTAL DEPTH OF HOLE 14.0 FT		17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			
5. GEOTECHNICAL SAMPLES		DISTURBED N/A		UNDISTURBED N/A	
6. SAMPLES FOR CHEMICAL ANALYSIS		VOC BTEX		OTHER (SPECIFY) PAH	
7. DISPOSITION OF HOLE		BACKFILLED X		MONITORING WELL —	
		OTHER (SPECIFY) —		21. TOTAL CORE RECOVERY %	
		23. SIGNATURE OF INSPECTOR <i>[Signature]</i>			

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER DB-34

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

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)
		Asphalt	N/A	N/A	N/A	
1		Concrete				
		Black silty sand; moist, F-grnd.				Run #1 1.3-4 ft
2		Red-yellow silty sand; dry, F-grnd, massive/uniform.	581 ppm		N/A	D: 2.7 ft R: 2.0 ft
3		Gray-black silty sand; dry, F-grnd, salt + pepper				
		Brown silty sand				
		No Recovery	N/A		N/A	
4		Brown silty sand; dry, massive, F-grnd.				Run #2 4-8 ft
5		Light gray to white sand; dry, F-grnd, rel. loose, massive/ uniform.	494 ppm		N/A	D: 4 ft R: 3.1 ft
6		DK red-brown sandy silt; dry, v. F-grnd, some clay, sl. plast.	334 ppm		1432	
7					HY 3419	Soil has an odor, but is hard to describe.
		No Recovery	N/A		N/A	
8		DK red-brown sandy silt (As Above)			1436	Run #3 8-12 ft
9		Gray-brown sandy clay; dry to moist to wet, crumbly, non- to sl. plast.	1734 ppm		N/A	D: 4 ft R: 3.4 ft
10						

HTRW DRILLING LOG

HOLE NUMBER D-B-34 61

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy C. Ray

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)
		Gray-brown sandy clay (As Above)	173CF ppm		1436 N/A	Water at 14.5 ft BGS.
11		Lt. gray sand; wet, F. to at-grnd.	N/A		N/A	
12		No Recovery				
13		No soil sampling ↓	N/A	AR3418	N/A	
14		End of Boring				TD = 14 ft.
15						
16						
17						
18						
19						
20						

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-35	
1. COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
3. PROJECT: Fort Stewart/Hunter			4. LOCATION: HAAF/DAACG		
5. NAME OF DRILLER: Chrs Homer			6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT Geoprobe 5400 truck-mounted DPT rig; 2-in. diam. macro-core barrel with Acetate liners, 1-in. diam. screened water sampler.			8. HOLE LOCATION:		
9. SURFACE ELEVATION:			10. DATE STARTED: 1/27/08		
11. DATE COMPLETED: 1/27/08			12. OVERBURDEN THICKNESS: N/A		
13. DEPTH DRILLED INTO ROCK: N/A			15. DEPTH GROUNDWATER ENCOUNTERED: 9.5 ft BGS		
14. TOTAL DEPTH OF HOLE: 13.0 ft			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A		
17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A			19. TOTAL NUMBER OF CORE BOXES: N/A		
18. GEOTECHNICAL SAMPLES		DISTURBED		UNDISTURBED	
20. SAMPLES FOR CHEMICAL ANALYSIS		VOC		METALS	
		BTEX		Lead	
		PAH		PAH	
22. DISPOSITION OF HOLE		BACKFILLED		MONITORING WELL	
		X		—	
23. SIGNATURE OF INSPECTOR		21. TOTAL CORE RECOVERY %			
[Signature]					

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER DB-3567
SHEET 2 OF 3

PROJECT: Fort Stewart/Hunter

INSPECTOR Timothy Colley

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Asphalt	N/A	N/A	N/A	
	1	Concrete				
	2	dk gray-brown silty sand: moist, F-grnd; mottled.	2320 ppm	↑	N/A	Run #1 13-4 ft D: 2.7 ft R: 2.4 ft
	3	Yellow-brown silty sand: dry to moist, gen. massive, F-grnd.				
	4	Gray-Bk silty sand: soft + pepper.				
	5	No Recovery	N/A		N/A	
	6	lt gray sand: dry, F-grnd, loose.		↓		Run #2 4-8 ft D: 4 ft R: 3.0 ft
	7	Black to dark brn to dk yell-brn silty sand: dry to moist, F-grnd, mottled, turbated, "dirty"; mnr clay near bottom.	926 ppm		N/A	
	8	Black sandy silt: dry, v. F-grnd.	2320 ppm		1254 AK3519	Sewage-like odor.
	9	No Recovery	N/A		N/A	
	10	Black sandy silt (As Above)	1180 ppm	↓	1301 N/A	Run #3 8-12 ft D: 4 ft R: 3.2 ft
	11		N/A		N/A	water at 9.5 ft BGS

HTRW DRILLING LOG

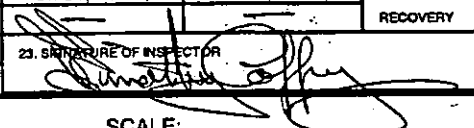
HOLE NUMBER D-DB-3568

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	Dark red-yellow silty sand! wet, F-grnd, massive/ uniform.	N/A	AR 3510	N/A	
	12	No Recovery				
	13	No soil sampling	N/A		N/A	
	13	End of Boring				TD = 13 ft.
	14					
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-36	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 OF 3	
PROJECT: Fort Stewart/Hunter			4. LOCATION: HAAF/DAACG		
NAME OF DRILLER: Chris Homer			6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400		
SIZES AND TYPES OF DRILLING EQUIPMENT Geoprobe 5400 Truck-mounted DPT rig; 2-in. diam. Macro-cone barrel with Acetate liners; 1-in. diam. screened water sampler.			8. HOLE LOCATION:		
			9. SURFACE ELEVATION:		
10. DATE STARTED: 1/26/08			11. DATE COMPLETED: 1/26/08		
12. OVERBURDEN THICKNESS: N/A			15. DEPTH GROUNDWATER ENCOUNTERED: 9.1 ft BGS.		
13. DEPTH DRILLED INTO ROCK: N/A			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A		
14. TOTAL DEPTH OF HOLE: 13.0 ft			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A		
18. GEOTECHNICAL SAMPLES		DISTURBED N/A		UNDISTURBED N/A	
19. TOTAL NUMBER OF CORE BOXES: N/A		20. SAMPLES FOR CHEMICAL ANALYSIS		21. TOTAL CORE RECOVERY %	
		VOC BTEX	METALS Lead	OTHER (SPECIFY) PAH	
22. DISPOSITION OF HOLE		BACKFILLED X	MONITORING WELL -	OTHER (SPECIFY) -	23. SIGNATURE OF INSPECTOR 

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for
location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-D3-3634

PROJECT: Fort Stewart/Hunter

INSPECTOR: *John Colley*

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Asphalt	N/A	N/A	N/A	
1	Concrete				
2	DK gray - brown silty sand; moist, F-grnd, bld to mottled,	653 ppm	↑	N/A	Run #1 1.2-4 ft D: 2.8 ft R: 1.9 ft
2	Black silty sand; S+P.				
3	Lt. gray to white sand; dry, F-grnd, massive/uniform				
3	No Recovery	N/A		N/A	
4	Dark gray-brown to black sandy silt; dry, rel. loose, V. F-grnd.	624 ppm	N/A	N/A	Run #2 4-8 ft D: 4 ft R: 3.1 ft
5	Lt. brown silty sand; dry, F-grnd, massive (a few scatt'd bedding plns/ mottling).				
6	Black to red-blk sandy silt; dry, to moist, rel. pckd rare to min clay	3744 ppm		1458 AK3619	Product odor Perched water?
7	No Recovery	N/A		N/A	
8	DK red-brn sandy silt (As Above)	2974 ppm	↓	1546 N/A	Run #3 8-12 ft D: 4 ft R: 3.1 ft
9	grades to:				
10	DK red-yellow silty sand.	N/A		N/A	water at 9.1 ft

HTRW DRILLING LOG

HOLE NUMBER DB-3640

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Caffrey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	DR red-yellow silty sand, wet, F-grnd, massive/ uniform, well pcd.	N/A	AK3618	N/A	
12	No Recovery				
13	No soil sampling	N/A		N/A	
14	End of Boring				T.D. = 13 ft
15					
16					
17					
18					
19					
20					

MTW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-37									
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET <u>1</u> OF <u>3</u>									
PROJECT: Fort Stewart/Hunter			4. LOCATION: HAAF/DAACG										
NAME OF DRILLER: Chris Homer			6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400										
EQUIPMENT AND TYPES OF DRILLING SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig, 2-in. diam. Macro-cone barrel with Acetate liners, 1-in. diam. screened water sampler.			8. HOLE LOCATION:										
9. SURFACE ELEVATION:			10. DATE STARTED: 1/26/08 11. DATE COMPLETED: 1/26/08										
12. OVERBURDEN THICKNESS: N/A			15. DEPTH GROUNDWATER ENCOUNTERED: 8.0 RT BGS										
13. DEPTH DRILLED INTO ROCK: N/A			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A										
14. TOTAL DEPTH OF HOLE: 12.5 RT BGS			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A										
18. GEOTECHNICAL SAMPLES		19. TOTAL NUMBER OF CORE BOXES: N/A											
20. SAMPLES FOR CHEMICAL ANALYSIS		21. TOTAL CORE RECOVERY %											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">VOC</td> <td style="width:25%;">METALS</td> <td style="width:25%;">OTHER (SPECIFY)</td> <td style="width:25%;">OTHER (SPECIFY)</td> </tr> <tr> <td>BTEX</td> <td>Lead</td> <td>PAH</td> <td></td> </tr> </table>		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)	BTEX	Lead	PAH					
VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)										
BTEX	Lead	PAH											
22. DISPOSITION OF HOLE		23. SIGNATURE OF INSPECTOR											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">BACKFILLED</td> <td style="width:50%;">MONITORING WELL</td> </tr> <tr> <td>X</td> <td></td> </tr> </table>		BACKFILLED	MONITORING WELL	X									
BACKFILLED	MONITORING WELL												
X													

LOCATION SKETCH/COMMENTS
SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER DB-373A

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	Asphalt	N/A	N/A	N/A	
2	Concrete				Run # 1 1.4 - 4 ft D: 2.6 ft R: 2.1 ft
3	DK gray-black silty sand: dry, rel. packed.	φ φ ppm	↑	N/A	
4	Lt. gray to white sand: dry, loose.				
5	Red-black sandy silt.				
6	DK yellow-brown silty sand: dry, F-grnd, massive, rel. packed.				
7	No Recovery	N/A		N/A	
8	Pale yell-brn silty sand (As Above)	φ φ ppm	N/A	N/A	Run # 2 4-8 ft D: 4 ft R: 3.4 ft
9	Choc. brown silty sand: moist, F- grnd. Becomes darker w/ depth				
10	Red-black to black sandy silt: dry to moist, v. F-grnd, rel. packed, wood fragments.	φ φ ppm	↓	1357 AK 3719 (Reg) AK 3713 (Dupl)	
11	No Recovery	N/A		N/A	Water at 8.0 ft 1365,
12	Red-black sandy silt (As Above)				Run # 3 8-12 ft D: 4 ft R: 3.6 ft
13	grades to:	N/A	AK 3718	N/A	
14	DK red-brn silty sand: wet, F-grnd, massive/uniform.				

HTRW DRILLING LOG

HOLE NUMBER DB-3733

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	DK red-brn silty sand (As Above)	N/A	AR3710	N/A	
12	No Recovery				
	No soil sampling	N/A		N/A	
13	End of Boring				TD = 12.5 ft
14					
15					
16					
17					
18					
19					
20					

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ATRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-38	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
PROJECT: Fort Stewart/Hunter			4. LOCATION: HAAF/DAACG		
NAME OF DRILLER: Bobby Lewis			6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400		
EQUIPMENT AND TYPES OF DRILLING SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT n/a; 2-in. diam. Macro-cone barretts with Acetate liners; 1-in. diam. screened water sampler.			8. HOLE LOCATION:		
			9. SURFACE ELEVATION:		
10. DATE STARTED: 1/16/08			11. DATE COMPLETED: 1/16/08		
OVERBURDEN THICKNESS: N/A			15. DEPTH GROUNDWATER ENCOUNTERED: 9.0 ft BGS		
DEPTH DRILLED INTO ROCK: N/A			16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A		
TOTAL DEPTH OF HOLE: 13.0 ft			17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY): N/A		
1. GEOTECHNICAL SAMPLES: N/A		18. TOTAL NUMBER OF CORE BOXES: N/A			
2. SAMPLES FOR CHEMICAL ANALYSIS:		VOC: BTEX		METALS: Lead	
		OTHER (SPECIFY): PAH		OTHER (SPECIFY):	
3. DISPOSITION OF HOLE:		BACKFILLED: X		MONITORING WELL: -	
		OTHER (SPECIFY):		OTHER (SPECIFY):	
		23. SIGNATURE OF INSPECTOR: [Signature]		21. TOTAL CORE RECOVERY %:	

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch

HTRW DRILLING LOG

HOLE NUMBER D-DB-30

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A	N/A	N/A	
1		Dk gray-brown silty sand; dry, mottled, F-grnd.				Run #1 0.6-4 ft
2		P. yellow-brown to lt. brown sand; Dry, F-grnd, massive.	13.4 ppm		N/A	D: 3.4 ft R: 2.7 ft
3						
4		No Recovery	N/A		N/A	
5		lt. brown sand (As Above)			1234	Run #2 4-8 ft
6		lt. brown sand Yellow-red sandy clay; moist, sl. plast.	21.1 ppm	N/A	N/A	D: 4 ft R: 2.6 ft
7		lt. green-gray clay sand; dry, non-plastic, rel. loose.				
8		No Recovery	N/A		N/A	
9		lt. gray to white sand; dry to wet, F to m-grnd, massive, sugary.	122 ppm		1237 AK3819	Run #3 8-12 ft
10			N/A	AK3818	N/A	D: 4 ft R: 2.8 ft water at 9 ft

HTRW DRILLING LOG

HOLE NUMBER D-DB-38 5

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	White to lt gray sand (As Above)				
11	No Recovery	N/A	AK 3818	N/A	
12	No soil drilling ↓ sampling	N/A		N/A	
13	End of Boring				TD = 13 ft
14					
15					
16					
17					
18					
19					
20					

well atmosphere, soil core, urethane, etc.)

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HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-39

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 of 3

1. PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAACG

3. NAME OF DRILLER: Bobby Lewis

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

Geoprobe 5400 truck-mounted DPT rig;

2-in. diam. Macro-core barrel with Acetate liners; 1-in. diam. screened water sampler.

8. HOLE LOCATION:

9. SURFACE ELEVATION:

10. DATE STARTED: 1/16/08

11. DATE COMPLETED: 1/16/08

12. OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 9.5 ft BGS

13. DEPTH DRILLED INTO ROCK

N/A

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

N/A

14. TOTAL DEPTH OF HOLE

13.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18. GEOTECHNICAL SAMPLES

ASTM D1557

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

SCALE

LOCATION SKETCH/COMMENTS

See page 3, this logbook, for location sketch.

(Signature and Date)

HTRW DRILLING LOG

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

HOLE NUMBER DB-39

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Concrete	N/A	N/A	N/A	
1		Brown sand: dry to moist, massive w/ rare black speckles, F-grnd.	679 ppm		N/A	Run # 2 Ø 6 - 4 ft D: 3.4 ft R: 2.6 ft
2		Black silty sand.				
3		Brown-gray sand: dry, F-grnd, massive/uniform.				
4		No Recovery	N/A		N/A	
5		Brown-gray sand (As Above)	708 ppm	N/A	1324 N/A	Run # 2 4 - 8 ft D: 4 ft R: 3.0 ft
6		Black to dk gray-brn silty sand: moist, "dirty", bdd (faint).			1322 N/A	
7		Med. dk gray clay: hard				
8		No Recovery	N/A		N/A	
9		Med dk gray clay	3040 ppm		1327 AK3919	strong prod. odor. Run # 3 8 - 12 ft D: 4 ft R: 2.9 ft
		Brown-gray silty sand: dry, F-grnd, massive.				
10		White to light gray sand: wet, F- to m-grnd.	N/A	AK3918	N/A	water at 9.5 ft BGS

HTRW DRILLING LOG

HOLE NUMBER DB-39 61

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		White to lt. gray Sand (As Above)				Strong product odor.
11		No Recovery	N/A	AK3910	N/A	
12		No soil drilling ↓ Sampling	N/A		N/A	
13		End of Boring				TD = 13 ft
14						
15						
16						
17						
18						
19						
20						

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER

D-DB-40

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 of 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAAAG

5. NAME OF DRILLER: Bobby Lewis/Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT: Geoprobe 5400 Truck-mounted DPT rig.

8. HOLE LOCATION:

2-in. diam. Macro-cone barrel with Acetate liners; 1-in. diam. screened water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/16/08 11. DATE COMPLETED: 1/23/08

12. OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 9.1 ft BGS

13. DEPTH DRILLED INTO ROCK

N/A

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

N/A

14. TOTAL DEPTH OF HOLE

13.0 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18. GEOTECHNICAL SAMPLES

UNDISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAT

22. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-497

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
		Asphalt coarse gravel base.	N/A	N/A	N/A	
	1	Black silty gravel sand: dry, rel. packed		↑		Run #1 φ: 5-4 ft
	2	Yellow-red silty sand: moist, F- grnd, gen. mass w/ subtle color variations, rel. packed.	207 ppm		N/A	D: 3.5 ft R: 2.8 ft urea odor
	3	Black silty sand.	569 ppm		N/A	
	4	No Recovery	N/A		N/A	
	5	Black silty sand: dry, F-grnd, rel. packed.		↓	1559	Run #2 4-8 ft
	6	grades to Lt. brown sand: dry, F-grnd, rel. packed.	642 ppm		N/A	D: 4 ft R: 3.2 ft
	7	grades to: Dark brown to dk gray-brn silty sand: Dry, F-grnd, rel. packed, "dirty".	746 ppm		1600	
	8	No Recovery	N/A		N/A	
	9	Black sandy silt: Dry, v. F-grnd, packed, mass/uni- form.	2044 ppm	↓	1603 AK4019	Run #3 8-12 ft
	10	Brown silty sand. Lt. green-gray clay see below	N/A		N/A	D: 4 ft R: 3.5 ft water at 9.1 ft BGS.

HTRW DRILLING LOG

HOLE NUMBER D-DB-46 68

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

ELEV. (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	11	lt. green-gray clay, moist, stiff, sl. plastic.	N/A	AK 4010	N/A	
		grades to lt. gray-brn sandy clay.				
	12	No Recovery				
	13	No soil sampling	N/A		N/A	
	14	End of Boring				TD = 13 ft.
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-41

1. COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAACG

5. NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. SIZES AND TYPES OF DRILLING
AND SAMPLING EQUIPMENTGeoprobe 5400 Truck-
mounted DPT rig;
2-in. diam. Macro-core barrel
with Acetate liners, 1-in. diam.
screened water sampler.

8. HOLE LOCATION:

9. SURFACE ELEVATION:

10. DATE STARTED: 1/27/08

11. DATE COMPLETED: 1/27/08

12. OVERBURDEN THICKNESS

N/A

13. DEPTH DRILLED INTO ROCK

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 8.0 FT BGS

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

N/A

14. TOTAL DEPTH OF HOLE

12.5 FT

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18. GEOTECHNICAL SAMPLES

N/A

N/A

19. TOTAL NUMBER OF CORE BOXES

N/A

20. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE
RECOVERY %

BTEX

Lead

PAH

22. DISPOSITION OF HOLE

BACKFILLED

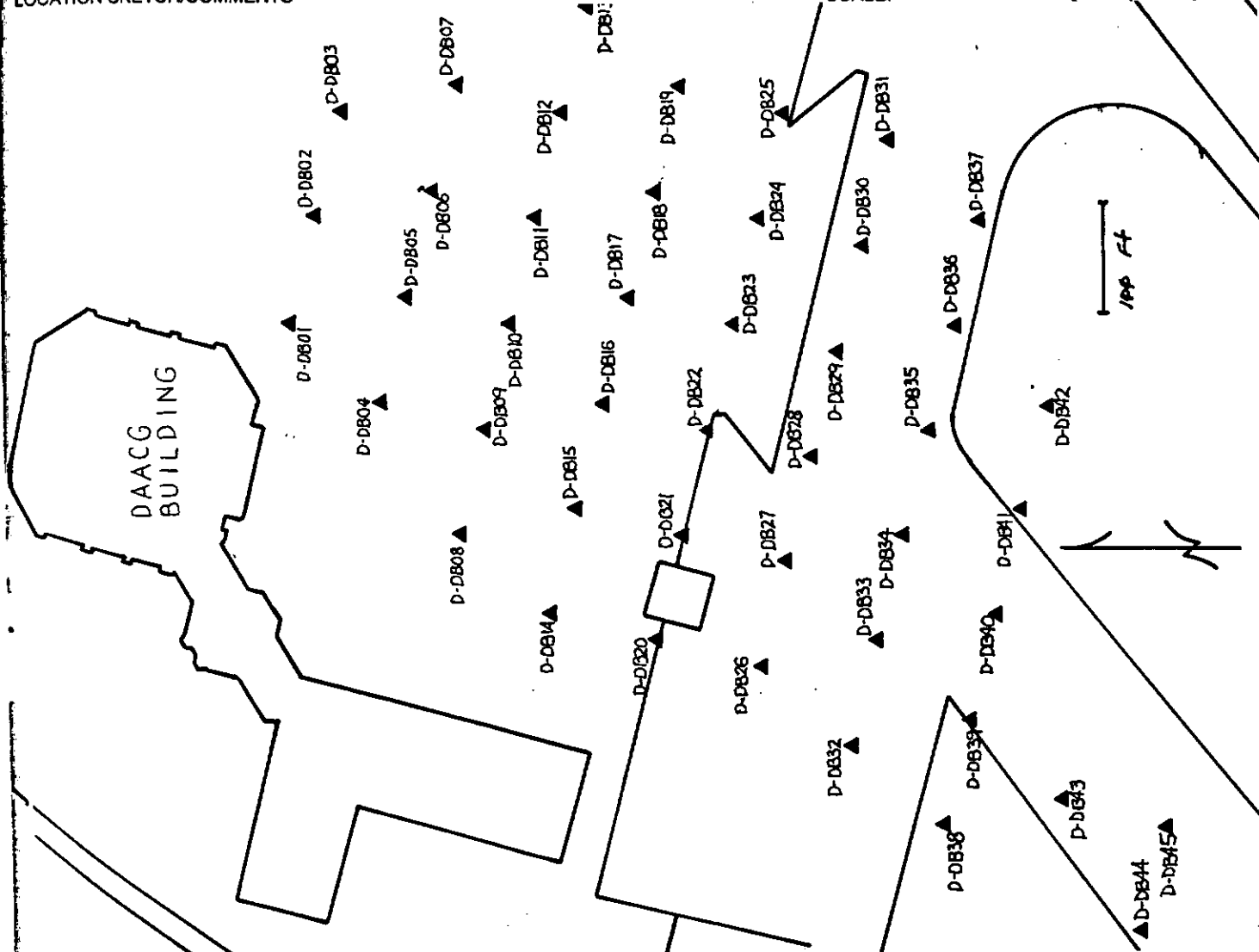
MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

SCALE:



A-123

QA CHECK BY:

(Signature and Date)

well atmosphere, soil core, etc.)

HTRW DRILLING LOG

HOLE NUMBER D-DB-41

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

ELEV (A)	DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	1	DK gray-black silty sand; moist, F-grnd, massive; organics.	3.2 ppm	↑	N/A	Run #1 φ-4 ft D: 4 ft R: 2.9 ft
	2	Yellow-brown silty sand; dry to moist, F-grnd, rel. loose, massive/uniform	2.9 ppm		N/A	
	3	Gray-brn sand: wet.				
	4	No Recovery	N/A	N/A	N/A	
	5	Black to gray-blk, sandy silt; moist, V-F-grnd, poss. min to med clay, non-plastic, bld (varved), "dirty"	2.3 ppm	↓	1346 AX4119	Run #2 4-8 ft D: 4 ft R: 2.2 ft
	6					
	7	No Recovery	N/A		N/A	water at 8.4 ft BGS.
	8	Dark brown sandy silt; wet, V-F-grnd, massive/uniform.	N/A	↓		Run #3 8-12 ft D: 4 ft R: 3.3 ft
	9				AX4118 N/A	
10						

HTRW DRILLING LOG

HOLE NUMBER D-DB-# 5

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

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	DR brown sandy silt (As Above)	N/A	AK4110	N/A	
		DR red-yellow sand; wet, F- to m-grnd.				
	12	No Recovery	N/A		N/A	
		No Soil Sampling	N/A		N/A	
	13	End of Boring				TD = 12.5 ft
	14					
	15					
	16					
	17					
	18					
	19					
	20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER

D-DB-42

1 COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

3 PROJECT: Fort Stewart/Hunter

4. LOCATION:

HAAF/DAACG

5 NAME OF DRILLER:

Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7 SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT

Geoprobe 5400 Pack-mounted DPT rig

8. HOLE LOCATION:

2-in. diam. Macro-cone barrel with Acetate liners, 1-in. diam. screened water sampler.

9. SURFACE ELEVATION:

10. DATE STARTED: 1/27/08 11. DATE COMPLETED: 1/27/08

12 OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 6.4 Rt BGS

13 DEPTH DRILLED INTO ROCK

N/A

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

N/A

14 TOTAL DEPTH OF HOLE

11.5 Rt

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

18 GEOTECHNICAL SAMPLES

Disturbed

Undisturbed

19. TOTAL NUMBER OF CORE BOXES

N/A

20 SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE RECOVERY %

BTEX

Lead

PAH

22 DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

[Signature]

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for location sketch.

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
1	DK gray-brown silty sand; dry to moist, massive, F-grnd; organics.	12.7 ppm	↑	N/A	Run #1 4-4 ft D: 4 ft R: 3.4 ft
2	Gray-black silty sand; dry, salt + pepper	11.9 ppm		N/A	
3	Black to dark brown silty sand; dry, F- grnd, mass w/ color var.			N/A	
4	No Recovery	N/A	↓	N/A	
5	As Above Lt. brown sand; dry to moist, mass/ uniform, F-grnd.			1437	Run #2 4-8 ft D: 4 ft R: 3.2 ft
6	Black to black- brown sandy silt; dry to moist, to wet, v. F-grnd, non-plastic, soft (mushy).	2124 ppm		AK4219	Foul odor (rotten)
7	No Recovery	N/A	↓	N/A	water at 6.4 ft BGS.
8	Dark red-brown silty sand; wet, F to m-grnd, massive, rel. pocket.	N/A		N/A	Run #3 8-11 ft D: 3 ft R: 3.7 ft
9			AK4218		
10					

HTRW DRILLING LOG

HOLE NUMBER D-DB-4217

PROJECT: Fort Stewart/Hunter

INSPECTOR: Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	DK red-brn silty sand (As Above)	N/A	AK4210	N/A	
	lt green-gray clay				
	No Recovery		N/A		
	No Soil Sampling	N/A		N/A	
12	End of Boring				TD = 11.5 ft
13					
14					
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER

D-DB-43

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 of 3

3. PROJECT: Fort Stewart/Hunter

4. LOCATION:

HAAF/DAACG

5. NAME OF DRILLER: Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

7. TYPES AND TYPES OF DRILLING
AND SAMPLING EQUIPMENTGeoprobe 5400 Truck-
mounted DPT rig;

8. HOLE LOCATION:

2-in. diam. Macro-core barrel
with Acetate liners; 1-in. diam.
screened water sampler.

9. SURFACE ELEVATION:

10. OVERBURDEN THICKNESS

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 8.0 Ft BGS

11. DEPTH DRILLED INTO ROCK

N/A

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

N/A

12. TOTAL DEPTH OF HOLE

12.5 ft

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

13. GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

N/A

14. SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE
RECOVERY %

BTEX

Lead

PAH

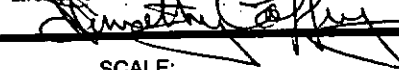
15. DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR



LOCATION SKETCH/COMMENTS

SCALE:

See Page 3, this logbook, for
location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-4318

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	Asphalt	N/A	N/A	N/A	
1	Black tar-sand				Run #1
2	Yellow-brown silty sand: dry, F-grnd, massive/uniform.	$\phi \phi$ ppm		N/A	d: 6-4 ft D: 3.4 ft R: 2.7 ft
3	Gray-black silty sand: dry, F-grnd, soft & pepper.				
4	DK gray-brown silty sand.				
5	No Recovery	N/A		N/A	
6	Brown silty sand; dry, F-grnd.		N/A		Run # 2
7	lt. gray to white sand: dry, F-grnd, rel. loose, massive/ uniform.	$\phi \phi$ ppm		N/A	4-8 ft D: 4 ft R: 3.4 ft
8	Dark brown silty sand: dry to moist F-grnd, non-plastic,	$\phi \phi$ ppm		AK4319	
9	No Recovery	N/A		N/A	water at 8 ft BGS
10	Dark brown to black sandy silt: wet, v. F-grnd, rel. loose, soft (spongy).	N/A	AK4318	N/A	Run # 3 8-12 ft D: 4 ft R: 3.4 ft

HTRW DRILLING LOG

HOLE NUMBER D-DB-499

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEO TECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	DK. brn to black sandy silt (As Above)				
11	Lt. green gray clay; moist, plastic; stiff.	N/A	AK4310	N/A	
12	No Recovery				
	No Soil Sampling	N/A		N/A	
13	End of Boring				TD = 12.5 FT
14					
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG

DISTRICT: USACE Savannah

HOLE NUMBER
D-DB-44

COMPANY NAME: SAIC

2. DRILL SUBCONTRACTOR:

SAIC

SHEET 1 OF 3

PROJECT: Fort Stewart/Hunter

4. LOCATION: HAAF/DAACG

NAME OF DRILLER:

Chris Homer

6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400

SIZES AND TYPES OF DRILLING
SAMPLING EQUIPMENTGeoprobe 5400 truck-
mounted DPT rig.

8. HOLE LOCATION:

4-in. diam. Macro-core barrel
with Acetate liners, 1-in. diam.
screened water sampler.

9. SURFACE ELEVATION:

OVERBURDEN THICKNESS

N/A

10. DATE STARTED: 1/28/08 11. DATE COMPLETED: 1/28/08

DEPTH DRILLED INTO ROCK

N/A

15. DEPTH GROUNDWATER ENCOUNTERED: 6.3 Ft BGS

TOTAL DEPTH OF HOLE

11.5 Ft BGS

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

N/A

17. OTHER WATER LEVEL MEASUREMENTS (SPECIFY):

N/A

GEOTECHNICAL SAMPLES

DISTURBED

UNDISTURBED

19. TOTAL NUMBER OF CORE BOXES

N/A

SAMPLES FOR CHEMICAL ANALYSIS

VOC

METALS

OTHER (SPECIFY)

OTHER (SPECIFY)

OTHER (SPECIFY)

21. TOTAL CORE
RECOVERY %

BTEX

Lead

PAH

DISPOSITION OF HOLE

BACKFILLED

MONITORING WELL

OTHER (SPECIFY)

23. SIGNATURE OF INSPECTOR

LOCATION SKETCH/COMMENTS

SCALE:

See page 3, this logbook, for
location sketch.

HTRW DRILLING LOG

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Colley

SHEET 2 OF 3

25

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	Concrete	N/A	N/A	N/A	
1	Predom. dk yell- brown silty sand; dry to moist, F-grnd, has numerous black silty zones,	ϕ, ϕ ppm	↑	N/A	Run #1 ϕ : 7-4 ft D: 3.3 ft R: 2.9 ft
2		ϕ, ϕ ppm		N/A	
3	Black sandy silt.				
4	No Recovery	N/A	↓	N/A	Run #2
	Black sandy silt.			4912	4-8 ft D: 4 ft R: 3.4 ft
5	Lt. brn to dark brown silty sand; dry to moist, F- grnd, rel. loose.	ϕ, ϕ ppm		AK4419	
6	DK brn-black sandy silt				Water at 6.3 ft BGS.
	Brown sandy clay.				
7	DK brn clay sand; wet, sl. to non-plastic.	N/A		N/A	
	No Recovery				
8	DK brn sandy silt; wet, v. F-grnd.		AK4410		Run #3
	DK red-brown silty sand; wet, F-grnd, rel. loose, massive.	N/A		N/A	8-11 ft D: 3 ft R: 2.5 ft
	Lt green gray clay				

1
2
3
4
5
6
7
8
9
10

HTRW DRILLING LOG

HOLE NUMBER DB-4426

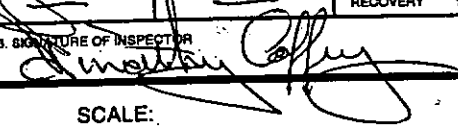
PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	clay, dry to moist, sl. to non-plastic, very stiff, sl. crumbly	N/A	AKH418	N/A	
11	No Recovery		N/A		
	No soil sampling	N/A		N/A	
12	End of Boring				TD = 11.5 ft
13					
14					
15					
16					
17					
18					
19					
20					

HTRW DRILLING LOG		DISTRICT: USACE Savannah		HOLE NUMBER D-DB-45	
COMPANY NAME: SAIC		2. DRILL SUBCONTRACTOR: SAIC		SHEET 1 of 3	
PROJECT: Fort Stewart/Hunter		4. LOCATION: HAAF/DAACG			
NAME OF DRILLER: Chris Homer		6. MANUFACTURERS DESIGNATION OF DRILL: Geoprobe 5400			
EQUIPMENT AND TYPES OF DRILLING Geoprobe 5400 Truck-mounted DPT rig. 3-in. diam. Macro-cone bit with Acetate liners. 1-in. diam. screened water sampler.		8. HOLE LOCATION:			
		9. SURFACE ELEVATION:			
OVERBURDEN THICKNESS N/A		10. DATE STARTED: 1/28/08 11. DATE COMPLETED: 1/28/08			
DEPTH DRILLED INTO ROCK N/A		15. DEPTH GROUNDWATER ENCOUNTERED: 8.8 FT BGS.			
TOTAL DEPTH OF HOLE 13.0 FT		16. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED: N/A			
1. GEOTECHNICAL SAMPLES		DISTURBED N/A		19. TOTAL NUMBER OF CORE BOXES N/A	
SAMPLES FOR CHEMICAL ANALYSIS		VOC	METALS	OTHER (SPECIFY)	OTHER (SPECIFY)
		BTEX	Lead	PAH	
POSITION OF HOLE		BACKFILLED	MONITORING WELL	OTHER (SPECIFY)	21. TOTAL CORE RECOVERY %
		X			
LOCATION SKETCH/COMMENTS		23. SIGNATURE OF INSPECTOR 			
		SCALE:			

See page 3, this logbook, for location sketch.

HTRW DRILLING LOG

HOLE NUMBER D-DB-4537

PROJECT: Fort Stewart/Hunter

INSPECTOR

Timothy Coffey

SHEET 2 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
	Asphalt	N/A	N/A	N/A	
	Black Ter-sand.				Run #1
1	Yellow-brown silty sand: dry, F- grnd, mottled to massive.	φ. φ ppm	↑	N/A	φ: 5-4 ft D: 3.5 ft R: 2.8 ft
2					
3		φ. φ ppm		N/A	
4	No Recovery	N/A		N/A	
	Yellow-brown silty sand (As Above)		N/A		Run #2
5	Gray-black silty sand: dry, s & p	φ. φ ppm		N/A	4-8 ft D: 4 ft R: 3.2 ft
6	med. gray sand: dry, F-grnd.			1434	
7	DK brown to black silty sand: dry, F-grnd, multiple color variations.	φ. 3 ppm		N/A	
8	No Recovery	N/A	↓	N/A	
9	DK brown to black sandy silt: dry to wet, v. F-grnd, rel. soft (mushy).	φ. 3 ppm		1444 AK4519	Run #3
10		N/A		N/A	8-12 ft D: 4 ft R: 2.8 water at 8.8 ft BGS.

HTRW DRILLING LOG

HOLE NUMBER DB-533

PROJECT: Fort Stewart/Hunter

INSPECTOR

Anthony Colley

SHEET 3 OF 3

DEPTH (B)	DESCRIPTION OF MATERIALS (C)	HEADSPACE SCREENING RESULTS	GEOTECH SAMPLE OR CORE BOX	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
11	DK bnn to black sandy silt (As Above)	N/A	AR 4518	N/A	
12	Lt green-grey clay/ moist, sh. fl. plastic.				
13	No Recovery	N/A		N/A	
14	No soil Sampling				
15	End of Boring				TD = 13 ft.
16					
17					
18					
19					
20					

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APPENDIX B

SOIL ANALYTICAL RESULTS

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Volatile
Certificate of Analysis
Sample SummarySPG Number: 201010
Lab Sample ID: 201010001Client ID: AK0119
Batch ID: 721963
Run Date: 01/28/2008 18:45
Prep Date: 01/15/2008 09:46
Data File: 4v119.dDate Collected: 01/15/2008 12:03
Date Received: 01/16/2008 09:35
Client: SAIC072
Method: SW846 8260B
Inst: VOA4.I
Analyst: ACJ
Aliquot: 5.1 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 10.7
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.10 <i>u</i>	ug/kg	0.362	1.10
108-88-3	Toluene	U	1.10	ug/kg	0.318	1.10
100-41-4	Ethylbenzene	U	1.10 <i>↓</i>	ug/kg	0.219	1.10
1330-20-7	Xylenes (total)	J	0.566 <i>J</i>	ug/kg	0.219	1.10

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201010
Lab Sample ID: 201010001

Client ID: AK0119
Batch ID: 719185
Run Date: 01/18/2008 23:53
Prep Date: 01/18/2008 15:58
Data File: s2a1822.d

Date Collected: 01/15/2008 12:03
Date Received: 01/16/2008 09:35
Client: SAIC072
Method: SW846 8270C
Inst: MSD2.1
Analyst: AGS1
Aliquot: 30.09 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 10.7
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.2	ug/kg	12.4	37.2
129-00-0	Pyrene	U	37.2	ug/kg	11.7	37.2
91-20-3	Naphthalene	U	37.2	ug/kg	11.2	37.2
91-57-6	2-Methylnaphthalene	U	37.2	ug/kg	7.44	37.2
91-58-7	2-Chloronaphthalene	U	37.2	ug/kg	13.0	37.2
208-96-8	Acenaphthylene	U	37.2	ug/kg	11.2	37.2
86-73-7	Fluorene	U	37.2	ug/kg	11.2	37.2
85-01-8	Phenanthrene	U	37.2	ug/kg	7.44	37.2
120-12-7	Anthracene	U	37.2	ug/kg	11.2	37.2
206-44-0	Fluoranthene	U	37.2	ug/kg	11.2	37.2
56-55-3	Benzo(a)anthracene	U	37.2	ug/kg	11.2	37.2
218-01-9	Chrysene	U	37.2	ug/kg	11.2	37.2
205-99-2	Benzo(b)fluoranthene	U	37.2	ug/kg	11.2	37.2
207-08-9	Benzo(k)fluoranthene	U	37.2	ug/kg	11.2	37.2
50-32-8	Benzo(a)pyrene	U	37.2	ug/kg	11.2	37.2
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.2	ug/kg	11.2	37.2
53-70-3	Dibenzo(a,h)anthracene	U	37.2	ug/kg	11.2	37.2
191-24-2	Benzo(ghi)perylene	U	37.2	ug/kg	11.2	37.2

DATA VALIDATION
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METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201010

METHOD TYPE: SW846

SAMPLE ID: 201010001

CLIENT ID: AK0119

CONTRACT: SAIC007202

MATRIX:S

DATE RECEIVED 16-JAN-08

LEVEL: Low %SOLIDS: 89

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	1090	ug/kg	B		P	444	1	OPTIMA3	012408-1

J

"Data Validation Copy"

Volatile
Certificate of Analysis
Sample SummarySPG Number: 201010
Lab Sample ID: 201010002Client ID: AK0219
Batch ID: 721963
Run Date: 01/28/2008 19:13
Prep Date: 01/15/2008 09:49
Data File: 4v120.dDate Collected: 01/15/2008 13:02
Date Received: 01/16/2008 09:35
Client: SAIC072
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 4.5 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 6.5
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.19 <i>u</i>	ug/kg	0.392	1.19
108-88-3	Toluene	U	1.19 <i>u</i>	ug/kg	0.345	1.19
100-41-4	Ethylbenzene	J	0.938 <i>J</i>	ug/kg	0.238	1.19
1330-20-7	Xylenes (total)	J	0.865 <i>J</i>	ug/kg	0.238	1.19

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201010
Lab Sample ID: 201010002

Client ID: AK0219
Batch ID: 719185
Run Date: 01/19/2008 00:57
Prep Date: 01/18/2008 15:58
Data File: s2a1825.d

Date Collected: 01/15/2008 13:02
Date Received: 01/16/2008 09:35
Client: SAIC072
Method: SW846 8270C
Inst: MSD2.1
Analyst: AGS1
Aliquot: 30.24 g
Column: J&W DB-SMS

Matrix: SOIL
% Moisture: 6.5
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Partname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	35.4 <i>u</i>	ug/kg	11.8	35.4
129-00-0	Pyrene	U	35.4	ug/kg	11.1	35.4
91-20-3	Naphthalene	U	35.4	ug/kg	10.6	35.4
91-57-6	2-Methylnaphthalene	U	35.4	ug/kg	7.08	35.4
91-58-7	2-Chloronaphthalene	U	35.4	ug/kg	12.4	35.4
208-96-8	Acenaphthylene	U	35.4	ug/kg	10.6	35.4
86-73-7	Fluorene	U	35.4	ug/kg	10.6	35.4
85-01-8	Phenanthrene	U	35.4	ug/kg	10.6	35.4
120-12-7	Anthracene	U	35.4	ug/kg	7.08	35.4
206-44-0	Fluoranthene	U	35.4	ug/kg	10.6	35.4
56-55-3	Benzo(a)anthracene	U	35.4	ug/kg	10.6	35.4
218-01-9	Chrysene	U	35.4	ug/kg	10.6	35.4
205-99-2	Benzo(h)fluoranthene	J	12.9 <i>J</i>	ug/kg	10.6	35.4
207-08-9	Benzo(k)fluoranthene	U	35.4 <i>u</i>	ug/kg	10.6	35.4
50-32-8	Benzo(a)pyrene	J	13.0 <i>J</i>	ug/kg	10.6	35.4
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.4 <i>u</i>	ug/kg	10.6	35.4
53-70-3	Dibenzo(a,h)anthracene	U	35.4	ug/kg	10.6	35.4
191-24-2	Benzo(ghi)perylene	U	35.4	ug/kg	10.6	35.4

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201010

METHOD TYPE: SW846

SAMPLE ID: 201010002

CLIENT ID: AK0219

CONTRACT: SAJC007202

MATRIX: S

DATE RECEIVED 16-JAN-08

LEVEL: Low %SOLIDS: 93.5

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	987	ug/kg	B		P	417	1	OPTIMA3	012408-1

J

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample Summary

SPG Number: 201010
Lab Sample ID: 201010003

Client ID: AK0319
Batch ID: 721963
Run Date: 01/28/2008 19:41
Prep Date: 01/15/2008 09:52
Data File: 4v121.d

Date Collected: 01/15/2008 14:17
Date Received: 01/16/2008 09:35
Client: SA1C072
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 4.6 g
Column: RTX-VOLATILES

Matrix: SOIL
% Moisture: 9.8
Project: SA1C007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.21 <i>u</i>	ug/kg	0.398	1.21
108-88-3	Toluene	J	0.528 <i>J</i>	ug/kg	0.350	1.21
100-41-4	Ethylbenzene	J	0.323 <i>J</i>	ug/kg	0.241	1.21
1330-20-7	Xylenes (total)		1.45 <i>=</i>	ug/kg	0.241	1.21

DATA VALIDATION
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Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201010	Date Collected: 01/15/2008 14:17	Matrix: SOIL
Lab Sample ID: 201010003	Date Received: 01/16/2008 09:35	% Moisture: 9.8
Client ID: AK0319	Client: SAIC072	Project: SAIC007202
Batch ID: 719185	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Run Date: 01/19/2008 01:18	Inst: MSD2.1	Dilution: 1
Prep Date: 01/18/2008 15:58	Analyst: AGS1	Inj. Vol: .5 uL
Data File: s2a1826.d	Aliquot: 30.29 g	Final Volume: 1 mL
	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	36.6	ug/kg	12.2	36.6
129-00-0	Pyrene	U	36.6	ug/kg	11.5	36.6
91-20-3	Naphthalene	U	36.6	ug/kg	11.0	36.6
91-57-6	2-Methylnaphthalene	U	36.6	ug/kg	7.32	36.6
91-58-7	2-Chloronaphthalene	U	36.6	ug/kg	12.8	36.6
208-96-8	Acenaphthylene	U	36.6	ug/kg	11.0	36.6
86-73-7	Fluorene	U	36.6	ug/kg	11.0	36.6
85-01-8	Phenanthrene	U	36.6	ug/kg	11.0	36.6
120-12-7	Anthracene	U	36.6	ug/kg	7.32	36.6
206-44-0	Fluoranthene	U	36.6	ug/kg	11.0	36.6
56-55-3	Benzo(a)anthracene	U	36.6	ug/kg	11.0	36.6
218-01-9	Chrysene	U	36.6	ug/kg	11.0	36.6
205-99-2	Benzo(h)fluoranthene	U	36.6	ug/kg	11.0	36.6
207-08-9	Benzo(k)fluoranthene	U	36.6	ug/kg	11.0	36.6
50-32-8	Benzo(a)pyrene	U	36.6	ug/kg	11.0	36.6
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.6	ug/kg	11.0	36.6
53-70-3	Dibenzo(a,h)anthracene	U	36.6	ug/kg	11.0	36.6
191-24-2	Benzo(ghi)perylene	U	36.6	ug/kg	11.0	36.6

DATA VALIDATION
COPY

METALS
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INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201010

METHOD TYPE: SW846

SAMPLE ID: 201010003

CLIENT ID: AK6314

CONTRACT: SAIC007202

MATRIX: S

DATE RECEIVED 16-JAN-08

LEVEL: Low % SOLIDS: 90.2

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	5740	ug/kg			F	439		OPTIMAS	012408-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201010
Lab Sample ID: 201010004

Client ID: AK0419
Batch ID: 721963
Run Date: 01/28/2008 20:09
Prep Date: 01/15/2008 09:55
Data File: 4v122.d

Date Collected: 01/15/2008 15:27
Date Received: 01/16/2008 09:35
Client: SAIC072
Method: SW846 8260B
Inst: VOA4.J
Analyst: ACJ
Aliquot: 5.1 g
Column: RTX-VOLATILES

Matrix: SOIL
% Moisture: 7.6
Project: SAIC007202
SOP Ref: G1.-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.06 U	ug/kg	0.350	1.06
108-88-3	Toluene	U	1.06 U	ug/kg	0.308	1.06
100-41-4	Ethylbenzene		2.17 =	ug/kg	0.212	1.06
1330-20-7	Xylenes (total)	J	0.302 J	ug/kg	0.212	1.06

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201010
Lab Sample ID: 201010004

Client ID: AK0419
Batch ID: 719185
Run Date: 01/19/2008 01:39
Prep Date: 01/18/2008 15:58
Data File: s2a1827.d

Date Collected: 01/15/2008 15:27
Date Received: 01/16/2008 09:35
Client: SAIC072
Method: SW846 8270C
Inst: MSD2.1
Analyst: AGS1
Aliquot: 30.06 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 7.6
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	36.0	ug/kg	12.0	36.0
129-00-0	Pyrene	U	36.0	ug/kg	11.3	36.0
91-20-3	Naphthalene	U	36.0	ug/kg	10.8	36.0
91-57-6	2-Methylnaphthalene	U	36.0	ug/kg	7.20	36.0
91-58-7	2-Chloronaphthalene	U	36.0	ug/kg	12.6	36.0
208-96-8	Acenaphthylene	U	36.0	ug/kg	10.8	36.0
86-73-7	Fluorene	U	36.0	ug/kg	10.8	36.0
85-01-8	Phenanthrene	U	36.0	ug/kg	10.8	36.0
120-12-7	Anthracene	U	36.0	ug/kg	7.20	36.0
206-44-0	Fluoranthene	U	36.0	ug/kg	10.8	36.0
56-55-3	Benzo(a)anthracene	U	36.0	ug/kg	10.8	36.0
218-01-9	Chrysene	U	36.0	ug/kg	10.8	36.0
205-99-2	Benzo(b)fluoranthene	U	36.0	ug/kg	10.8	36.0
207-08-9	Benzo(k)fluoranthene	U	36.0	ug/kg	10.8	36.0
50-32-8	Benzo(a)pyrene	U	36.0	ug/kg	10.8	36.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.0	ug/kg	10.8	36.0
53-70-3	Dibenzo(a,h)anthracene	U	36.0	ug/kg	10.8	36.0
191-24-2	Benzo(ghi)perylene	U	36.0	ug/kg	10.8	36.0

DATA VALIDATION
COPY

METALS
-j-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201010

METHOD TYPE: SW846

SAMPLE ID: 201010004

CLIENT ID: AK0419

CONTRACT: SAIC007202

MATRIX:S

DATE RECEIVED 16-JAN-08

LEVEL: Low % SOLIDS: 92.4

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	3620	ug/kg			P	426	1	OPTIMA5	012408-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201086
Lab Sample ID: 201086003Client ID: AK0519
Batch ID: 721963
Run Date: 01/28/2008 18:17
Prep Date: 01/15/2008 12:15
Data File: 4v118.dDate Collected: 01/16/2008 10:23
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 5.4 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 9.6
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 100
Purge Vol: 5 mL
Final Volume: 10 mL
Level: MED

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	205 <i>u</i>	ug/kg	67.6	205
108-88-3	Toluene		973 <i>J</i>	ug/kg <i>Go!</i>	59.4	205
100-41-4	Ethylbenzene		9690 <i>J</i>	ug/kg <i>J</i>	41.0	205
1330-20-7	Xylenes (total)		24000 <i>J</i>	ug/kg <i>J</i>	41.0	205

"Data Validation Copy"

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201086
Lab Sample ID: 201086003

Client ID: AK0519
Batch ID: 719185
Run Date: 01/19/2008 02:43
Prep Date: 01/18/2008 15:58
Data File: s2a1830.d

Date Collected: 01/16/2008 10:23
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD2.1
Analyst: AGS1
Aliquot: 30.32 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 9.6
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Partname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	36.5 <i>u</i>	ug/kg	12.2	36.5
129-00-0	Pyrene	U	36.5	ug/kg	11.5	36.5
91-20-3	Naphthalene	U	36.5	ug/kg	10.9	36.5
91-57-6	2-Methylnaphthalene	J	13.4 <i>J</i>	ug/kg	7.30	36.5
91-58-7	2-Chloronaphthalene	U	36.5 <i>u</i>	ug/kg	12.8	36.5
208-96-8	Acenaphthylene	U	36.5	ug/kg	10.9	36.5
86-73-7	Fluorene	U	36.5	ug/kg	10.9	36.5
85-01-8	Phenanthrene	U	36.5	ug/kg	10.9	36.5
120-12-7	Anthracene	U	36.5	ug/kg	7.30	36.5
206-44-0	Fluoranthene	U	36.5	ug/kg	10.9	36.5
56-55-3	Benzo(a)anthracene	U	36.5	ug/kg	10.9	36.5
218-01-9	Chrysene	U	36.5	ug/kg	10.9	36.5
205-99-2	Benzo(h)fluoranthene	U	36.5	ug/kg	10.9	36.5
207-08-9	Benzo(k)fluoranthene	U	36.5	ug/kg	10.9	36.5
50-32-8	Benzo(a)pyrene	U	36.5	ug/kg	10.9	36.5
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.5	ug/kg	10.9	36.5
53-70-3	Dibenzo(a,h)anthracene	U	36.5	ug/kg	10.9	36.5
191-24-2	Benzo(ghi)perylene	U	36.5 <i>u</i>	ug/kg	10.9	36.5

"Data Validation Copy"

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201086

METHOD TYPE: SW846

SAMPLE ID: 201086003

CLIENT ID: AK0519

CONTRACT: SAIC007202

MATRIX: S

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS: 90.4

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	28500	ug/kg			P	434	1	OPTIMA-5	012408-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201086
Lab Sample ID: 201086002Client ID: AK0619
Batch ID: 721963
Run Date: 01/28/2008 17:49
Prep Date: 01/15/2008 12:12
Data File: 4v117.dDate Collected: 01/16/2008 09:26
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 5 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 18.4
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 10 mL
Level: MED

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	123 <i>US</i>	ug/kg <i>602</i>	40.4	123
108-88-3	Toluene		589 <i>J</i>	ug/kg	35.5	123
100-41-4	Ethylbenzene		412	ug/kg	24.5	123
1330-20-7	Xylenes (total)		1860	ug/kg	24.5	123

"Data Validation Copy"

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201086
Lab Sample ID: 201086002

Client ID: AK0619
Batch ID: 719185
Run Date: 01/19/2008 02:22
Prep Date: 01/18/2008 15:58
Data File: s2a1829.d

Date Collected: 01/16/2008 09:26
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD2.1
Analyst: AGS1
Aliquot: 30.15 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 18.4
Project: SAIC007202
SOP Ref: G1-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	40.6	ug/kg	13.6	40.6
129-00-0	Pyrene	U	40.6	ug/kg	12.8	40.6
91-20-3	Naphthalene	U	40.6	ug/kg	12.2	40.6
91-57-6	2-Methylnaphthalene	J	21.1	ug/kg	8.13	40.6
91-58-7	2-Chloronaphthalene	U	40.6	ug/kg	14.2	40.6
208-96-8	Acenaphthylene	U	40.6	ug/kg	12.2	40.6
86-73-7	Fluorene	U	40.6	ug/kg	12.2	40.6
85-01-8	Phenanthrene	U	40.6	ug/kg	12.2	40.6
120-12-7	Anthracene	U	40.6	ug/kg	8.13	40.6
206-44-0	Fluoranthene	U	40.6	ug/kg	12.2	40.6
56-55-3	Benzotrianthracene	U	40.6	ug/kg	12.2	40.6
218-01-9	Chrysene	U	40.6	ug/kg	12.2	40.6
205-99-2	Benzo(h)fluoranthene	U	40.6	ug/kg	12.2	40.6
207-08-9	Benzo(k)fluoranthene	U	40.6	ug/kg	12.2	40.6
50-32-8	Benzotripyrene	U	40.6	ug/kg	12.2	40.6
193-39-5	Indeno(1,2,3-cd)pyrene	U	40.6	ug/kg	12.2	40.6
53-70-3	Dibenz(a,h)anthracene	U	40.6	ug/kg	12.2	40.6
191-24-2	Benzo(ghi)perylene	U	40.6	ug/kg	12.2	40.6

"Data Validation Copy"

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201086

METHOD TYPE: SW846

SAMPLE ID: 201086002

CLIENT ID: AK0619

CONTRACT: SAJC007202

MATRIX: S

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS: 82

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	25400	ug/kg			P	479	1	OPTIMA3	012408-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201086
Lab Sample ID: 201086001Client ID: AK0719
Batch ID: 721963
Run Date: 01/28/2008 20:38
Prep Date: 01/15/2008 12:06
Data File: 4v123.dDate Collected: 01/16/2008 08:20
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 5.4 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 12.2
Project: SAIC007202
SOP Ref: G1.-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.05 <i>u</i>	ug/kg	0.348	1.05
108-88-3	Toluene	U	1.05 <i>↓</i>	ug/kg	0.306	1.05
100-41-4	Ethylbenzene	U	1.05 <i>↓</i>	ug/kg	0.211	1.05
1330-20-7	Xylenes (total)	J	0.348 <i>J</i>	ug/kg	0.211	1.05

"Data Validation Copy"

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201086
Lab Sample ID: 201086001

Client ID: AK0719
Batch ID: 719185
Run Date: 01/19/2008 02:01
Prep Date: 01/18/2008 15:58
Data File: s2a1828.d

Date Collected: 01/16/2008 08:20
Date Received: 01/17/2008 09:30
Client: SA1C072
Method: SW846 8270C
Inst: MSD2.1
Analyst: AGS1
Aliquot: 30.43 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 12.2
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.4	ug/kg	12.5	37.4
129-00-0	Pyrene	U	37.4	ug/kg	11.8	37.4
91-20-3	Naphthalene	U	37.4	ug/kg	11.2	37.4
91-57-6	2-Methylnaphthalene	U	37.4	ug/kg	7.49	37.4
91-58-7	2-Chloronaphthalene	U	37.4	ug/kg	13.1	37.4
208-96-8	Acenaphthylene	U	37.4	ug/kg	11.2	37.4
86-73-7	Fluorene	U	37.4	ug/kg	11.2	37.4
85-01-8	Phenanthrene	U	37.4	ug/kg	11.2	37.4
120-12-7	Anthracene	U	37.4	ug/kg	7.49	37.4
206-44-0	Fluoranthene	U	37.4	ug/kg	11.2	37.4
56-55-3	Benzo(a)anthracene	U	37.4	ug/kg	11.2	37.4
218-01-9	Chrysene	U	37.4	ug/kg	11.2	37.4
205-99-2	Benzo(h)fluoranthene	U	37.4	ug/kg	11.2	37.4
207-08-9	Benzo(k)fluoranthene	U	37.4	ug/kg	11.2	37.4
50-32-8	Benzo(a)pyrene	U	37.4	ug/kg	11.2	37.4
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.4	ug/kg	11.2	37.4
53-70-3	Dibenzo(a,h)anthracene	U	37.4	ug/kg	11.2	37.4
191-24-2	Benzo(ghi)perylene	U	37.4	ug/kg	11.2	37.4

"Data Validation Copy"

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201086

METHOD 3110 SW846

SAMPLE ID: 201086001

CJDN B AK0719

CONTRACT: SAIC007202

MATRIX:S

DATE RECEIVED 17-JAN-08

LEAD - SOLIDS: 88

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>DD</u>	<u>DD</u>	<u>Instrument</u>	<u>Analytical</u>
										<u>Ref</u>
7439-92-1	Lead	1370	ug/kg			F	455			

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537-1
Lab Sample ID: 201540001Client ID: AK0819
Batch ID: 723846
Run Date: 02/06/2008 15:53
Prep Date: 01/25/2008 07:42
Data File: 9w314.dDate Collected: 01/23/2008 09:12
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.1
Analyst: RXY1
Aliquot: 5.5 g
Column: RTX-VolatilesMatrix: SOIL
% Moisture: 9.9
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 10 mL
Level: MED

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	101 <i>u</i>	ug/kg	33.3	101
108-88-3	Toluene	J	65.9 <i>J</i>	ug/kg	29.3	101
100-41-4	Ethylbenzene		1360 <i>=</i>	ug/kg	20.2	101
1330-20-7	Xylenes (total)		1810 <i>=</i>	ug/kg	20.2	101

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

Page 1 of 1

SDG Number: 201537-1
Lab Sample ID: 201540001

Client ID: AK0819
Batch ID: 721999
Run Date: 01/29/2008 12:01
Prep Date: 01/28/2008 19:37
Data File: s6a2908.d

Date Collected: 01/23/2008 09:12
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLDJ
Aliquot: 30.05 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 9.9
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	36.9 U	ug/kg	12.3	36.9
129-00-0	Pyrene	J	12.9 J	ug/kg	11.6	36.9
91-20-3	Naphthalene	U	36.9 U	ug/kg	11.1	36.9
91-57-6	2-Methylnaphthalene	E	63.4 = Fol, ug/kg Fol	ug/kg	7.39	36.9
91-58-7	2-Chloronaphthalene	U	36.9 U	ug/kg	12.9	36.9
206-96-8	Acenaphthylene	U	36.9 U	ug/kg	11.1	36.9
86-73-7	Fluorene	J	11.6 J	ug/kg	11.1	36.9
85-01-8	Phenanthrene	J	29.4 J	ug/kg	11.1	36.9
120-12-7	Anthracene	U	36.9 U	ug/kg	7.39	36.9
206-44-0	Fluoranthene	J	28.0 J	ug/kg	11.1	36.9
56-55-3	Benzo(a)anthracene	U	36.9 U	ug/kg	11.1	36.9
218-01-9	Chrysene	U	36.9	ug/kg	11.1	36.9
205-99-2	Benzo(b)fluoranthene	U	36.9	ug/kg	11.1	36.9
207-08-9	Benzo(k)fluoranthene	U	36.9	ug/kg	11.1	36.9
50-32-8	Benzo(a)pyrene	U	36.9	ug/kg	11.1	36.9
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.9	ug/kg	11.1	36.9
53-70-3	Dibenzo(a,h)anthracene	U	36.9	ug/kg	11.1	36.9
191-24-2	Benzo(ghi)perylene	U	36.9	ug/kg	11.1	36.9

DATA VALIDATION
COPY

METALS
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537-1

METHOD TYPE: SW846

SAMPLE ID: 201540001

CLIENT ID: AK0819

CONTRACT: SAJC08507

MATRIX: S

DATE RECEIVED 24-JAN-08

LEVEL: Low % SOLIDS: 90.0

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qua</u>	<u>M</u>	<u>DD</u>	<u>D</u>	<u>Instrument</u> <u>D</u>	<u>Analytical</u> <u>Rul.</u>
7439-92-1	Lead	54	mg/kg			MC	0.011	1	ICPMS	680204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537-1
Lab Sample ID: 201540002Client ID: AK0919
Batch ID: 723846
Run Date: 02/04/2008 17:18
Prep Date: 01/25/2008 07:45
Data File: 9w117.dDate Collected: 01/23/2008 10:37
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA9J
Analyst: RXY1
Aliquot: 5.6 g
Column: RTX-VolatilesMatrix: SOIL
% Moisture: 16.5
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USE

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.07 <i>u</i>	ug/kg	0.353	1.07
108-88-3	Toluene		2.82 <i>J 601</i>	ug/kg	0.310	1.07
100-41-4	Ethylbenzene	<i>D E 1950 645 =</i>		ug/kg	0.214	1.07
1330-20-7	Xylenes (total)	<i>D E 2370 798 =</i>		ug/kg	0.214	1.07

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201537-1
Lab Sample ID: 201540002

Client ID: AK0919
Batch ID: 721999
Run Date: 01/29/2008 12:23
Prep Date: 01/28/2008 19:37
Data File: s6a2909.d

Date Collected: 01/23/2008 10:37
Date Received: 01/24/2008 15:05
Client: SAJC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLDJ
Aliquot: 30.02 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 16.5
Project: SAJC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 ul
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	POL/LOQ
83-32-9	Acenaphthene	U	39.9 <u>u</u>	ug/kg	15.0	39.9
129-00-0	Pyrene	U	39.9 <u>u</u>	ug/kg	12.0	39.9
91-20-3	Naphthalene	U	39.9 <u>u</u>	ug/kg	12.0	39.9
91-57-6	2-Methylnaphthalene	E	134 = <u>F01</u>	ug/kg	7.99	39.9
91-58-7	2-Chloronaphthalene	U	39.9 <u>u</u>	ug/kg	14.0	39.9
208-96-8	Acenaphthylene	U	39.9 <u>u</u>	ug/kg	12.0	39.9
86-73-7	Fluorene		55.5 =	ug/kg	12.0	39.9
85-01-8	Phenanthrene		47.0 =	ug/kg	12.0	39.9
120-12-7	Anthracene	J	10.0 <u>J</u>	ug/kg	7.99	39.9
206-44-0	Fluoranthene	J	15.2 <u>J</u>	ug/kg	12.0	39.9
56-55-3	Benzo(a)anthracene	U	39.9 <u>u</u>	ug/kg	12.0	39.9
218-01-9	Chrysene	U	39.9 <u>u</u>	ug/kg	12.0	39.9
205-99-2	Benzo(b)fluoranthene	U	39.9 <u>u</u>	ug/kg	12.0	39.9
207-08-9	Benzo(k)fluoranthene	U	39.9 <u>u</u>	ug/kg	12.0	39.9
50-32-8	Benzo(a)pyrene	U	39.9 <u>u</u>	ug/kg	12.0	39.9
193-39-5	Indeno(1,2,3-cd)pyrene	U	39.9 <u>u</u>	ug/kg	12.0	39.9
53-70-3	Dibenzo(a,h)anthracene	U	39.9 <u>u</u>	ug/kg	12.0	39.9
191-24-2	Benzo(ghi)perylene	U	39.9 <u>u</u>	ug/kg	12.0	39.9

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537-1

METHOD TYPE: SW846

SAMPLE ID: 201540002

CLIENT ID: AK0919

CONTRACT: SAJC08507

MATRIX: S

DATE RECEIVED 24-JAN-08

LEVEL: Low % SOLIDS: 84

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	11	mg/kg			MS	0.012	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537
Lab Sample ID: 201537003Client ID: AK0915
Batch ID: 723384
Run Date: 02/04/2008 15:25
Prep Date: 02/04/2008 15:25
Data File: 2w117.d

RINSATE

Date Collected: 01/23/2008 10:10
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <u>U</u>	ug/L	0.300	1.00
108-88-3	Toluene		2.83 <u>=</u>	ug/L	0.250	1.00
100-41-4	Ethylbenzene		2.83 <u>=</u>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)		10.9 <u>=</u>	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201537
Lab Sample ID: 201537003

Date Collected: 01/23/2008 10:10
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: RJB1
Aliquot: 1000 mL
Column: J&W DB-5MS

Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

Client ID: AK0915
Batch ID: 721970
Run Date: 01/29/2008 16:06
Prep Date: 01/28/2008 17:06
Data File: s5a2922.d

RINSATE

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	U	1.00	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS

-3-

INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537

METHOD TYPE: SW846

SAMPLE ID: 201537003

CLIENT ID: AK0915

CONTRACT: SAJC08507

MATRIX:G

DATE RECEIVED 24-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	0.40	ug/L	E		MS	0.05	1	ICPMS6	080131-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682-1
Lab Sample ID: 201683001Client ID: AK1019
Batch ID: 724297
Run Date: 02/07/2008 18:15
Prep Date: 01/28/2008 13:25
Data File: 4w405.dDate Collected: 01/24/2008 08:21
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 4.8 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 6.8
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USE

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	Uh	1.12	ug/kg	0.369	1.12
108-88-3	Toluene	h	2.62	ug/kg	0.324	1.12
100-41-4	Ethylbenzene	Dh	215	ug/kg	0.223	1.12
1330-20-7	Xylenes (total)	Dh	1030	ug/kg	0.223	1.12

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682-1
Lab Sample ID: 201683001

Client ID: AK1019
Batch ID: 721999
Run Date: 01/29/2008 13:29
Prep Date: 01/28/2008 19:37
Data File: s6a2912.d

Date Collected: 01/24/2008 08:21
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLD1
Aliquot: 30.04 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 6.8
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	35.7 U	ug/kg	11.9	35.7
129-00-0	Pyrene	U	35.7	ug/kg	11.2	35.7
91-20-3	Naphthalene	U	35.7	ug/kg	10.7	35.7
91-57-6	2-Methylnaphthalene	B	133 = F01	ug/kg F08	7.14	35.7
91-58-7	2-Chloronaphthalene	U	35.7 U	ug/kg	12.5	35.7
208-96-8	Acenaphthylene	U	35.7 U	ug/kg	10.7	35.7
86-73-7	Fluorene		37.4 =	ug/kg	10.7	35.7
85-01-8	Phenanthrene	J	11.8 J	ug/kg	10.7	35.7
120-12-7	Anthracene	U	35.7 U	ug/kg	7.14	35.7
206-44-0	Fluoranthene	U	35.7	ug/kg	10.7	35.7
56-55-3	Benzo(a)anthracene	U	35.7	ug/kg	10.7	35.7
218-01-9	Chrysene	U	35.7	ug/kg	10.7	35.7
205-99-2	Benzo(b)fluoranthene	U	35.7	ug/kg	10.7	35.7
207-08-9	Benzo(k)fluoranthene	U	35.7	ug/kg	10.7	35.7
50-32-8	Benzo(a)pyrene	U	35.7	ug/kg	10.7	35.7
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.7	ug/kg	10.7	35.7
53-70-3	Dibenzo(a,h)anthracene	U	35.7	ug/kg	10.7	35.7
191-24-2	Benzo(ghi)perylene	U	35.7	ug/kg	10.7	35.7

DATA VALIDATION
COPY

METALS
-J-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682-1

METHOD TYPE: SW846

SAMPLE ID: 201683001

CLIENT ID: AK1019

CONTRACT: SAJC08507

MATRIX:S

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS: 93.2

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	24.8	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682-1
Lab Sample ID: 201683002Client ID: AK1119
Batch ID: 724297
Run Date: 02/07/2008 08:09
Prep Date: 01/28/2008 13:32
Data File: 4w337.dDate Collected: 01/24/2008 09:15
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 4.9 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 14
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 250
Purge Vol: 5 mL
Final Volume: 10 mL
Level: MED

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	h	259	ug/kg	105,402	594
108-88-3	Toluene	h	52000	ug/kg	172	594
100-41-4	Ethylbenzene	h	16200	ug/kg	119	594
1330-20-7	Xylenes (total)	h	74000	ug/kg	114	594

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682-1
Lab Sample ID: 201683002

Client ID: AK1119
Batch ID: 721999
Run Date: 01/29/2008 13:52
Prep Date: 01/28/2008 19:37
Data File: s6a2913.d

Date Collected: 01/24/2008 09:15
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLD1
Aliquot: 30.09 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 14
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	38.7 u	ug/kg	12.9	38.7
129-00-0	Pyrene		62.0 =	ug/kg	12.1	38.7
91-20-3	Naphthalene	J	37.6 J	ug/kg	11.6	38.7
91-57-6	2-Methylnaphthalene	B	275 =	ug/kg Fo8	7.73	38.7
91-58-7	2-Chloronaphthalene	U	38.7 u	ug/kg	13.5	38.7
208-96-8	Acenaphthylene	U	38.7 u	ug/kg	11.6	38.7
86-73-7	Fluorene		43.2 =	ug/kg	11.6	38.7
85-01-8	Phenanthrene		101 =	ug/kg	11.6	38.7
120-12-7	Anthracene	J	20.3 J	ug/kg	7.73	38.7
120-12-7	Anthracene		106 =	ug/kg	11.6	38.7
206-44-0	Fluoranthene			ug/kg	11.6	38.7
56-55-3	Benzo(a)anthracene	U	38.7 u	ug/kg	11.6	38.7
218-01-9	Chrysene	U	38.7 u	ug/kg	11.6	38.7
205-99-2	Benzo(b)fluoranthene	J	15.2 J	ug/kg	11.6	38.7
207-08-9	Benzo(k)fluoranthene	U	38.7 u	ug/kg	11.6	38.7
50-32-8	Benzo(a)pyrene	U	38.7 u	ug/kg	11.6	38.7
195-39-5	Indeno(1,2,3-cd)pyrene	U	38.7 u	ug/kg	11.6	38.7
53-70-3	Dibenzo(a,h)anthracene	U	38.7 u	ug/kg	11.6	38.7
191-24-2	Benzo(ghi)perylene	U	38.7 u	ug/kg	11.6	38.7

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682-1

METHOD TYPE: SW846

SAMPLE ID: 201683002

CLIENT ID: AK1119

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS: 86

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	26.7	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682-1
Lab Sample ID: 201683003Client ID: AK1219
Batch ID: 724297
Run Date: 02/06/2008 17:23
Prep Date: 01/28/2008 13:34
Data File: 4w310.dDate Collected: 01/24/2008 10:12
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA4J
Analyst: ACJ
Aliquot: 4.7 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 9
Project: SAIC08507
SOP Ref: GL-OA-E-036
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	POL/LOQ
71-43-2	Benzene	UL	1.17 <i>US</i>	ug/kg <i>A05</i>	0.386	1.17
108-88-3	Toluene	UL	1.17 <i>US</i>	ug/kg <i>I</i>	0.536	1.17
100-41-4	Ethylbenzene	JL	0.513 <i>J</i>	ug/kg <i>I</i>	0.254	1.17
1330-20-7	Xylenes (total)	L	1.56 <i>J</i>	ug/kg <i>I</i>	0.254	1.17

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682-1

Lab Sample ID: 201683003

Client ID: AK1219

Batch ID: 721999

Run Date: 01/29/2008 14:14

Prep Date: 01/28/2008 19:37

Data File: s6a2914.d

Date Collected: 01/24/2008 10:17

Date Received: 01/25/2008 14:07

Client: SAJC085

Method: SW846 8270C

Inst: MSD6.1

Analyst: JLD1

Aliquot: 30.02 g

Column: J&W DB-5MS

Matrix: SOIL

% Moisture: 9

Project: SAJC08507

SOP Ref: GL-0A-E-009

Dilution: 1

Inj. Vol: .5 ul

Final Volume: 1 ml

Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	36.6 <i>u</i>	ug/kg	12.2	36.6
129-00-0	Pyrene	U	26.0 <i>J</i>	ug/kg	11.5	36.6
91-20-3	Naphthalene	U	36.6 <i>u</i>	ug/kg	11.0	36.6
91-57-6	2-Methylnaphthalene	BJ	36.6 <i>u</i>	ug/kg	7.37	36.6
91-58-7	2-Chloronaphthalene	U	36.6 <i>u</i>	ug/kg	12.3	36.6
208-96-8	Acenaphthylene	U	36.6 <i>↓</i>	ug/kg	11.0	36.6
86-73-7	Fluorene	U	36.6 <i>↓</i>	ug/kg	11.0	36.6
85-01-8	Phenanthrene	U	38.1 <i>=</i>	ug/kg	11.0	36.6
120-12-7	Anthracene	U	36.6 <i>u</i>	ug/kg	7.37	36.6
206-44-0	Fluoranthene	U	48.2 <i>=</i>	ug/kg	11.0	36.6
56-55-3	Benzo(a)anthracene	U	36.6 <i>u</i>	ug/kg	11.0	36.6
218-01-9	Chrysene	U	36.6 <i>u</i>	ug/kg	11.0	36.6
205-99-2	Benzo(b)fluoranthene	U	36.6 <i>u</i>	ug/kg	11.0	36.6
207-08-9	Benzo(k)fluoranthene	U	36.6 <i>u</i>	ug/kg	11.0	36.6
50-32-8	Benzo(a)pyrene	U	36.6 <i>u</i>	ug/kg	11.0	36.6
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.6 <i>u</i>	ug/kg	11.0	36.6
53-70-3	Dibenzo(a,h)anthracene	U	36.6 <i>u</i>	ug/kg	11.0	36.6
191-24-2	Benzo(ghi)perylene	U	36.6 <i>u</i>	ug/kg	11.0	36.6

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682-1

METHOD TYPE: SW846

SAMPLE ID: 201683003

CLIENT ID: AK1219

CONTRACT: SAJC08507

MATRIX:S

DATE RECEIVED 25-JAN-08

LEVEL: Low % SOLIDS: 91

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	5.1	mg/kg			MS	0.011	2	1CPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682-1
Lab Sample ID: 201683004Client ID: AK1319
Batch ID: 724297
Run Date: 02/06/2008 17:51
Prep Date: 01/28/2008 13:37
Data File: 4w311.dDate Collected: 01/24/2008 11:08
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA4J
Analyst: ACJ
Aliquot: 4.7 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 6.1
Project: SAIC08507
SOP Ref: G1.-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	Uh	1.13	ug/kg	0.374	1.13
108-88-3	Toluene	Jh	0.540	ug/kg	0.329	1.13
105-41-4	Ethylbenzene	Jh	0.542	ug/kg	0.227	1.13
1330-20-7	Xylenes (total)	h	1.76	ug/kg	0.227	1.13

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682-1
Lab Sample ID: 201683004

Client ID: AK1319
Batch ID: 721999
Run Date: 01/29/2008 14:36
Prep Date: 01/28/2008 19:37
Data File: s6a2915.d

Date Collected: 01/24/2008 11:08
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLD1
Aliquot: 30.08 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 6.1
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	35.4 U	ug/kg	11.8	35.4
129-00-0	Pyrene	U	35.4	ug/kg	11.1	35.4
91-20-3	Naphthalene	U	35.4	ug/kg	10.6	35.4
91-57-6	2-Methylnaphthalene	B	35.4 8.82 U	F01, ug/kg F06	7.08	35.4
91-58-7	2-Chloronaphthalene	U	35.4 U	ug/kg	12.4	35.4
208-96-8	Acenaphthylene	U	35.4	ug/kg	10.6	35.4
86-73-7	Fluorene	U	35.4	ug/kg	10.6	35.4
85-01-8	Phenanthrene	U	35.4	ug/kg	10.6	35.4
120-12-7	Anthracene	U	35.4	ug/kg	7.08	35.4
206-44-0	Fluoranthene	U	35.4	ug/kg	10.6	35.4
56-55-3	Benzo(a)anthracene	U	35.4	ug/kg	10.6	35.4
218-01-9	Chrysene	U	35.4	ug/kg	10.6	35.4
205-99-2	Benzo(h)fluoranthene	U	35.4	ug/kg	10.6	35.4
207-08-9	Benzo(k)fluoranthene	U	35.4	ug/kg	10.6	35.4
50-32-8	Benzo(a)pyrene	U	35.4	ug/kg	10.6	35.4
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.4	ug/kg	10.6	35.4
53-70-3	Dibenzo(a,h)anthracene	U	35.4	ug/kg	10.6	35.4
191-24-2	Benzo(ghi)perylene	U	35.4	ug/kg	10.6	35.4

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682-1

METHOD TYPE: SW846

SAMPLE ID: 201683004

CLIENT ID: AK1319

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS: 93.9

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	2.2	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537-1
Lab Sample ID: 201540003Client ID: AK1419
Batch ID: 723846
Run Date: 02/06/2008 14:25
Prep Date: 01/25/2008 07:51
Data File: 9w311.dDate Collected: 01/23/2008 11:47
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.I
Analyst: RXY1
Aliquot: 5.2 g
Column: RTX-VolatilesMatrix: SOIL
% Moisture: 10
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.07 <i>u</i>	ug/kg	0.353	1.07
108-88-3	Toluene	U	1.07 <i>u</i>	ug/kg	0.310	1.07
100-41-4	Ethylbenzene		26.8 =	ug/kg	0.214	1.07
1330-20-7	Xylenes (total)		59.3 =	ug/kg	0.214	1.07

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201537-1
Lab Sample ID: 201540003

Client ID: AK1419
Batch ID: 721999
Run Date: 01/29/2008 12:45
Prep Date: 01/28/2008 19:37
Data File: s6a2910.d

Date Collected: 01/23/2008 11:47
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLDJ
Aliquot: 30 g
Column: J&W DB-5MS

Matrix: SOL
% Moisture: 10
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 ul
Final Volume: 1 ml
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.0 U	ug/kg	12.4	37.0
129-00-0	Pyrene	U	37.0	ug/kg	11.1	37.0
91-20-3	Naphthalene	U	37.0	ug/kg	11.1	37.0
91-57-6	2-Methylnaphthalene	B3	37.0 U Fol	ug/kg Fol	7.41	37.0
91-58-7	2-Chloronaphthalene	U	37.0 U	ug/kg	13.0	37.0
208-96-8	Acenaphthylene	U	37.0	ug/kg	11.1	37.0
86-73-7	Fluorene	U	37.0	ug/kg	11.1	37.0
85-01-8	Phenanthrene	U	37.0	ug/kg	7.41	37.0
120-12-7	Anthracene	U	37.0	ug/kg	11.1	37.0
206-44-0	Fluoranthene	U	37.0	ug/kg	11.1	37.0
56-55-3	Benzo(a)anthracene	U	37.0	ug/kg	11.1	37.0
218-01-9	Chrysene	U	37.0	ug/kg	11.1	37.0
205-99-2	Benzo(h)fluoranthene	U	37.0	ug/kg	11.1	37.0
207-08-9	Benzo(k)fluoranthene	U	37.0	ug/kg	11.1	37.0
50-32-8	Benzo(a)pyrene	U	37.0	ug/kg	11.1	37.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.0	ug/kg	11.1	37.0
53-70-3	Dibenzo(a,h)anthracene	U	37.0	ug/kg	11.1	37.0
191-24-2	Benzo(ghi)perylene	U	37.0	ug/kg	11.1	37.0

DATA VALIDATION
COPY

METALS
-J-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537-1

METHOD TYPE: SW846

SAMPLE ID: 201540003

CLIENT ID: AK1419

CONTRACT: SAJC08507

MATRIX:S

DATE RECEIVED 24-JAN-08

LEVEL: Low %SOLIDS: 90

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	14.8	mg/kg			MS	0.011	2	JCPMSS	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537-1
Lab Sample ID: 201540004Client ID: AK1519
Batch ID: 723846
Run Date: 02/04/2008 18:13
Prep Date: 01/25/2008 07:55
Data File: 9w119.dDate Collected: 01/23/2008 12:43
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.I
Analyst: RXY1
Aliquot: 5.1 g
Column: RTX-VolatilesMatrix: SOIL
% Moisture: 12.8
Project: SAIC08507
SOP Ref: G1-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USA

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.12 U	ug/kg	0.371	1.12
108-88-3	Toluene	E	827 J 103	ug/kg	0.326	1.12
100-41-4	Ethylbenzene	E	615 J 103	ug/kg	0.225	1.12
1330-20-7	Xylenes (total)	DJ E 76 1820 J		ug/kg	0.225	1.12

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682-1
Lab Sample ID: 201683009

Client ID: AK1519
Batch ID: 721999
Run Date: 01/29/2008 17:08
Prep Date: 01/28/2008 19:37
Data File: s6a2922.d

Date Collected: 01/23/2008 12:43
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.J
Analyst: JLDJ
Aliquot: 30.03 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 12.8
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	38.2 U	ug/kg	12.7	38.2
129-00-0	Pyrene	U	38.2	ug/kg	12.0	38.2
91-20-3	Naphthalene	U	38.2	ug/kg	11.5	38.2
91-57-6	2-Methylnaphthalene	BJ	38.2	ug/kg	7.63	38.2
91-58-7	2-Chloronaphthalene	U	38.2 U	ug/kg	13.4	38.2
208-96-8	Acenaphthylene	U	38.2	ug/kg	11.5	38.2
86-73-7	Fluorene	U	38.2	ug/kg	11.5	38.2
85-01-8	Phenanthrene	U	38.2	ug/kg	11.5	38.2
120-12-7	Anthracene	U	38.2	ug/kg	7.63	38.2
206-44-0	Fluoranthene	J	18.8 J	ug/kg	11.5	38.2
56-55-3	Benzo(a)anthracene	U	38.2 U	ug/kg	11.5	38.2
218-01-9	Chrysene	U	38.2	ug/kg	11.5	38.2
205-99-2	Benzo(b)fluoranthene	U	38.2	ug/kg	11.5	38.2
207-08-9	Benzo(k)fluoranthene	U	38.2	ug/kg	11.5	38.2
50-32-8	Benzo(a)pyrene	U	38.2	ug/kg	11.5	38.2
193-39-5	Indeno(1,2,3-cd)pyrene	U	38.2	ug/kg	11.5	38.2
53-70-3	Dibenzo(a,h)anthracene	U	38.2	ug/kg	11.5	38.2
191-24-2	Benzo(ghi)perylene	U	38.2	ug/kg	11.5	38.2

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682-1

METHOD TYPE: SW846

SAMPLE ID: 201683009

CLIENT ID: AK1519

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS: 87

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	27	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682-1
Lab Sample ID: 201683005Client ID: AK1619
Batch ID: 724297
Run Date: 02/06/2008 18:18
Prep Date: 01/28/2008 13:41
Data File: 4w312.dDate Collected: 01/24/2008 13:01
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 5.3 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 24.7
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	Uh	1.25 <i>JS</i>	ug/kg <i>POS</i>	0.413	1.25
108-88-3	Toluene	h	4.38 <i>J</i>	ug/kg	0.363	1.25
100-41-4	Ethylbenzene	h	48.9 <i>J</i>	ug/kg	0.251	1.25
1330-20-7	Xylenes (total)	h	245 <i>J</i>	ug/kg	0.251	1.25

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682-1
Lab Sample ID: 201683005

Client ID: AK1619
Batch ID: 721999
Run Date: 01/29/2008 14:58
Prep Date: 01/28/2008 19:37
Data File: s6a2916.d

Date Collected: 01/24/2008 13:01
Date Received: 01/25/2008 14:07
Client: SA1C085
Method: SW846 8270C
Inst: MSD6.J
Analyst: JLD1
Aliquot: 30.06 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 24.7
Project: SA1C08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	44.2 U	ug/kg	14.8	44.2
129-00-0	Pyrene	U	44.2	ug/kg	13.9	44.2
91-20-3	Naphthalene	U	44.2	ug/kg	13.5	44.2
91-57-6	2-Methylnaphthalene	B	49.1 U F01, uF07	ug/kg	8.85	44.2
91-58-7	2-Chloronaphthalene	U	44.2 U	ug/kg	15.5	44.2
208-96-8	Acenaphthylene	U	44.2 U	ug/kg	13.5	44.2
86-73-7	Fluorene	J	22.5 J	ug/kg	13.5	44.2
85-01-8	Phenanthrene	U	44.2 U	ug/kg	13.5	44.2
120-12-7	Anthracene	U	44.2	ug/kg	8.85	44.2
206-44-0	Fluoranthene	U	44.2	ug/kg	13.5	44.2
56-55-3	Benzo(a)anthracene	U	44.2	ug/kg	13.5	44.2
218-01-9	Chrysene	U	44.2	ug/kg	13.5	44.2
205-99-2	Benzo(h)fluoranthene	U	44.2	ug/kg	13.5	44.2
207-08-9	Benzo(k)fluoranthene	U	44.2	ug/kg	13.5	44.2
50-32-8	Benzo(a)pyrene	U	44.2	ug/kg	13.5	44.2
193-39-5	Indeno(1,2,3-cd)pyrene	U	44.2	ug/kg	13.5	44.2
53-70-3	Dibenzo(a,h)anthracene	U	44.2	ug/kg	13.5	44.2
191-24-2	Benzo(ghi)perylene	U	44.2	ug/kg	13.5	44.2

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682-1

METHOD TYPE: SW846

SAMPLE ID: 201683005

CLIENT ID: AK1619

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS: 75

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	42.3	mg/kg			MS	0.013	2	ICPMS ⁺	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682-1
Lab Sample ID: 201683006Client ID: AK1719
Batch ID: 724297
Run Date: 02/06/2008 18:46
Prep Date: 01/28/2008 13:45
Data File: 4w313.dDate Collected: 01/24/2008 14:07
Date Received: 01/25/2008 14:07
Client: SA1C085
Method: SW846 8260B
Inst: VOA4J
Analyst: ACJ
Aliquot: 5 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 4.4
Project: SA1C08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	Uh	1.05	ug/kg	0.345	1.05
108-88-3	Toluene	h	23.6	ug/kg	0.303	1.05
100-41-4	Ethylbenzene	h	30.7	ug/kg	0.209	1.05
1330-20-7	Xylenes (total)	h	170	ug/kg	0.209	1.05

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682-1
Lab Sample ID: 201683006

Client ID: AK1719
Batch ID: 721999
Run Date: 01/29/2008 15:19
Prep Date: 01/28/2008 19:37
Data File: s6a2917.d

Date Collected: 01/24/2008 14:07
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLD1
Aliquot: 30.05 g
Column: J&W DB-SMS

Matrix: SOIL
% Moisture: 4.4
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	POL/LOQ
83-32-9	Acenaphthene	U	34.8	ug/kg	11.6	34.8
129-00-0	Pyrene	U	34.8	ug/kg	10.4	34.8
91-20-3	Naphthalene	U	34.8	ug/kg	10.4	34.8
91-57-6	2-Methylnaphthalene	B	34.8	ug/kg	6.96	34.8
91-58-7	2-Chloronaphthalene	U	34.8	ug/kg	12.2	34.8
208-96-8	Acenaphthylene	U	34.8	ug/kg	10.4	34.8
86-73-7	Fluorene	U	34.8	ug/kg	10.4	34.8
85-01-8	Phenanthrene	U	34.8	ug/kg	10.4	34.8
120-12-7	Anthracene	U	34.8	ug/kg	6.96	34.8
206-44-0	Fluoranthene	U	34.8	ug/kg	10.4	34.8
56-55-3	Benzo(a)anthracene	U	34.8	ug/kg	10.4	34.8
218-01-9	Chrysene	U	34.8	ug/kg	10.4	34.8
205-99-2	Benzo(b)fluoranthene	U	34.8	ug/kg	10.4	34.8
207-08-9	Benzo(k)fluoranthene	U	34.8	ug/kg	10.4	34.8
50-32-8	Benzo(a)pyrene	U	34.8	ug/kg	10.4	34.8
193-39-5	Indeno(1,2,3-cd)pyrene	U	34.8	ug/kg	10.4	34.8
53-70-3	Dibenzo(a,h)anthracene	U	34.8	ug/kg	10.4	34.8
191-24-2	Benzo(ghi)perylene	U	34.8	ug/kg	10.4	34.8

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682-1

METHOD TYPE: SW846

SAMPLE ID: 201683006

CLIENT ID: AK1719

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS: 95.6

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	33.6	mg/kg			MS	0.01	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682-1
Lab Sample ID: 201683007Client ID: AK1819
Batch ID: 724297
Run Date: 02/06/2008 19:14
Prep Date: 01/28/2008 13:48
Data File: 4w314.dDate Collected: 01/24/2008 15:08
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA4J
Analyst: ACJ
Aliquot: 4.8 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 17.6
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USO

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	Uh	1.26 65	ug/kg AOS	0.417	1.26
108-88-3	Toluene	h	32.6 5	ug/kg	0.367	1.26
100-41-4	Ethylbenzene	Dh En	142 30	ug/kg 5	0.255	1.26
1330-20-7	Xylenes (total)	Dh h	433 120	ug/kg 5	0.255	1.26

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682-1
Lab Sample ID: 201683007

Client ID: AK1819
Batch ID: 721999
Run Date: 01/29/2008 15:41
Prep Date: 01/28/2008 19:37
Data File: s6a2918.d

Date Collected: 01/24/2008 15:08
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLD1
Aliquot: 30.08 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 17.6
Project: SAIC08507
SOP Ref: GL-04-E-009
Dilution: 1
Inj. Vol: .5 ul.
Final Volume: 1 ml.
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/AQ
83-32-9	Acenaphthene	J	17.5 J	ug/kg	17.5	40.5
129-00-0	Pyrene		69.5 =	ug/kg	17.5	40.5
91-20-3	Naphthalene	U	40.5 U	ug/kg	12.1	40.5
91-57-6	2-Methylnaphthalene	E	165 = F01, ug/kg F08	ug/kg	12.1	40.5
91-58-7	2-Chloronaphthalene	U	40.5 U	ug/kg	12.1	40.5
208-96-8	Acenaphthylene	U	40.5 U	ug/kg	12.1	40.5
86-73-7	Fluorene	J	31.9 J	ug/kg	12.1	40.5
85-01-8	Phenanthrene		136 =	ug/kg	12.1	40.5
120-12-7	Anthracene	J	23.7 J	ug/kg	12.1	40.5
206-44-0	Fluoranthene		125 =	ug/kg	12.1	40.5
56-55-3	Benzo(a)anthracene	U	40.5 U	ug/kg	12.1	40.5
218-01-9	Chrysene	U	40.5 U	ug/kg	12.1	40.5
205-99-2	Benzo(b)fluoranthene	J	21.7 J	ug/kg	12.1	40.5
207-08-9	Benzo(k)fluoranthene	U	40.5 U	ug/kg	12.1	40.5
50-32-8	Benzo(a)pyrene	U	40.5 U	ug/kg	12.1	40.5
193-39-5	Indeno(1,2,3-cd)pyrene	U	40.5 U	ug/kg	12.1	40.5
53-70-3	Dibenzo(a,h)anthracene	U	40.5 U	ug/kg	12.1	40.5
191-24-2	Benzo(ghi)perylene	U	40.5 U	ug/kg	12.1	40.5

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682-1

METHOD TYPE: SW846

SAMPLE ID: 201683007

CLIENT ID: AK1819

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS: 82

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	46.2	mg/kg			MS	0.012	1	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705
Lab Sample ID: 201705001Client ID: AK1919
Batch ID: 724297
Run Date: 02/07/2008 11:24
Prep Date: 01/26/2008 23:24
Data File: 4w344.dDate Collected: 01/25/2008 08:11
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 4.6 g
Column: RTX-VOLATILESMatrix: SOIL
%Moisture: 13.1
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
		U	1.25 <i>u</i>	ug/kg	0.413	1.25
71-43-2	Benzene	J	0.547 <i>J</i>	ug/kg	0.363	1.25
108-88-3	Toluene	J	0.348 <i>J</i>	ug/kg	0.250	1.25
100-41-4	Ethylbenzene		1.76 <i>J</i>	ug/kg	0.250	1.25
1330-20-7	Xylenes (total)					

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705
Lab Sample ID: 201705001

Client ID: AK1919
Batch ID: 722516
Run Date: 01/31/2008 19:22
Prep Date: 01/31/2008 12:56
Data File: s5a3109.d

Date Collected: 01/25/2008 08:11
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 30.62 g
Column: J&W DB-5MS

Matrix: SOIL
%Moisture: 13.1
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.6	ug/kg	12.5	37.6
129-00-0	Pyrene	U	37.6	ug/kg	11.8	37.6
91-20-3	Naphthalene	U	37.6	ug/kg	11.3	37.6
91-57-6	2-Methylnaphthalene	U	37.6	ug/kg	7.51	37.6
91-58-7	2-Chloronaphthalene	U	37.6	ug/kg	13.1	37.6
208-96-8	Acenaphthylene	U	37.6	ug/kg	11.3	37.6
86-73-7	Fluorene	U	37.6	ug/kg	11.3	37.6
85-01-8	Phenanthrene	U	37.6	ug/kg	7.51	37.6
120-12-7	Anthracene	U	37.6	ug/kg	11.3	37.6
206-44-0	Fluoranthene	U	37.6	ug/kg	11.3	37.6
56-55-3	Benzo(a)anthracene	U	37.6	ug/kg	11.3	37.6
218-01-9	Chrysene	U	37.6	ug/kg	11.3	37.6
205-99-2	Benzo(b)fluoranthene	U	37.6	ug/kg	11.3	37.6
207-08-9	Benzo(k)fluoranthene	U	37.6	ug/kg	11.3	37.6
50-32-8	Benzo(a)pyrene	U	37.6	ug/kg	11.3	37.6
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.6	ug/kg	11.3	37.6
53-70-3	Dibenzo(a,h)anthracene	U	37.6	ug/kg	11.3	37.6
191-24-2	Benzo(ghi)perylene	U	37.6	ug/kg	11.3	37.6

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705

METHOD TYPE: SW846

SAMPLE ID: 201705001

CLIENT ID: AK1919

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS: 87

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	2.5	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537-1
Lab Sample ID: 201540006Client ID: AK2019
Batch ID: 723846
Run Date: 02/06/2008 13:29
Prep Date: 01/25/2008 08:46
Data File: 9w309.dDate Collected: 01/23/2008 14:41
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.1
Analyst: RXYI
Aliquot: 5.1 g
Column: RTX-VolatilesMatrix: SOIL
% Moisture: 8.3
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.07 <i>u</i>	ug/kg	0.353	1.07
108-88-3	Toluene	U	1.07 <i>u</i>	ug/kg	0.310	1.07
100-41-4	Ethylbenzene	U	1.07 <i>u</i>	ug/kg	0.214	1.07
1330-20-7	Xylenes (total)	J	0.443 <i>J</i>	ug/kg	0.214	1.07

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682-1
Lab Sample ID: 201683008

Client ID: AK2019
Batch ID: 721999
Run Date: 01/29/2008 16:03
Prep Date: 01/28/2008 19:37
Data File: s6a2919.d

Date Collected: 01/23/2008 14:41
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLD1
Aliquot: 30.09 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 8.3
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDLLOD	PQLLOQ
83-32-9	Acenaphthene	J	29.6 J	ug/kg	12.1	36.2
129-00-0	Pyrene	U	36.2 U	ug/kg	11.4	36.2
91-20-3	Naphthalene	U	36.2 U	ug/kg	10.9	36.2
91-57-6	2-Methylnaphthalene	E	24.5 = F01, ug/kg F08	ug/kg	7.25	36.2
91-58-7	2-Chloronaphthalene	U	36.2 U	ug/kg	12.7	36.2
206-96-8	Acenaphthylene	U	36.2 U	ug/kg	10.9	36.2
86-73-7	Fluorene	J	13.7 J	ug/kg	10.9	36.2
85-01-8	Phenanthrene	U	36.2 U	ug/kg	10.9	36.2
120-12-7	Anthracene	U	36.2	ug/kg	7.25	36.2
206-44-0	Fluoranthene	U	36.2	ug/kg	10.9	36.2
56-55-3	Benzo(a)anthracene	U	36.2	ug/kg	10.9	36.2
218-01-9	Chrysene	U	36.2	ug/kg	10.9	36.2
205-99-2	Benzo(b)fluoranthene	U	36.2	ug/kg	10.9	36.2
207-06-9	Benzo(k)fluoranthene	U	36.2	ug/kg	10.9	36.2
50-32-8	Benzo(a)pyrene	U	36.2	ug/kg	10.9	36.2
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.2	ug/kg	10.9	36.2
53-70-3	Dibenzo(a,h)anthracene	U	36.2	ug/kg	10.9	36.2
191-24-2	Benzo(ghi)perylene	U	36.2	ug/kg	10.9	36.2

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682-1

METHOD TYPE: SW846

SAMPLE ID: 201683008

CLIENT ID: AK2019

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS: 91.7

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	5.9	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537-1
Lab Sample ID: 201540005Client ID: AK2119
Batch ID: 723846
Run Date: 02/04/2008 20:06
Prep Date: 01/25/2008 08:40
Data File: 9w123.dDate Collected: 01/23/2008 13:59
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.1
Analyst: RXY1
Aliquot: 4.7 g
Column: RTX-VolatilesMatrix: SOIL
% Moisture: 7
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USE

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.14 4	ug/kg	0.377	1.14
108-88-3	Toluene	D R 513	1340 =	ug/kg	0.332	1.14
100-41-4	Ethylbenzene	D R 1910	1060 =	ug/kg	0.229	1.14
1330-20-7	Xylenes (total)	D R 12200	2640 =	ug/kg	0.229	1.14

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201537-1
Lab Sample ID: 201540005

Client ID: AK2119
Batch ID: 721999
Run Date: 01/29/2008 13:07
Prep Date: 01/28/2008 19:37
Data File: s6a2911.d

Date Collected: 01/23/2008 13:59
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.I
Analyst: JLD1
Aliquot: 30.08 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 7
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	35.7 <i>u</i>	ug/kg	11.9	35.7
129-00-0	Pyrene	J	15.0 <i>J</i>	ug/kg	11.2	35.7
91-20-3	Naphthalene	U	35.7 <i>u</i>	ug/kg	10.7	35.7
91-57-6	2-Methylnaphthalene	B	44.0 <i>u F01, F07</i>	ug/kg	7.15	35.7
91-58-7	2-Chloronaphthalene	U	35.7 <i>u</i>	ug/kg	12.5	35.7
208-96-8	Acenaphthylene	U	35.7 <i>u</i>	ug/kg	10.7	35.7
86-73-7	Fluorene	J	10.8 <i>J</i>	ug/kg	10.7	35.7
85-01-8	Phenanthrene	J	27.4 <i>J</i>	ug/kg	10.7	35.7
120-12-7	Anthracene	U	35.7 <i>u</i>	ug/kg	7.15	35.7
206-44-0	Fluoranthene	J	24.7 <i>J</i>	ug/kg	10.7	35.7
56-55-3	Benzo(a)anthracene	J	11.5 <i>J</i>	ug/kg	10.7	35.7
218-01-9	Chrysene	U	35.7 <i>u</i>	ug/kg	10.7	35.7
205-99-2	Benzo(h)fluoranthene	U	35.7 <i>u</i>	ug/kg	10.7	35.7
207-08-9	Benzo(k)fluoranthene	U	35.7 <i>u</i>	ug/kg	10.7	35.7
50-32-8	Benzo(a)pyrene	U	35.7 <i>u</i>	ug/kg	10.7	35.7
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.7 <i>u</i>	ug/kg	10.7	35.7
53-70-3	Dibenzo(a,h)anthracene	U	35.7 <i>u</i>	ug/kg	10.7	35.7
191-24-2	Benzo(ghi)perylene	U	35.7 <i>u</i>	ug/kg	10.7	35.7

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537-1

METHOD TYPE: SW846

SAMPLE ID: 201540005

CLIENT ID: AK2119

CONTRACT: SAJC08507

MATRIX:S

DATE RECEIVED 24-JAN-08

LEVEL: Low %SOLIDS: 93

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	11	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705
Lab Sample ID: 201705002Client ID: AK2219
Batch ID: 724297
Run Date: 02/07/2008 11:52
Prep Date: 01/26/2008 23:12
Data File: 4w345.dDate Collected: 01/25/2008 09:13
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA4J
Analyst: ACJ
Aliquot: 4.8 g
Column: RTX-VOLATILESMatrix: SOIL
%Moisture: 12
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.18 <u>u</u>	ug/kg	0.391	1.18
108-88-3	Toluene	U	1.18 <u>↓</u>	ug/kg	0.343	1.18
100-41-4	Ethylbenzene	U	1.18 <u>↓</u>	ug/kg	0.237	1.18
1330-20-7	Xylenes (total)		1.74 <u>=</u>	ug/kg	0.237	1.18

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705
Lab Sample ID: 201705002

Client ID: AK2219
Batch ID: 722516
Run Date: 01/31/2008 20:24
Prep Date: 01/31/2008 12:56
Data File: s5a3112.d

Date Collected: 01/25/2008 09:13
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 30.32 g
Column: J&W DB-SMS

Matrix: SOIL
%Moisture: 12
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.5 <i>u</i>	ug/kg	12.5	37.5
129-00-0	Pyrene	U	37.5 <i>u</i>	ug/kg	11.8	37.5
91-20-3	Naphthalene		142 <i>=</i>	ug/kg	11.2	37.5
91-57-6	2-Methylnaphthalene		164 <i>=</i>	ug/kg	7.49	37.5
91-58-7	2-Chloronaphthalene	U	37.5 <i>u</i>	ug/kg	13.1	37.5
208-96-8	Acenaphthylene	U	37.5 <i>u</i>	ug/kg	11.2	37.5
86-73-7	Fluorene		90.3 <i>=</i>	ug/kg	11.2	37.5
85-01-8	Phenanthrene	J	19.2 <i>J</i>	ug/kg	11.2	37.5
120-12-7	Anthracene	U	37.5 <i>u</i>	ug/kg	7.49	37.5
206-44-0	Fluoranthene	U	37.5	ug/kg	11.2	37.5
56-55-3	Benzo(a)anthracene	U	37.5	ug/kg	11.2	37.5
218-01-9	Chrysene	U	37.5	ug/kg	11.2	37.5
205-99-2	Benzo(b)fluoranthene	U	37.5	ug/kg	11.2	37.5
207-08-9	Benzo(k)fluoranthene	U	37.5	ug/kg	11.2	37.5
50-32-8	Benzo(a)pyrene	U	37.5	ug/kg	11.2	37.5
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.5	ug/kg	11.2	37.5
53-70-3	Dibenzo(a,h)anthracene	U	37.5	ug/kg	11.2	37.5
191-24-2	Benzo(ghi)perylene	U	37.5	ug/kg	11.2	37.5

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705

METHOD TYPE: SW846

SAMPLE ID: 201705002

CLIENT ID: AK2219

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS: 88

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	35.2	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705
Lab Sample ID: 201705003Client ID: AK2213
Batch ID: 724297
Run Date: 02/07/2008 12:19
Prep Date: 01/26/2008 23:18
Data File: 4w346.d

DUPLICATE

Date Collected: 01/25/2008 09:13
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 5 g
Column: RTX-VOLATILESMatrix: SOIL
%Moisture: 12.1
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.14 $\downarrow$	ug/kg	0.375	1.14
108-88-3	Toluene	U	1.14 $\downarrow$	ug/kg	0.330	1.14
100-41-4	Ethylbenzene	U	1.14 $\downarrow$	ug/kg	0.227	1.14
1330-20-7	Xylenes (total)		2.03 $\equiv$	ug/kg	0.227	1.14

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705
Lab Sample ID: 201705003

Client ID: AK2213 **DUPLICATE**
Batch ID: 722516
Run Date: 01/31/2008 20:44
Prep Date: 01/31/2008 12:56
Data File: s5a3113.d

Date Collected: 01/25/2008 09:13
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 30.54 g
Column: J&W DB-SMS

Matrix: SOIL
%Moisture: 12.1
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.2 <i>u</i>	ug/kg	12.4	37.2
129-00-0	Pyrene	U	37.2 <i>u</i>	ug/kg	11.7	37.2
91-20-3	Naphthalene		48.5 =	ug/kg	11.2	37.2
91-57-6	2-Methylnaphthalene		69.8 =	ug/kg	7.45	37.2
91-58-7	2-Chloronaphthalene	U	37.2 <i>u</i>	ug/kg	13.0	37.2
208-96-8	Acenaphthylene	U	37.2 <i>u</i>	ug/kg	11.2	37.2
86-73-7	Fluorene		40.2 =	ug/kg	11.2	37.2
85-01-8	Phenanthrene	U	37.2 <i>u</i>	ug/kg	11.2	37.2
120-12-7	Anthracene	U	37.2	ug/kg	7.45	37.2
206-44-0	Fluoranthene	U	37.2	ug/kg	11.2	37.2
56-55-3	Benzo(a)anthracene	U	37.2	ug/kg	11.2	37.2
218-01-9	Chrysene	U	37.2	ug/kg	11.2	37.2
205-99-2	Benzo(b)fluoranthene	U	37.2	ug/kg	11.2	37.2
207-08-9	Benzo(k)fluoranthene	U	37.2	ug/kg	11.2	37.2
50-32-8	Benzo(a)pyrene	U	37.2	ug/kg	11.2	37.2
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.2	ug/kg	11.2	37.2
53-70-3	Dibenzo(a,h)anthracene	U	37.2	ug/kg	11.2	37.2
191-24-2	Benzo(ghi)perylene	U	37.2	ug/kg	11.2	37.2

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705

METHOD TYPE: SW846

SAMPLE ID: 201705003

CLIENT ID: AK2213

DUPLICATE

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS: 88

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	31.6	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705
Lab Sample ID: 201705004Client ID: AK2319
Batch ID: 724297
Run Date: 02/08/2008 12:42
Prep Date: 01/26/2008 23:46
Data File: 4w509.dDate Collected: 01/25/2008 10:40
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA4.I
Analyst: ACJ
Aliquot: 4.3 g
Column: RTX-VOLATILESMatrix: SOIL
%Moisture: 7.7
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.26 <u>u</u>	ug/kg	0.416	1.26
108-88-3	Toluene	U	1.26 <u>u</u>	ug/kg	0.365	1.26
100-41-4	Ethylbenzene		64.1 <u>=</u>	ug/kg	0.252	1.26
1330-20-7	Xylenes (total)		141 <u>=</u>	ug/kg	0.252	1.26

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705
Lab Sample ID: 201705004

Client ID: AK2319
Batch ID: 722516
Run Date: 01/31/2008 21:05
Prep Date: 01/31/2008 12:56
Data File: s5a3114.d

Date Collected: 01/25/2008 10:40
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 30.07 g
Column: J&W DB-5MS

Matrix: SOIL
%Moisture: 7.7
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	36.0 <i>u</i>	ug/kg	12.0	36.0
129-00-0	Pyrene	U	36.0 <i>u</i>	ug/kg	11.3	36.0
91-20-3	Naphthalene		45.7 <i>=</i>	ug/kg	10.8	36.0
91-57-6	2-Methylnaphthalene		76.2 <i>=</i>	ug/kg	7.21	36.0
91-58-7	2-Chloronaphthalene	U	36.0 <i>u</i>	ug/kg	12.6	36.0
208-96-8	Acenaphthylene	U	36.0 <i>u</i>	ug/kg	10.8	36.0
86-73-7	Fluorene	J	33.4 <i>J</i>	ug/kg	10.8	36.0
85-01-8	Phenanthrene	J	18.8 <i>J</i>	ug/kg	10.8	36.0
120-12-7	Anthracene	U	36.0 <i>u</i>	ug/kg	7.21	36.0
206-44-0	Fluoranthene	J	15.2 <i>J</i>	ug/kg	10.8	36.0
206-44-0	Benzo(a)anthracene	U	36.0 <i>u</i>	ug/kg	10.8	36.0
56-55-3	Benzo(a)anthracene	U	36.0 <i>u</i>	ug/kg	10.8	36.0
218-01-9	Chrysene	U	36.0 <i>u</i>	ug/kg	10.8	36.0
205-99-2	Benzo(b)fluoranthene	U	36.0 <i>u</i>	ug/kg	10.8	36.0
207-08-9	Benzo(k)fluoranthene	U	36.0 <i>u</i>	ug/kg	10.8	36.0
50-32-8	Benzo(a)pyrene	U	36.0 <i>u</i>	ug/kg	10.8	36.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.0 <i>u</i>	ug/kg	10.8	36.0
53-70-3	Dibenzo(a,h)anthracene	U	36.0 <i>u</i>	ug/kg	10.8	36.0
191-24-2	Benzo(ghi)perylene	U	36.0 <i>u</i>	ug/kg	10.8	36.0

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705

METHOD TYPE: SW846

SAMPLE ID: 201705004

CLIENT ID: AK2319

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS: 92.3

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	18.8	mg/kg			MS	0.01	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705
Lab Sample ID: 201705005Client ID: AK2419
Batch ID: 724297
Run Date: 02/07/2008 13:42
Prep Date: 01/26/2008 23:30
Data File: 4w349.dDate Collected: 01/25/2008 11:38
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA4.I
Analyst: ACJ
Aliquot: 5 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 7.8
Project: SAIC08507
SOP Ref: G1-0A-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USE

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.08 <i>u</i>	ug/kg	0.358	1.08
108-88-3	Toluene	J	1.05 <i>J</i>	ug/kg	0.314	1.08
100-41-4	Ethylbenzene		96.6 <i>=</i>	ug/kg	0.217	1.08
1330-20-7	Xylenes (total)	<i>D E 401 346 =</i>		ug/kg	0.217	1.08

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705
Lab Sample ID: 201705005

Client ID: AK2419
Batch ID: 722516
Run Date: 01/31/2008 21:26
Prep Date: 01/31/2008 12:56
Data File: s5a3115.d

Date Collected: 01/25/2008 11:38
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.1
Analyst: BJB1
Aliquot: 30.26 g
Column: J&W DB-SMS

Matrix: SOIL
%Moisture: 7.8
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	35.8 <i>u</i>	ug/kg	12.0	35.8
129-00-0	Pyrene	J	28.2 <i>J</i>	ug/kg	11.2	35.8
91-20-3	Naphthalene	J	24.5 <i>J</i>	ug/kg	10.7	35.8
91-57-6	2-Methylnaphthalene		42.7 =	ug/kg	7.17	35.8
91-58-7	2-Chloronaphthalene	U	35.8 <i>u</i>	ug/kg	12.5	35.8
208-96-8	Acenaphthylene	U	35.8 <i>↓</i>	ug/kg	10.7	35.8
86-73-7	Fluorene	U	35.8 <i>↓</i>	ug/kg	10.7	35.8
85-01-8	Phenanthrene		47.6 =	ug/kg	10.7	35.8
120-12-7	Anthracene	J	7.18 <i>J</i>	ug/kg	7.17	35.8
206-44-0	Fluoranthene		39.1 =	ug/kg	10.7	35.8
56-55-3	Benzo(a)anthracene	J	17.4 <i>J</i>	ug/kg	10.7	35.8
218-01-9	Chrysene	U	35.8 <i>u</i>	ug/kg	10.7	35.8
205-99-2	Benzo(b)fluoranthene	U	35.8 <i>↓</i>	ug/kg	10.7	35.8
207-08-9	Benzo(k)fluoranthene	U	35.8 <i>↓</i>	ug/kg	10.7	35.8
50-32-8	Benzo(a)pyrene	U	35.8 <i>↓</i>	ug/kg	10.7	35.8
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.8 <i>↓</i>	ug/kg	10.7	35.8
53-70-3	Dibenzo(a,h)anthracene	U	35.8 <i>↓</i>	ug/kg	10.7	35.8
191-24-2	Benzo(ghi)perylene	U	35.8 <i>↓</i>	ug/kg	10.7	35.8

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705

METHOD TYPE: SW846

SAMPLE ID: 201705005

CLIENT ID: AK2419

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS: 92.2

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	25.8	mg/kg			MS	0.011	2	ICPMS5	080204-1

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705
Lab Sample ID: 201705006Client ID: AK2519
Batch ID: 724297
Run Date: 02/07/2008 12:47
Prep Date: 01/26/2008 23:36
Data File: 4w347.dDate Collected: 01/25/2008 13:06
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA4.I
Analyst: ACJ
Aliquot: 5.5 g
Column: RTX-VOLATILESMatrix: SOIL
%Moisture: 12.3
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.04 <i>u</i>	ug/kg	0.342	1.04
108-88-3	Toluene	U	1.04 <i>↓</i>	ug/kg	0.301	1.04
100-41-4	Ethylbenzene	U	1.04 <i>↓</i>	ug/kg	0.207	1.04
1330-20-7	Xylenes (total)	J	0.662 <i>J</i>	ug/kg	0.207	1.04

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705
Lab Sample ID: 201705006

Client ID: AK2519
Batch ID: 722516
Run Date: 01/31/2008 21:46
Prep Date: 01/31/2008 12:56
Data File: s5a3116.d

Date Collected: 01/25/2008 13:06
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 30.94 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 12.3
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	36.9 <i>U</i>	ug/kg	12.3	36.9
129-00-0	Pyrene	U	36.9	ug/kg	11.6	36.9
91-20-3	Naphthalene	U	36.9	ug/kg	11.1	36.9
91-57-6	2-Methylnaphthalene	U	36.9	ug/kg	7.37	36.9
91-58-7	2-Chloronaphthalene	U	36.9	ug/kg	12.9	36.9
208-96-8	Acenaphthylene	U	36.9	ug/kg	11.1	36.9
86-73-7	Fluorene	U	36.9	ug/kg	11.1	36.9
85-01-8	Phenanthrene	U	36.9	ug/kg	11.1	36.9
120-12-7	Anthracene	U	36.9	ug/kg	7.37	36.9
206-44-0	Fluoranthene	U	36.9	ug/kg	11.1	36.9
56-55-3	Benzo(a)anthracene	U	36.9	ug/kg	11.1	36.9
218-01-9	Chrysene	U	36.9	ug/kg	11.1	36.9
205-99-2	Benzo(b)fluoranthene	U	36.9	ug/kg	11.1	36.9
207-08-9	Benzo(k)fluoranthene	U	36.9	ug/kg	11.1	36.9
50-32-8	Benzo(a)pyrene	U	36.9	ug/kg	11.1	36.9
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.9	ug/kg	11.1	36.9
53-70-3	Dibenzo(a,h)anthracene	U	36.9	ug/kg	11.1	36.9
191-24-2	Benzo(ghi)perylene	U	36.9 <i>U</i>	ug/kg	11.1	36.9

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705

METHOD TYPE: SW846

SAMPLE ID: 201705006

CLIENT ID: AK2519

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS: 88

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	6.5	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705
Lab Sample ID: 201705007Client ID: AK2619
Batch ID: 724297
Run Date: 02/07/2008 13:14
Prep Date: 01/26/2008 23:42
Data File: 4w348.dDate Collected: 01/25/2008 14:25
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA4.I
Analyst: ACJ
Aliquot: 5 g
Column: RTX-VOLATILESMatrix: SOIL
%Moisture: 7.8
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	J	0.609 J	ug/kg	0.358	1.08
108-88-3	Toluene	J	0.857 ↓	ug/kg	0.315	1.08
100-41-4	Ethylbenzene	J	0.781 ↓	ug/kg	0.217	1.08
1330-20-7	Xylenes (total)		3.41 =	ug/kg	0.217	1.08

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705
Lab Sample ID: 201705007

Client ID: AK2619
Batch ID: 722516
Run Date: 01/31/2008 22:07
Prep Date: 01/31/2008 12:56
Data File: sSa3117.d

Date Collected: 01/25/2008 14:25
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 30.53 g
Column: J&W DB-SMS

Matrix: SOIL
% Moisture: 7.8
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	35.5	ug/kg	11.9	35.5
129-00-0	Pyrene	U	35.5	ug/kg	11.2	35.5
91-20-3	Naphthalene	U	35.5	ug/kg	10.7	35.5
91-57-6	2-Methylnaphthalene	U	35.5	ug/kg	7.11	35.5
91-58-7	2-Chloronaphthalene	U	35.5	ug/kg	12.4	35.5
208-96-8	Acenaphthylene	U	35.5	ug/kg	10.7	35.5
86-73-7	Fluorene	U	35.5	ug/kg	10.7	35.5
85-01-8	Phenanthrene	U	35.5	ug/kg	7.11	35.5
120-12-7	Anthracene	U	35.5	ug/kg	10.7	35.5
206-44-0	Fluoranthene	U	35.5	ug/kg	10.7	35.5
56-55-3	Benzo(a)anthracene	U	35.5	ug/kg	10.7	35.5
218-01-9	Chrysene	U	35.5	ug/kg	10.7	35.5
205-99-2	Benzo(b)fluoranthene	U	35.5	ug/kg	10.7	35.5
207-08-9	Benzo(k)fluoranthene	U	35.5	ug/kg	10.7	35.5
50-32-8	Benzo(a)pyrene	U	35.5	ug/kg	10.7	35.5
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.5	ug/kg	10.7	35.5
53-70-3	Dibenzo(a,h)anthracene	U	35.5	ug/kg	10.7	35.5
191-24-2	Benzo(ghi)perylene	U	35.5	ug/kg	10.7	35.5

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705

METHOD TYPE: SW846

SAMPLE ID: 201705007

CLIENT ID: AK2619

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS: 92.2

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	2.5	mg/kg			MS	0.011	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709
Lab Sample ID: 201709001Client ID: AK2719
Batch ID: 724727
Run Date: 02/08/2008 00:25
Prep Date: 01/27/2008 21:20
Data File: 6w414.dDate Collected: 01/26/2008 08:28
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.I
Analyst: DXR1
Aliquot: 5 g
Column: DB-624Matrix: SOIL
% Moisture: 7.5
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

VSR

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		1.30 =	ug/kg	0.357	1.08
108-88-3	Toluene		44.5 =	ug/kg	0.313	1.08
100-41-4	Ethylbenzene		72.2 =	ug/kg	0.216	1.08
1330-20-7	Xylenes (total)	0	348 401 =	ug/kg	0.216	1.08

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201709
Lab Sample ID: 201709001

Client ID: AK2719
Batch ID: 722516
Run Date: 01/31/2008 22:28
Prep Date: 01/31/2008 12:56
Data File: s5a3118.d

Date Collected: 01/26/2008 08:28
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 30.52 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 7.5
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	35.4	ug/kg	11.8	35.4
129-00-0	Pyrene	U	35.4	ug/kg	11.1	35.4
91-20-3	Naphthalene	U	35.4	ug/kg	10.6	35.4
91-57-6	2-Methylnaphthalene	J	7.96	ug/kg	7.08	35.4
91-58-7	2-Chloronaphthalene	U	35.4	ug/kg	12.4	35.4
208-96-8	Acenaphthylene	U	35.4	ug/kg	10.6	35.4
86-73-7	Fluorene	U	35.4	ug/kg	10.6	35.4
85-01-8	Phenanthrene	U	35.4	ug/kg	10.6	35.4
120-12-7	Anthracene	U	35.4	ug/kg	7.08	35.4
206-44-0	Fluoranthene	U	35.4	ug/kg	10.6	35.4
56-55-3	Benzo(a)anthracene	U	35.4	ug/kg	10.6	35.4
218-01-9	Chrysene	U	35.4	ug/kg	10.6	35.4
205-99-2	Benzo(h)fluoranthene	U	35.4	ug/kg	10.6	35.4
207-08-9	Benzo(k)fluoranthene	U	35.4	ug/kg	10.6	35.4
50-32-8	Benzo(a)pyrene	U	35.4	ug/kg	10.6	35.4
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.4	ug/kg	10.6	35.4
53-70-3	Dibenzo(a,h)anthracene	U	35.4	ug/kg	10.6	35.4
191-24-2	Benzo(ghi)perylene	U	35.4	ug/kg	10.6	35.4

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709

METHOD TYPE: SW846

SAMPLE ID: 201709001

CLIENT ID: AK2719

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS: 92.5

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	13.3	mg/kg		N	MS	0.01	2	ICPMS6	080201-1

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709
Lab Sample ID: 201709002

Client ID: AK2819
Batch ID: 724727
Run Date: 02/09/2008 01:10
Prep Date: 01/27/2008 21:28
Data File: 6w516.d

Date Collected: 01/26/2008 09:40
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.1
Analyst: DXR1
Aliquot: 4.6 g
Column: DB-624

Matrix: SOIL
%Moisture: 5.1
Project: SAIC08507
SOP Ref: G1-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.15 <u>u</u>	ug/kg	0.378	1.15
108-88-3	Toluene		6.95 <u>=</u>	ug/kg	0.332	1.15
100-41-4	Ethylbenzene		9.61 <u>=</u>	ug/kg	0.229	1.15
1330-20-7	Xylenes (total)		68.6 <u>=</u>	ug/kg	0.229	1.15

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709
Lab Sample ID: 201709002

Client ID: AK2819
Batch ID: 722516
Run Date: 01/31/2008 22:49
Prep Date: 01/31/2008 12:56
Data File: s5a3119.d

Date Collected: 01/26/2008 09:40
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.1
Analyst: RJB1
Aliquot: 30.31 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 5.1
Project: SAIC08507
SOP Ref: GI-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	34.8 <i>u</i>	ug/kg	11.6	34.8
129-00-0	Pyrene	U	34.8 <i>u</i>	ug/kg	10.9	34.8
91-20-3	Naphthalene		36.6 <i>=</i>	ug/kg	10.4	34.8
91-57-6	2-Methylnaphthalene		52.3 <i>=</i>	ug/kg	6.96	34.8
91-58-7	2-Chloronaphthalene	U	34.8 <i>u</i>	ug/kg	12.2	34.8
208-96-8	Acenaphthylene	U	34.8 <i>u</i>	ug/kg	10.4	34.8
86-73-7	Fluorene	J	30.3 <i>J</i>	ug/kg	10.4	34.8
85-01-8	Phenanthrene	U	34.8 <i>u</i>	ug/kg	10.4	34.8
120-12-7	Anthracene	U	34.8	ug/kg	6.96	34.8
206-44-0	Fluoranthene	U	34.8	ug/kg	10.4	34.8
56-55-3	Benzo(a)anthracene	U	34.8	ug/kg	10.4	34.8
218-01-9	Chrysene	U	34.8	ug/kg	10.4	34.8
205-99-2	Benzo(b)fluoranthene	U	34.8	ug/kg	10.4	34.8
207-08-9	Benzo(k)fluoranthene	U	34.8	ug/kg	10.4	34.8
50-32-8	Benzo(a)pyrene	U	34.8	ug/kg	10.4	34.8
193-39-5	Indeno(1,2,3-cd)pyrene	U	34.8	ug/kg	10.4	34.8
53-70-3	Dibenzo(a,h)anthracene	U	34.8	ug/kg	10.4	34.8
191-24-2	Benzo(ghi)perylene	U	34.8	ug/kg	10.4	34.8

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709

METHOD TYPE: SW846

SAMPLE ID: 201709002

CLIENT ID: AK2819

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS: 94.9

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	7.7	mg/kg		N	MS	0.01	2	ICPMS6	080201-1

Σ ID1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709
Lab Sample ID: 201709003Client ID: AK2919
Batch ID: 724727
Run Date: 02/08/2008 01:23
Prep Date: 01/27/2008 21:32
Data File: 6w416.dDate Collected: 01/26/2008 10:30
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.I
Analyst: DXR1
Aliquot: 4.5 g
Column: DB-624Matrix: SOIL
% Moisture: 7
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USE

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.19 <i>u</i>	ug/kg	0.394	1.19
108-88-3	Toluene	<i>DJ</i> E <i>41.3</i> <i>1000</i> <i>J</i>	<i>41.3</i>	ug/kg	0.346	1.19
100-41-4	Ethylbenzene	<i>DJ</i> E <i>25.6</i> <i>1000</i> <i>J</i>	<i>25.6</i>	ug/kg	0.239	1.19
1330-20-7	Xylenes (total)	<i>D</i> S <i>194</i> <i>320</i> <i>=</i>	<i>194</i>	ug/kg	0.239	1.19

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709
Lab Sample ID: 201709003

Client ID: AK2919
Batch ID: 722516
Run Date: 01/31/2008 23:09
Prep Date: 01/31/2008 12:56
Data File: s5a3120.d

Date Collected: 01/26/2008 10:30
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 30.29 g
Column: J&W DB-SMS

Matrix: SOIL
% Moisture: 7
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	35.5 <i>u</i>	ug/kg	11.9	35.5
129-00-0	Pyrene	J	14.7 <i>J</i>	ug/kg	11.1	35.5
91-20-3	Naphthalene		67.5 <i>=</i>	ug/kg	10.6	35.5
91-57-6	2-Methylnaphthalene		83.5 <i>=</i>	ug/kg	7.10	35.5
91-58-7	2-Chloronaphthalene	U	35.5 <i>u</i>	ug/kg	12.4	35.5
208-96-8	Acenaphthylene	U	35.5 <i>u</i>	ug/kg	10.6	35.5
86-73-7	Fluorene	J	31.8 <i>J</i>	ug/kg	10.6	35.5
85-01-8	Phenanthrene	J	27.5 <i>J</i>	ug/kg	10.6	35.5
120-12-7	Anthracene	U	35.5 <i>u</i>	ug/kg	7.10	35.5
206-44-0	Fluoranthene	J	24.5 <i>J</i>	ug/kg	10.6	35.5
56-55-3	Benzo(a)anthracene	J	13.4 <i>J</i>	ug/kg	10.6	35.5
218-01-9	Chrysene	U	35.5 <i>u</i>	ug/kg	10.6	35.5
205-99-2	Benzo(h)fluoranthene	U	35.5	ug/kg	10.6	35.5
207-08-9	Benzo(k)fluoranthene	U	35.5	ug/kg	10.6	35.5
50-32-8	Benzo(a)pyrene	U	35.5	ug/kg	10.6	35.5
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.5	ug/kg	10.6	35.5
53-70-3	Dibenzo(a,h)anthracene	U	35.5	ug/kg	10.6	35.5
191-24-2	Benzo(ghi)perylene	U	35.5	ug/kg	10.6	35.5

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709

METHOD TYPE: SW846

SAMPLE ID: 201709003

CLIENT ID: AK2919

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS: 93

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	12.2	mg/kg		N	MS	0.011	2	ICPMS6	080201-1

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709
Lab Sample ID: 201709004Client ID: AK3019
Batch ID: 724727
Run Date: 02/09/2008 02:37
Prep Date: 01/27/2008 21:14
Data File: 6w519.dDate Collected: 01/26/2008 11:40
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.I
Analyst: DXR1
Aliquot: 4.6 g
Column: DB-624Matrix: SOIL
% Moisture: 12.7
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USE

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.24	ug/kg	0.411	1.24
108-88-3	Toluene		7.59	ug/kg	0.361	1.24
100-41-4	Ethylbenzene		D E 1690 1600	ug/kg	0.249	1.24
1330-20-7	Xylenes (total)		D E 5570 5570	ug/kg	0.249	1.24

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709
Lab Sample ID: 201709004

Client ID: AK3019
Batch ID: 722516
Run Date: 01/31/2008 23:30
Prep Date: 01/31/2008 12:56
Data File: s5a3121.d

Date Collected: 01/26/2008 11:40
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 30.03 g
Column: J&W DB-5MS

Matrix: SOIL
%Moisture: 12.7
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	J	28.9 J	ug/kg	12.7	38.1
129-00-0	Pyrene		95.1 =	ug/kg	12.0	38.1
91-20-3	Naphthalene		100 ↓	ug/kg	11.4	38.1
91-57-6	2-Methylnaphthalene		120 ↓	ug/kg	7.63	38.1
91-58-7	2-Chloronaphthalene	U	38.1 U	ug/kg	13.3	38.1
208-96-8	Acenaphthylene	U	38.1 U	ug/kg	11.4	38.1
86-73-7	Fluorene	J	34.2 J	ug/kg	11.4	38.1
85-01-8	Phenanthrene		175 =	ug/kg	11.4	38.1
120-12-7	Anthracene	J	37.4 J	ug/kg	7.63	38.1
206-44-0	Fluoranthene		172 =	ug/kg	11.4	38.1
56-55-3	Benzo(a)anthracene		53.9 =	ug/kg	11.4	38.1
218-01-9	Chrysene	J	28.2 J	ug/kg	11.4	38.1
205-99-2	Benzo(b)fluoranthene		38.8 =	ug/kg	11.4	38.1
207-08-9	Benzo(k)fluoranthene	U	38.1 U	ug/kg	11.4	38.1
50-32-8	Benzo(a)pyrene	U	38.1 ↓	ug/kg	11.4	38.1
193-39-5	Indeno(1,2,3-cd)pyrene	U	38.1 ↓	ug/kg	11.4	38.1
53-70-3	Dibenzo(a,h)anthracene	U	38.1 ↓	ug/kg	11.4	38.1
191-24-2	Benzo(ghi)perylene	U	38.1 ↓	ug/kg	11.4	38.1

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709

METHOD TYPE: SW846

SAMPLE ID: 201709004

CLIENT ID: AK3019

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS: 87

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	17.1	mg/kg		N	MS	0.011	2	ICPMS6	080201-1

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709
Lab Sample ID: 201709005Client ID: AK3119
Batch ID: 724727
Run Date: 02/08/2008 23:43
Prep Date: 01/27/2008 20:52
Data File: 6w513.dDate Collected: 01/26/2008 13:10
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.1
Analyst: DXR1
Aliquot: 4.7 g
Column: DB-624Matrix: SOIL
% Moisture: 14.1
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.24 <i>u</i>	ug/kg	0.409	1.24
108-88-3	Toluene	U	1.24 <i>u</i>	ug/kg	0.359	1.24
100-41-4	Ethylbenzene	U	1.24 <i>u</i>	ug/kg	0.248	1.24
1330-20-7	Xylenes (total)	J	0.931 <i>J 601</i>	ug/kg	0.248	1.24

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201709
Lab Sample ID: 201709005

Client ID: AK3119
Batch ID: 722516
Run Date: 01/31/2008 23:51
Prep Date: 01/31/2008 12:56
Data File: s5a3122.d

Date Collected: 01/26/2008 13:10
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.1
Analyst: BJB1
Aliquot: 30.38 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 14.1
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	38.3	ug/kg	12.8	38.3
129-00-0	Pyrene	U	38.3	ug/kg	12.0	38.3
91-20-3	Naphthalene	U	38.3	ug/kg	11.5	38.3
91-57-6	2-Methylnaphthalene	U	38.3	ug/kg	7.67	38.3
91-58-7	2-Chloronaphthalene	U	38.3	ug/kg	13.4	38.3
208-96-8	Acenaphthylene	U	38.3	ug/kg	11.5	38.3
86-73-7	Fluorene	U	38.3	ug/kg	11.5	38.3
85-01-8	Phenanthrene	U	38.3	ug/kg	11.5	38.3
120-12-7	Anthracene	U	38.3	ug/kg	7.67	38.3
206-44-0	Fluoranthene	U	38.3	ug/kg	11.5	38.3
56-55-3	Benzo(a)anthracene	U	38.3	ug/kg	11.5	38.3
218-01-9	Chrysene	U	38.3	ug/kg	11.5	38.3
205-99-2	Benzo(h)fluoranthene	U	38.3	ug/kg	11.5	38.3
207-08-9	Benzo(k)fluoranthene	U	38.3	ug/kg	11.5	38.3
50-32-8	Benzo(a)pyrene	U	38.3	ug/kg	11.5	38.3
193-39-5	Indeno(1,2,3-cd)pyrene	U	38.3	ug/kg	11.5	38.3
53-70-3	Dibenzo(a,h)anthracene	U	38.3	ug/kg	11.5	38.3
191-24-2	Benzo(ghi)perylene	U	38.3	ug/kg	11.5	38.3

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709

METHOD TYPE: SW846

SAMPLE ID: 201709005

CLIENT ID: AK3119

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS: 86

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	2.2	mg/kg		N	MS	0.011	2	ICPMS6	080201-1

J 101

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744
Lab Sample ID: 201744001Client ID: AK3219
Batch ID: 724727
Run Date: 02/08/2008 05:14
Prep Date: 01/29/2008 06:45
Data File: 6w424.dDate Collected: 01/27/2008 08:24
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.1
Analyst: DXR1
Aliquot: 6 g
Column: DB-624Matrix: SOIL
% Moisture: 11.2
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USP

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	0.939 U	ug/kg	0.310	0.939
108-88-3	Toluene	D E 1110 497 =		ug/kg	0.272	0.939
100-41-4	Ethylbenzene	D E 2390 644 =		ug/kg	0.188	0.939
1330-20-7	Xylenes (total)	D E 8810 1600 =		ug/kg	0.188	0.939

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744
Lab Sample ID: 201744001

Client ID: AK3219
Batch ID: 722159
Run Date: 01/30/2008 12:46
Prep Date: 01/29/2008 19:10
Data File: s6a3011.d

Date Collected: 01/27/2008 08:24
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLD1
Aliquot: 30.03 g
Column: J&W DB-5MS

Matrix: SOIL
%Moisture: 11.2
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.5 <i>u</i>	ug/kg	12.5	37.5
129-00-0	Pyrene	J	28.8 <i>J</i>	ug/kg	11.8	37.5
91-20-3	Naphthalene	U	37.5 <i>u</i>	ug/kg	11.3	37.5
91-57-6	2-Methylnaphthalene	J	9.24 <i>J</i>	ug/kg	7.50	37.5
91-58-7	2-Chloronaphthalene	U	37.5 <i>u</i>	ug/kg	13.1	37.5
208-96-8	Acenaphthylene	U	37.5 <i>u</i>	ug/kg	11.3	37.5
86-73-7	Fluorene	U	37.5 <i>u</i>	ug/kg	11.3	37.5
85-01-8	Phenanthrene	J	34.1 <i>J</i>	ug/kg	11.3	37.5
120-12-7	Anthracene	U	37.5 <i>u</i>	ug/kg	7.50	37.5
206-44-0	Fluoranthene		48.3 <i>=</i>	ug/kg	11.3	37.5
56-55-3	Benzo(a)anthracene	U	37.5 <i>u</i>	ug/kg	11.3	37.5
218-01-9	Chrysene	J	16.2 <i>J</i>	ug/kg	11.3	37.5
205-99-2	Benzo(h)fluoranthene	U	37.5 <i>u</i>	ug/kg	11.3	37.5
207-08-9	Benzo(k)fluoranthene	U	37.5 <i>u</i>	ug/kg	11.3	37.5
50-32-8	Benzo(a)pyrene	U	37.5 <i>u</i>	ug/kg	11.3	37.5
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.5 <i>u</i>	ug/kg	11.3	37.5
53-70-3	Dibenzo(a,h)anthracene	U	37.5 <i>u</i>	ug/kg	11.3	37.5
191-24-2	Benzo(ghi)perylene	U	37.5 <i>u</i>	ug/kg	11.3	37.5

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744

METHOD TYPE: SW846

SAMPLE ID: 201744001

CLIENT ID: AK3219

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS: 89

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	14.3	mg/kg			MS	0.011	2	ICPMS6	080201-1
	J	IOI								

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744
Lab Sample ID: 201744002Client ID: AK3319
Batch ID: 724727
Run Date: 02/08/2008 03:19
Prep Date: 01/29/2008 06:55
Data File: 6w420.dDate Collected: 01/27/2008 09:17
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.1
Analyst: DXR1
Aliquot: 4.9 g
Column: DB-624Matrix: SOIL
%Moisture: 6.6
Project: SAIC08507
SOP Ref: G1.-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.09 <i>u</i>	ug/kg	0.360	1.09
108-88-3	Toluene		38.6 <i>=</i>	ug/kg	0.317	1.09
100-41-4	Ethylbenzene		43.8 <i>=</i>	ug/kg	0.218	1.09
1330-20-7	Xylenes (total)		141 <i>=</i>	ug/kg	0.218	1.09

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744
Lab Sample ID: 201744002

Client ID: AK3319
Batch ID: 722159
Run Date: 01/30/2008 13:51
Prep Date: 01/29/2008 19:10
Data File: s6a3014.d

Date Collected: 01/27/2008 09:17
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLD1
Aliquot: 30.01 g
Column: J&W DB-5MS

Matrix: SOIL
%Moisture: 6.6
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	35.7 <i>u</i>	ug/kg	11.9	35.7
129-00-0	Pyrene	J	18.1 <i>J</i>	ug/kg	11.2	35.7
91-20-3	Naphthalene	U	35.7 <i>u</i>	ug/kg	10.7	35.7
91-57-6	2-Methylnaphthalene	J	26.1 <i>J</i>	ug/kg	7.13	35.7
91-58-7	2-Chloronaphthalene	U	35.7 <i>u</i>	ug/kg	12.5	35.7
208-96-8	Acenaphthylene	U	35.7 <i>↓</i>	ug/kg	10.7	35.7
86-73-7	Fluorene	U	35.7 <i>↓</i>	ug/kg	10.7	35.7
85-01-8	Phenanthrene	J	27.3 <i>J</i>	ug/kg	10.7	35.7
120-12-7	Anthracene	U	35.7 <i>u</i>	ug/kg	7.13	35.7
206-44-0	Fluoranthene	J	28.6 <i>J</i>	ug/kg	10.7	35.7
56-55-3	Benzo(a)anthracene	U	35.7 <i>u</i>	ug/kg	10.7	35.7
218-01-9	Chrysene	U	35.7 <i>↓</i>	ug/kg	10.7	35.7
205-99-2	Benzo(h)fluoranthene	U	35.7 <i>↓</i>	ug/kg	10.7	35.7
207-08-9	Benzo(k)fluoranthene	U	35.7 <i>↓</i>	ug/kg	10.7	35.7
50-32-8	Benzo(a)pyrene	U	35.7 <i>↓</i>	ug/kg	10.7	35.7
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.7 <i>↓</i>	ug/kg	10.7	35.7
53-70-3	Dibenzo(a,h)anthracene	U	35.7 <i>↓</i>	ug/kg	10.7	35.7
191-24-2	Benzo(ghi)perylene	U	35.7 <i>↓</i>	ug/kg	10.7	35.7

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744

METHOD TYPE: SW846

SAMPLE ID: 201744002

CLIENT ID: AK3319

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS: 93.4

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	26.6	mg/kg			MS	0.021	4	ICPMS6	080204-2

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744
Lab Sample ID: 201744003Client ID: AK3419
Batch ID: 724727
Run Date: 02/07/2008 04:20
Prep Date: 01/29/2008 07:00
Data File: 6w324.dDate Collected: 01/27/2008 10:32
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.I
Analyst: DXR1
Aliquot: 5.1 g
Column: DB-624Matrix: SOIL
%Moisture: 12
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 10 mL
Level: MED

052

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	111	ug/kg	36.8	111
108-88-3	Toluene	D	21200	ug/kg	32.3	111
100-41-4	Ethylbenzene		4240	ug/kg	22.3	111
1330-20-7	Xylenes (total)		19600	ug/kg	22.3	111

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744
Lab Sample ID: 201744003

Client ID: AK3419
Batch ID: 722159
Run Date: 01/30/2008 14:13
Prep Date: 01/29/2008 19:10
Data File: s6a3015.d

Date Collected: 01/27/2008 10:32
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.I
Analyst: JLD1
Aliquot: 30.04 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 12
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.8 <i>u</i>	ug/kg	12.6	37.8
129-00-0	Pyrene	U	37.8 <i>↓</i>	ug/kg	11.9	37.8
91-20-3	Naphthalene	U	37.8 <i>↓</i>	ug/kg	11.4	37.8
91-57-6	2-Methylnaphthalene		59.6 <i>=</i>	ug/kg	7.57	37.8
91-58-7	2-Chloronaphthalene	U	37.8 <i>u</i>	ug/kg	13.2	37.8
208-96-8	Acenaphthylene	U	37.8 <i>u</i>	ug/kg	11.4	37.8
86-73-7	Fluorene	J	29.3 <i>J</i>	ug/kg	11.4	37.8
85-01-8	Phenanthrene	J	24.0 <i>J</i>	ug/kg	11.4	37.8
120-12-7	Anthracene	U	37.8 <i>u</i>	ug/kg	7.57	37.8
206-44-0	Fluoranthene	J	18.8 <i>J</i>	ug/kg	11.4	37.8
56-55-3	Benzo(a)anthracene	U	37.8 <i>u</i>	ug/kg	11.4	37.8
218-01-9	Chrysene	U	37.8 <i>↓</i>	ug/kg	11.4	37.8
205-99-2	Benzo(b)fluoranthene	U	37.8 <i>↓</i>	ug/kg	11.4	37.8
207-08-9	Benzo(k)fluoranthene	U	37.8 <i>↓</i>	ug/kg	11.4	37.8
50-32-8	Benzo(a)pyrene	U	37.8 <i>↓</i>	ug/kg	11.4	37.8
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.8 <i>↓</i>	ug/kg	11.4	37.8
53-70-3	Dibenzo(a,h)anthracene	U	37.8 <i>↓</i>	ug/kg	11.4	37.8
191-24-2	Benzo(ghi)perylene	U	37.8 <i>↓</i>	ug/kg	11.4	37.8

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744

METHOD TYPE: SW846

SAMPLE ID: 201744003

CLIENT ID: AK3419

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS: 88

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	32.7	mg/kg			MS	0.023	4	ICPMS6	080204-2

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744
Lab Sample ID: 201744004Client ID: AK3519
Batch ID: 724727
Run Date: 02/08/2008 22:45
Prep Date: 01/29/2008 07:03
Data File: 6w511.dDate Collected: 01/27/2008 12:56
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.I
Analyst: DXR1
Aliquot: 4.7 g
Column: DB-624Matrix: SOIL
%Moisture: 11.4
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 10 mL
Level: MED

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	120 u	ug/kg	39.6	120
108-88-3	Toluene		1380 =	ug/kg	34.8	120
100-41-4	Ethylbenzene		2460 =	ug/kg	24.0	120
1330-20-7	Xylenes (total)		5350 =	ug/kg	24.0	120

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744
Lab Sample ID: 201744004

Client ID: AK3519
Batch ID: 722159
Run Date: 01/30/2008 14:34
Prep Date: 01/29/2008 19:10
Data File: s6a3016.d

Date Collected: 01/27/2008 12:56
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.I
Analyst: JLD1
Aliquot: 30.02 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 11.4
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.6 <i>u</i>	ug/kg	12.6	37.6
129-00-0	Pyrene	J	21.7 <i>J</i>	ug/kg	11.8	37.6
91-20-3	Naphthalene	U	37.6 <i>u</i>	ug/kg	11.3	37.6
91-57-6	2-Methylnaphthalene		158 <i>=</i>	ug/kg	7.52	37.6
91-58-7	2-Chloronaphthalene	U	37.6 <i>u</i>	ug/kg	13.2	37.6
208-96-8	Acenaphthylene	U	37.6 <i>u</i>	ug/kg	11.3	37.6
86-73-7	Fluorene		115 <i>=</i>	ug/kg	11.3	37.6
85-01-8	Phenanthrene		50.8 <i>=</i>	ug/kg	11.3	37.6
120-12-7	Anthracene	J	15.3 <i>J</i>	ug/kg	7.52	37.6
206-44-0	Fluoranthene	J	35.4 <i>J</i>	ug/kg	11.3	37.6
56-55-3	Benzo(a)anthracene	U	37.6 <i>u</i>	ug/kg	11.3	37.6
218-01-9	Chrysene	J	12.2 <i>J</i>	ug/kg	11.3	37.6
205-99-2	Benzo(b)fluoranthene	U	37.6 <i>u</i>	ug/kg	11.3	37.6
207-08-9	Benzo(k)fluoranthene	U	37.6	ug/kg	11.3	37.6
50-32-8	Benzo(a)pyrene	U	37.6	ug/kg	11.3	37.6
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.6	ug/kg	11.3	37.6
53-70-3	Dibenzo(a,h)anthracene	U	37.6	ug/kg	11.3	37.6
191-24-2	Benzo(ghi)perylene	U	37.6 <i>↓</i>	ug/kg	11.3	37.6

DATA VALIDATION
COPY

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744

METHOD TYPE: SW846

SAMPLE ID: 201744004

CLIENT ID: AK3519

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS: 89

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	104	mg/kg			MS	0.054	10	ICPMS6	080204-2

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709
Lab Sample ID: 201709008Client ID: AK3619
Batch ID: 724727
Run Date: 02/08/2008 04:16
Prep Date: 01/27/2008 20:56
Data File: 6w422.dDate Collected: 01/26/2008 14:58
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.I
Analyst: DXR1
Aliquot: 5.8 g
Column: DB-624Matrix: SOIL
% Moisture: 19.3
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USP

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.07 U	ug/kg	0.353	1.07
108-88-3	Toluene		9.56 J 601	ug/kg	0.310	1.07
100-41-4	Ethylbenzene	D E 608 526 =		ug/kg	0.214	1.07
1330-20-7	Xylenes (total)	D E 2600 1210 =		ug/kg	0.214	1.07

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709
Lab Sample ID: 201709008

Client ID: AK3619
Batch ID: 722516
Run Date: 02/01/2008 00:53
Prep Date: 01/31/2008 12:56
Data File: s5a3125.d

Date Collected: 01/26/2008 14:58
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.1
Analyst: BJB1
Aliquot: 30.73 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 19.3
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene		46.0 =	ug/kg	13.5	40.3
129-00-0	Pyrene		123 ↓	ug/kg	12.7	40.3
91-20-3	Naphthalene		71.7 ↓	ug/kg	12.1	40.3
91-57-6	2-Methylnaphthalene		101 ↓	ug/kg	8.07	40.3
91-58-7	2-Chloronaphthalene	U	40.3 U	ug/kg	14.1	40.3
208-96-8	Acenaphthylene	U	40.3 U	ug/kg	12.1	40.3
86-73-7	Fluorene		52.5 =	ug/kg	12.1	40.3
85-01-8	Phenanthrene		332 ↓	ug/kg	12.1	40.3
120-12-7	Anthracene		70.9 ↓	ug/kg	8.07	40.3
206-44-0	Fluoranthene		204 ↓	ug/kg	12.1	40.3
56-55-3	Benzo(a)anthracene		58.4 ↓	ug/kg	12.1	40.3
218-01-9	Chrysene	J	30.9 J	ug/kg	12.1	40.3
205-99-2	Benzo(b)fluoranthene	J	31.1 ↓	ug/kg	12.1	40.3
207-08-9	Benzo(k)fluoranthene	J	12.5 ↓	ug/kg	12.1	40.3
50-32-8	Benzo(a)pyrene	U	40.3 U	ug/kg	12.1	40.3
193-39-5	Indeno(1,2,3-cd)pyrene	U	40.3 ↓	ug/kg	12.1	40.3
53-70-3	Dibenzo(a,h)anthracene	U	40.3 ↓	ug/kg	12.1	40.3
191-24-2	Benzo(ghi)perylene	U	40.3 ↓	ug/kg	12.1	40.3

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

METHOD TYPE: SW846

SDG No: 201709

SAMPLE ID: 201709008

CLIENT ID: AK3619

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS: 81

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	12.4	mg/kg		N	MS	0.012	2	ICPMS6	080201-1

J ID1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709
Lab Sample ID: 201709006Client ID: AK3719
Batch ID: 724727
Run Date: 02/09/2008 00:12
Prep Date: 01/27/2008 21:10
Data File: 6w514.dDate Collected: 01/26/2008 13:57
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.1
Analyst: DXR1
Aliquot: 5.8 g
Column: DB-624Matrix: SOIL
% Moisture: 16.9
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.04 <i>u</i>	ug/kg	0.342	1.04
108-88-3	Toluene	U	1.04 <i>u</i>	ug/kg	0.301	1.04
100-41-4	Ethylbenzene	U	1.04 <i>u</i>	ug/kg	0.207	1.04
1330-20-7	Xylenes (total)	J	0.511 <i>J</i>	ug/kg	0.207	1.04

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201709
Lab Sample ID: 201709006

Client ID: AK3719
Batch ID: 722516
Run Date: 02/01/2008 00:12
Prep Date: 01/31/2008 12:56
Data File: s5a3123.d

Date Collected: 01/26/2008 13:57
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 30.37 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 16.9
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	39.6	ug/kg	13.2	39.6
129-00-0	Pyrene	U	39.6	ug/kg	12.4	39.6
91-20-3	Naphthalene	U	39.6	ug/kg	11.9	39.6
91-57-6	2-Methylnaphthalene	U	39.6	ug/kg	7.92	39.6
91-58-7	2-Chloronaphthalene	U	39.6	ug/kg	13.9	39.6
208-96-8	Acenaphthylene	U	39.6	ug/kg	11.9	39.6
86-73-7	Fluorene	U	39.6	ug/kg	11.9	39.6
85-01-8	Phenanthrene	U	39.6	ug/kg	11.9	39.6
120-12-7	Anthracene	U	39.6	ug/kg	7.92	39.6
206-44-0	Fluoranthene	U	39.6	ug/kg	11.9	39.6
56-55-3	Benzo(a)anthracene	U	39.6	ug/kg	11.9	39.6
218-01-9	Chrysene	U	39.6	ug/kg	11.9	39.6
205-99-2	Benzo(h)fluoranthene	U	39.6	ug/kg	11.9	39.6
207-08-9	Benzo(k)fluoranthene	U	39.6	ug/kg	11.9	39.6
50-32-8	Benzo(a)pyrene	U	39.6	ug/kg	11.9	39.6
193-39-5	Indeno(1,2,3-cd)pyrene	U	39.6	ug/kg	11.9	39.6
53-70-3	Dibenzo(a,h)anthracene	U	39.6	ug/kg	11.9	39.6
191-24-2	Benzo(ghi)perylene	U	39.6	ug/kg	11.9	39.6

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709

METHOD TYPE: SW846

SAMPLE ID: 201709006

CLIENT ID: AK3719

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS: 83

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	9.6	mg/kg		N	MS	0.012	2	ICPMS6	080201-1

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709
Lab Sample ID: 201709007Client ID: AK3713
Batch ID: 724727
Run Date: 02/09/2008 00:41
Prep Date: 01/27/2008 21:04
Data File: 6w515.d

DUPLICATE

Date Collected: 01/26/2008 13:57
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.I
Analyst: DXR1
Aliquot: 5.8 g
Column: DB-624Matrix: SOIL
% Moisture: 16.4
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.03 <i>u</i>	ug/kg	0.340	1.03
108-88-3	Toluene	U	1.03 <i>u</i>	ug/kg	0.299	1.03
100-41-4	Ethylbenzene	U	1.03 <i>u</i>	ug/kg	0.206	1.03
1330-20-7	Xylenes (total)	J	0.326 <i>J</i>	ug/kg	0.206	1.03

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709
Lab Sample ID: 201709007

Client ID: AK3713 **DUPLICATE**
Batch ID: 722516
Run Date: 02/01/2008 00:32
Prep Date: 01/31/2008 12:56
Data File: s5a3124.d

Date Collected: 01/26/2008 13:57
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: RJB1
Aliquot: 30.01 g
Column: J&W DB-5MS

Matrix: SOIL
%Moisture: 16.4
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	39.9 U	ug/kg	13.3	39.9
129-00-0	Pyrene	U	39.9	ug/kg	12.5	39.9
91-20-3	Naphthalene	U	39.9	ug/kg	12.0	39.9
91-57-6	2-Methylnaphthalene	U	39.9	ug/kg	7.97	39.9
91-58-7	2-Chloronaphthalene	U	39.9	ug/kg	14.0	39.9
208-96-8	Acenaphthylene	U	39.9	ug/kg	12.0	39.9
86-73-7	Fluorene	U	39.9	ug/kg	12.0	39.9
85-01-8	Phenanthrene	U	39.9	ug/kg	12.0	39.9
120-12-7	Anthracene	U	39.9	ug/kg	7.97	39.9
206-44-0	Fluoranthene	U	39.9	ug/kg	12.0	39.9
56-55-3	Benzo(a)anthracene	U	39.9	ug/kg	12.0	39.9
218-01-9	Chrysene	U	39.9	ug/kg	12.0	39.9
205-99-2	Benzo(h)fluoranthene	U	39.9	ug/kg	12.0	39.9
207-08-9	Benzo(k)fluoranthene	U	39.9	ug/kg	12.0	39.9
50-32-8	Benzo(a)pyrene	U	39.9	ug/kg	12.0	39.9
193-39-5	Indeno(1,2,3-cd)pyrene	U	39.9	ug/kg	12.0	39.9
53-70-3	Dibenzo(a,h)anthracene	U	39.9	ug/kg	12.0	39.9
191-24-2	Benzo(ghi)perylene	U	39.9 U	ug/kg	12.0	39.9

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709

METHOD TYPE: SW846

SAMPLE ID: 201709007

CLIENT ID: AK3713

DUPLICATE

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS: 84

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	9.4	mg/kg		N	MS	0.012	2	ICPMS6	080201-1

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201086
Lab Sample ID: 201086004Client ID: AK3819
Batch ID: 721963
Run Date: 01/29/2008 17:45
Prep Date: 01/15/2008 12:17
Data File: 4v214.dDate Collected: 01/16/2008 12:37
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA4.1
Analyst: ACJ
Aliquot: 5 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 14.1
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.16 U	ug/kg	0.384	1.16
108-88-3	Toluene		2.08 =	ug/kg	0.337	1.16
100-41-4	Ethylbenzene		13.3 =	ug/kg	0.233	1.16
1330-20-7	Xylenes (total)		37.1 =	ug/kg	0.233	1.16

"Data Validation Copy"

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201086
Lab Sample ID: 201086004

Client ID: AK3819
Batch ID: 719185
Run Date: 01/19/2008 03:04
Prep Date: 01/18/2008 15:58
Data File: s2a1831.d

Date Collected: 01/16/2008 12:37
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD2.1
Analyst: AGS1
Aliquot: 30.93 g
Column: J&W DB-SMS

Matrix: SOIL
% Moisture: 14.1
Project: SAIC007202
SOP Ref: G1-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.6	ug/kg	12.6	37.6
129-00-0	Pyrene	U	37.6	ug/kg	11.8	37.6
91-20-3	Naphthalene	U	37.6	ug/kg	11.5	37.6
91-57-6	2-Methylnaphthalene	U	37.6	ug/kg	7.52	37.6
91-58-7	2-Chloronaphthalene	U	37.6	ug/kg	13.2	37.6
208-96-8	Acenaphthylene	U	37.6	ug/kg	11.5	37.6
86-73-7	Fluorene	U	37.6	ug/kg	11.5	37.6
85-01-8	Phenanthrene	U	37.6	ug/kg	11.3	37.6
120-12-7	Anthracene	U	37.6	ug/kg	7.52	37.6
206-44-0	Fluoranthene	U	37.6	ug/kg	11.5	37.6
56-55-3	Benz(a)anthracene	U	37.6	ug/kg	11.5	37.6
218-01-9	Chrysene	U	37.6	ug/kg	11.5	37.6
205-99-2	Benzo(h)fluoranthene	U	37.6	ug/kg	11.5	37.6
207-08-9	Benzo(k)fluoranthene	U	37.6	ug/kg	11.5	37.6
50-32-8	Benzo(a)pyrene	U	37.6	ug/kg	11.5	37.6
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.6	ug/kg	11.5	37.6
53-70-3	Dibenzo(a,h)anthracene	U	37.6	ug/kg	11.5	37.6
191-24-2	Benzo(ghi)perylene	U	37.6	ug/kg	11.5	37.6

"Data Validation Copy"

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201086

METHOD TYPE: SW846

SAMPLE ID: 201086004

CLIENT ID: AK3819

CONTRACT: SAIC007202

MATRIX:S

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS: 86

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	2190	ug/kg			P	464	1	OPTIMA5	012408-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201086
Lab Sample ID: 201086005Client ID: AK3919
Batch ID: 721963
Run Date: 01/28/2008 21:34
Prep Date: 01/15/2008 12:21
Data File: 4v125.dDate Collected: 01/16/2008 13:27
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA4J
Analyst: ACJ
Aliquot: 6 g
Column: RTX-VOLATILESMatrix: SOIL
% Moisture: 15.9
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 250
Purge Vol: 5 mL
Final Volume: 10 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	496	ug/kg	164	496
108-88-5	Toluene		22500	ug/kg	144	496
100-41-4	Ethylbenzene		11900	ug/kg	99.1	496
1330-20-7	Xylenes (total)		55600	ug/kg	99.1	496

"Data Validation Copy"

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201086
Lab Sample ID: 201086005

Client ID: AK3919
Batch ID: 719185
Run Date: 01/19/2008 03:26
Prep Date: 01/18/2008 15:58
Data File: s2a1832.d

Date Collected: 01/16/2008 13:27
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD2.1
Analyst: AGS1
Aliquot: 30.02 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 15.9
Project: SAIC007202
SOP Ref: G1-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	39.6 <i>u</i>	ug/kg	13.2	39.6
129-00-0	Pyrene	J	18.5 <i>J</i>	ug/kg	12.4	39.6
91-20-3	Naphthalene	U	39.6 <i>u</i>	ug/kg	11.9	39.6
91-57-6	2-Methylnaphthalene	J	19.2 <i>J</i>	ug/kg	7.92	39.6
91-58-7	2-Chloronaphthalene	U	39.6 <i>u</i>	ug/kg	13.9	39.6
208-96-8	Acenaphthylene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6
86-73-7	Fluorene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6
85-01-8	Phenanthrene	J	23.5 <i>J</i>	ug/kg	11.9	39.6
120-12-7	Anthracene	U	39.6 <i>u</i>	ug/kg	7.92	39.6
206-44-0	Fluoranthene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6
56-55-3	Benzo(a)anthracene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6
218-01-9	Chrysene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6
205-99-2	Benzo(h)fluoranthene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6
207-08-9	Benzo(k)fluoranthene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6
50-32-8	Benzo(a)pyrene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6
193-39-5	Indeno(1,2,3-cd)pyrene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6
53-70-3	Dibenzo(a,h)anthracene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6
191-24-2	Benzo(ghi)perylene	U	39.6 <i>↓</i>	ug/kg	11.9	39.6

"Data Validation Copy"

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201086

METHOD TYPE: SW846

SAMPLE ID: 201086005

CLIENT ID: AK3919

CONTRACT: SAIC007202

MATRIX: S

DATE RECEIVED 17-JAN-08

LEVEL: Low % SOLIDS: 84

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	10700	ug/kg			P	462	1	OPTIMA5	012408-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537-1
Lab Sample ID: 201540007Client ID: AK4019
Batch ID: 723846
Run Date: 02/04/2008 19:10
Prep Date: 01/25/2008 08:50
Data File: 9w121.dDate Collected: 01/23/2008 16:03
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.1
Analyst: RXY1
Aliquot: 5.6 g
Column: RTX-VolatilesMatrix: SOIL
% Moisture: 17.6
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

USE

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		6.55 =	ug/kg	0.358	1.08
108-88-3	Toluene		23.6 =	ug/kg	0.314	1.08
100-41-4	Ethylbenzene	D E 567 193 =		ug/kg	0.217	1.08
1330-20-7	Xylenes (total)	D E 3220 773 =		ug/kg	0.217	1.08

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682-1
Lab Sample ID: 201683010

Client ID: AK4019
Batch ID: 721999
Run Date: 01/29/2008 17:30
Prep Date: 01/28/2008 19:37
Data File: s6a2923.d

Date Collected: 01/23/2008 16:03
Date Received: 01/25/2008 14:07
Client: SA1C085
Method: SW846 8270C
Inst: MSD6J
Analyst: JLDJ
Aliquot: 30.04 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 17.6
Project: SA1C08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	J	24.3 J	ug/kg	13.5	40.4
129-00-0	Pyrene		81.5 =	ug/kg	12.7	40.4
91-20-3	Naphthalene	U	40.4 U	ug/kg	12.1	40.4
91-57-6	2-Methylnaphthalene	B	198 = F01, ug/kg F08	ug/kg	8.08	40.4
91-58-7	2-Chloronaphthalene	U	40.4 U	ug/kg	14.1	40.4
208-96-8	Acenaphthylene	U	40.4 U	ug/kg	12.1	40.4
86-73-7	Fluorene	J	30.8 J	ug/kg	12.1	40.4
85-01-8	Phenanthrene		121 =	ug/kg	12.1	40.4
120-12-7	Anthracene	J	20.9 J	ug/kg	8.08	40.4
206-44-0	Fluoranthene		109 =	ug/kg	12.1	40.4
56-55-3	Benzo(a)anthracene	U	40.4 U	ug/kg	12.1	40.4
218-01-9	Chrysene	U	40.4	ug/kg	12.1	40.4
205-99-2	Benzo(h)fluoranthene	U	40.4	ug/kg	12.1	40.4
207-08-9	Benzo(k)fluoranthene	U	40.4	ug/kg	12.1	40.4
50-32-8	Benzo(a)pyrene	U	40.4	ug/kg	12.1	40.4
193-39-5	Indeno(1,2,3-cd)pyrene	U	40.4	ug/kg	12.1	40.4
53-70-3	Dibenzo(a,h)anthracene	U	40.4	ug/kg	12.1	40.4
191-24-2	Benzo(ghi)perylene	U	40.4	ug/kg	12.1	40.4

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682-1

METHOD TYPE: SW846

SAMPLE ID: 201683010

CLIENT ID: AK4019

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS: 82

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	37.5	mg/kg			MS	0.015	2	ICPMS5	080204-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744
Lab Sample ID: 201744005Client ID: AK4119DL
Batch ID: 724727
Run Date: 02/10/2008 22:07
Prep Date: 01/29/2008 07:09
Data File: 7w716.dDate Collected: 01/27/2008 13:46
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA7.1
Analyst: GRB2
Aliquot: 5.6 g
Column: DB-624Matrix: SOIL
% Moisture: 11
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Final Volume: 10 mL
Level: MED

USE

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	100	ug/kg	33.1	100
108-88-3	Toluene		119	ug/kg	29.1	100
100-41-4	Ethylbenzene	D	1100 9900	ug/kg	20.1	100
1330-20-7	Xylenes (total)	D	67800 48800	ug/kg	20.1	100

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744
Lab Sample ID: 201744005

Client ID: AK4119
Batch ID: 722159
Run Date: 01/30/2008 14:56
Prep Date: 01/29/2008 19:10
Data File: s6a3017.d

Date Collected: 01/27/2008 13:46
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.I
Analyst: JLD1
Aliquot: 30 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 11
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene		40.7 =	ug/kg	12.5	37.5
129-00-0	Pyrene		143 ↓	ug/kg	11.8	37.5
91-20-3	Naphthalene		117 ↓	ug/kg	11.2	37.5
91-57-6	2-Methylnaphthalene		241 ↓	ug/kg	7.49	37.5
91-58-7	2-Chloronaphthalene	U	37.5 u	ug/kg	13.1	37.5
208-96-8	Acenaphthylene	U	37.5 u	ug/kg	11.2	37.5
86-73-7	Fluorene		49.1 =	ug/kg	11.2	37.5
85-01-8	Phenanthrene		237 ↓	ug/kg	11.2	37.5
120-12-7	Anthracene		54.8 ↓	ug/kg	7.49	37.5
206-44-0	Fluoranthene		210 ↓	ug/kg	11.2	37.5
56-55-3	Benzo(a)anthracene		52.9 ↓	ug/kg	11.2	37.5
218-01-9	Chrysene		39.2 ↓	ug/kg	11.2	37.5
205-99-2	Benzo(b)fluoranthene	J	28.4 J	ug/kg	11.2	37.5
207-08-9	Benzo(k)fluoranthene	U	37.5 u	ug/kg	11.2	37.5
50-32-8	Benzo(a)pyrene	J	16.9 J	ug/kg	11.2	37.5
193-39-5	Indeno(1,2,3-cd)pyrene	U	37.5 u	ug/kg	11.2	37.5
53-70-3	Dibenzo(a,h)anthracene	U	37.5 ↓	ug/kg	11.2	37.5
191-24-2	Benzo(ghi)perylene	U	37.5 ↓	ug/kg	11.2	37.5

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744

METHOD TYPE: SW846

SAMPLE ID: 201744005

CLIENT ID: AK4119

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS: 89

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	127	mg/kg			MS	0.11	20	ICPMS6	080204-2

5 101

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744	Date Collected: 01/27/2008 14:37	Matrix: SOIL
Lab Sample ID: 201744006	Date Received: 01/28/2008 14:50	%Moisture: 13.7
	Client: SAIC085	Project: SAIC08507
	Method: SW846 8260B	SOP Ref: GL-OA-E-038
Client ID: AK4219	Inst: VOA6.I	Dilution: 1
Batch ID: 724727	Analyst: DXR1	Purge Vol: 5 mL
Run Date: 02/08/2008 03:48	Aliquot: 5.4 g	Final Volume: 5 mL
Prep Date: 01/29/2008 07:10	Column: DB-624	Level: LOW
Data File: 6w421.d		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.07 <i>U</i>	ug/kg	0.354	1.07
108-88-3	Toluene	J	0.474 <i>J</i>	ug/kg	0.311	1.07
100-41-4	Ethylbenzene		15.9 <i>=</i>	ug/kg	0.215	1.07
1330-20-7	Xylenes (total)		127 <i>=</i>	ug/kg	0.215	1.07

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744
Lab Sample ID: 201744006

Client ID: AK4219
Batch ID: 722159
Run Date: 01/30/2008 15:17
Prep Date: 01/29/2008 19:10
Data File: s6a3018.d

Date Collected: 01/27/2008 14:37
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD6.1
Analyst: JLD1
Aliquot: 30.09 g
Column: J&W DB-5MS

Matrix: SOIL
% Moisture: 13.7
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	38.5	ug/kg	12.9	38.5
129-00-0	Pyrene	U	38.5	ug/kg	12.1	38.5
91-20-3	Naphthalene	U	38.5	ug/kg	11.5	38.5
91-57-6	2-Methylnaphthalene	U	38.5	ug/kg	7.70	38.5
91-58-7	2-Chloronaphthalene	U	38.5	ug/kg	13.5	38.5
208-96-8	Acenaphthylene	U	38.5	ug/kg	11.5	38.5
86-73-7	Fluorene	U	38.5	ug/kg	11.5	38.5
85-01-8	Phenanthrene	U	38.5	ug/kg	11.5	38.5
120-12-7	Anthracene	U	38.5	ug/kg	7.70	38.5
206-44-0	Fluoranthene	U	38.5	ug/kg	11.5	38.5
56-55-3	Benzo(a)anthracene	U	38.5	ug/kg	11.5	38.5
218-01-9	Chrysene	U	38.5	ug/kg	11.5	38.5
205-99-2	Benzo(h)fluoranthene	U	38.5	ug/kg	11.5	38.5
207-08-9	Benzo(k)fluoranthene	U	38.5	ug/kg	11.5	38.5
50-32-8	Benzo(a)pyrene	U	38.5	ug/kg	11.5	38.5
193-39-5	Indeno(1,2,3-cd)pyrene	U	38.5	ug/kg	11.5	38.5
53-70-3	Dibenzo(a,h)anthracene	U	38.5	ug/kg	11.5	38.5
191-24-2	Benzo(ghi)perylene	U	38.5	ug/kg	11.5	38.5

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744

METHOD TYPE: SW846

SAMPLE ID: 201744006

CLIENT ID: AK4219

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS: 86

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	7.3	mg/kg			MS	0.012	2	ICPMS6	080201-1

J I01

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201810
Lab Sample ID: 201810001Client ID: AK4319
Batch ID: 724730
Run Date: 02/07/2008 22:59
Prep Date: 01/30/2008 07:14
Data File: 6w411.dDate Collected: 01/28/2008 08:05
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.I
Analyst: DXR1
Aliquot: 5.1 g
Column: DB-624Matrix: SOIL
% Moisture: 9.9
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.09 <i>u</i>	ug/kg	0.359	1.09
108-88-3	Toluene	U	1.09 <i>↓</i>	ug/kg	0.315	1.09
100-41-4	Ethylbenzene	U	1.09 <i>↓</i>	ug/kg	0.218	1.09
1330-20-7	Xylenes (total)	J	0.613 <i>J</i>	ug/kg	0.218	1.09

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201810
Lab Sample ID: 201810001

Client ID: AK4319
Batch ID: 722395
Run Date: 01/30/2008 15:11
Prep Date: 01/30/2008 12:27
Data File: s4a3015.d

Date Collected: 01/28/2008 08:05
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD4.I
Analyst: JMB3
Aliquot: 30.24 g
Column: J&W DB-SMS

Matrix: SOIL
% Moisture: 9.9
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	36.7	ug/kg	12.3	36.7
129-00-0	Pyrene	U	36.7	ug/kg	11.5	36.7
91-20-3	Naphthalene	U	36.7	ug/kg	11.0	36.7
91-57-6	2-Methylnaphthalene	U	36.7	ug/kg	7.34	36.7
91-58-7	2-Chloronaphthalene	U	36.7	ug/kg	12.8	36.7
208-96-8	Acenaphthylene	U	36.7	ug/kg	11.0	36.7
86-73-7	Fluorene	U	36.7	ug/kg	11.0	36.7
85-01-8	Phenanthrene	U	36.7	ug/kg	11.0	36.7
120-12-7	Anthracene	U	36.7	ug/kg	7.34	36.7
206-44-0	Fluoranthene	U	36.7	ug/kg	11.0	36.7
56-55-3	Benzo(a)anthracene	U	36.7	ug/kg	11.0	36.7
218-01-9	Chrysene	U	36.7	ug/kg	11.0	36.7
205-99-2	Benzo(h)fluoranthene	U	36.7	ug/kg	11.0	36.7
207-08-9	Benzo(k)fluoranthene	U	36.7	ug/kg	11.0	36.7
50-32-8	Benzo(a)pyrene	U	36.7	ug/kg	11.0	36.7
193-39-5	Indeno(1,2,3-cd)pyrene	U	36.7	ug/kg	11.0	36.7
53-70-3	Dibenzo(a,h)anthracene	U	36.7	ug/kg	11.0	36.7
191-24-2	Benzo(ghi)perylene	U	36.7	ug/kg	11.0	36.7

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201810

METHOD TYPE: SW846

SAMPLE ID: 201810001

CLIENT ID: AK4319

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 29-JAN-08

LEVEL: Low %SOLIDS: 90.1

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	2.4	mg/kg			MS	0.011	2	ICPMS6	080201-1

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201810
Lab Sample ID: 201810002Client ID: AK4419
Batch ID: 724730
Run Date: 02/08/2008 23:14
Prep Date: 01/30/2008 07:16
Data File: 6w512.dDate Collected: 01/28/2008 09:12
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.I
Analyst: DXR1
Aliquot: 4.9 g
Column: DB-624Matrix: SOIL
% Moisture: 6.9
Project: SAIC08507
SOP Ref: G1.-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.10 <i>u</i>	ug/kg	0.362	1.10
108-88-3	Toluene	U	1.10	ug/kg	0.318	1.10
100-41-4	Ethylbenzene	U	1.10 <i>↓</i>	ug/kg	0.219	1.10
1330-20-7	Xylenes (total)	J	0.724 <i>J 60</i>	ug/kg	0.219	1.10

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201810
Lab Sample ID: 201810002

Client ID: AK4419
Batch ID: 722395
Run Date: 01/30/2008 16:07
Prep Date: 01/30/2008 12:27
Data File: s4a3018.d

Date Collected: 01/28/2008 09:12
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD4.1
Analyst: JMB3
Aliquot: 30.47 g
Column: J&W DB-SMS

Matrix: SOIL
% Moisture: 6.9
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	35.3	ug/kg	11.8	35.3
129-00-0	Pyrene	U	35.3	ug/kg	11.1	35.3
91-20-3	Naphthalene	U	35.3	ug/kg	10.6	35.3
91-57-6	2-Methylnaphthalene	U	35.3	ug/kg	7.05	35.3
91-58-7	2-Chloronaphthalene	U	35.3	ug/kg	12.3	35.3
208-96-8	Acenaphthylene	U	35.3	ug/kg	10.6	35.3
86-73-7	Fluorene	U	35.3	ug/kg	10.6	35.3
85-01-8	Phenanthrene	U	35.3	ug/kg	10.6	35.3
120-12-7	Anthracene	U	35.3	ug/kg	7.05	35.3
206-44-0	Fluoranthene	U	35.3	ug/kg	10.6	35.3
56-55-3	Benzo(a)anthracene	U	35.3	ug/kg	10.6	35.3
218-01-9	Chrysene	U	35.3	ug/kg	10.6	35.3
205-99-2	Benzo(h)fluoranthene	U	35.3	ug/kg	10.6	35.3
207-08-9	Benzo(k)fluoranthene	U	35.3	ug/kg	10.6	35.3
50-32-8	Benzo(a)pyrene	U	35.3	ug/kg	10.6	35.3
193-39-5	Indeno(1,2,3-cd)pyrene	U	35.3	ug/kg	10.6	35.3
53-70-3	Dibenzo(a,h)anthracene	U	35.3	ug/kg	10.6	35.3
191-24-2	Benzo(ghi)perylene	U	35.3	ug/kg	10.6	35.3

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201810

METHOD TYPE: SW846

SAMPLE ID: 201810002

CLIENT ID: AK4419

CONTRACT: SAIC08507

MATRIX:S

DATE RECEIVED 29-JAN-08

LEVEL: Low %SOLIDS: 93.1

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	1.2	mg/kg			MS	0.01	2	ICPMS6	080201-1

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DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201810
Lab Sample ID: 201810003Client ID: AK4519
Batch ID: 724730
Run Date: 02/07/2008 23:56
Prep Date: 01/30/2008 07:21
Data File: 6w413.dDate Collected: 01/28/2008 10:40
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA6.1
Analyst: DXR1
Aliquot: 5.4 g
Column: DB-624Matrix: SOIL
% Moisture: 13.7
Project: SAIC08507
SOP Ref: G1.-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Final Volume: 5 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.07 <i>u</i>	ug/kg	0.354	1.07
108-88-3	Toluene	J	0.454 <i>J</i>	ug/kg	0.311	1.07
100-41-4	Ethylbenzene	U	1.07 <i>u</i>	ug/kg	0.215	1.07
1330-20-7	Xylenes (total)	J	0.854 <i>J</i>	ug/kg	0.215	1.07

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201810
Lab Sample ID: 201810003

Client ID: AK4519
Batch ID: 722395
Run Date: 01/30/2008 16:26
Prep Date: 01/30/2008 12:27
Data File: s4a3019.d

Date Collected: 01/28/2008 10:40
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD4.1
Analyst: JMB3
Aliquot: 30.9 g
Column: J&W DB-5MS

Matrix: SOIL
%Moisture: 13.7
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	37.5 <i>u</i>	ug/kg	12.5	37.5
129-00-0	Pyrene		1830 <i>=</i>	ug/kg	11.8	37.5
91-20-3	Naphthalene	U	37.5 <i>u</i>	ug/kg	11.2	37.5
91-57-6	2-Methylnaphthalene	J	11.0 <i>J</i>	ug/kg	7.50	37.5
91-58-7	2-Chloronaphthalene	U	37.5 <i>u</i>	ug/kg	13.1	37.5
208-96-8	Acenaphthylene		201 <i>=</i>	ug/kg	11.2	37.5
86-73-7	Fluorene	U	37.5 <i>u</i>	ug/kg	11.2	37.5
85-01-8	Phenanthrene	U	37.5 <i>↓</i>	ug/kg	11.2	37.5
120-12-7	Anthracene	U	37.5 <i>↓</i>	ug/kg	7.50	37.5
206-44-0	Fluoranthene		946 <i>=</i>	ug/kg	11.2	37.5
56-55-3	Benzo(a)anthracene		914 <i>↓</i>	ug/kg	11.2	37.5
218-01-9	Chrysene		1030 <i>↓</i>	ug/kg	11.2	37.5
205-99-2	Benzo(h)fluoranthene		965 <i>↓</i>	ug/kg	11.2	37.5
207-08-9	Benzo(k)fluoranthene	U	37.5 <i>u</i>	ug/kg	11.2	37.5
50-32-8	Benzo(a)pyrene		656 <i>=</i>	ug/kg	11.2	37.5
193-39-5	Indeno(1,2,3-cd)pyrene		351 <i>↓</i>	ug/kg	11.2	37.5
53-70-3	Dibenzo(a,h)anthracene		175 <i>↓</i>	ug/kg	11.2	37.5
191-24-2	Benzo(ghi)perylene		431 <i>↓</i>	ug/kg	11.2	37.5

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201810

METHOD TYPE: SW846

SAMPLE ID: 201810003

CLIENT ID: AK4519

CONTRACT: SAIC08507

MATRIX: S

DATE RECEIVED 29-JAN-08

LEVEL: Low %SOLIDS: 86

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	6.9	mg/kg			MS	0.012	2	ICPMS6	080201-1
		5	101							

DATA VALIDATION
COPY



CHAIN OF CUSTODY RECORD



Science Applications International Corporation
15 Lafayette Ave, Oak Ridge, TN 37830 (865)481-4600

Page 1 of 2

COC NO.: PH1412

CHAIN OF CUSTODY RECORD

PROJECT NAME: Hunter - Pumphouse 1				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-1055-04-2945-208 3456-244																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407			
PROJECT MANAGER: Patty Stoll																PHONE NO: (843)556-8171			
Sampler (Signature) <i>Ben Wootton</i>		Sampler (Printed Name) Ben Wootton														OVA SCREENING		OBSERVATIONS, COMMENTS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	Lead							No. of Bottles/Vials						
AK0619	1/23/08	0730	QA	X											2	N/A	Trip Blank		
AK0819	1/23/08	0912	Soil	X	X	X									2	3150 ppm			
AK0818	1/23/08	0941	GLW	X	X	X									5	N/A			
AK0919	1/23/08	1057	Soil	X	X	X									2	3640 ppm			
AK0915	1/23/08	1010	GA	X	X	X									5	N/A	Eq. Rinse		
AK0918	1/23/08	1055	GLW	X	X	X									5	N/A			
AK1419	1/23/08	1147	Soil	X	X	X									2	840 ppm			
AK1418	1/23/08	1212	GLW	X	X	X									5	N/A			
AK1519	1/23/08	1243	Soil	X	X	X									2	2740 ppm	250-ml bottle Rinse/used		
AK1518	1/23/08	1310	GLW	X	X	X									5	N/A			
AK2119	1/23/08	1359	Soil	X	X	X									2	2770 ppm			
AK2118	1/23/08	1418	GLW	X	X	X									5	N/A			
AK2019	1/23/08	1441	Soil	X	X	X									2	63.1 ppm			
RELINQUISHED BY: <i>Ben Wootton</i>				RECEIVED BY: <i>Wootton</i>				Date/Time: 01/23/08 1900				Date/Time: 01/24/08 1200				TOTAL NUMBER OF CONTAINERS: Ser 12			
COMPANY NAME: SAIC				COMPANY NAME: SAIC				Date/Time: 01/23/08 1900				Date/Time: 01/24/08 1200				Cooler Temperature: Cooler ID: W#01/24/08			
RELINQUISHED BY: <i>Wootton</i>				RELINQUISHED BY: <i>Ben Wootton</i>				Date/Time: 01/23/08 1900				Date/Time: 01/24/08 1200				Cooler Temperature: Cooler ID: W#01/24/08			
COMPANY NAME: SAIC				COMPANY NAME: SAIC				Date/Time: 01/23/08 1900				Date/Time: 01/24/08 1200				Cooler Temperature: Cooler ID: W#01/24/08			
RELINQUISHED BY: <i>Wootton</i>				RELINQUISHED BY: <i>Ben Wootton</i>				Date/Time: 01/23/08 1900				Date/Time: 01/24/08 1200				Cooler Temperature: Cooler ID: W#01/24/08			
COMPANY NAME: SAIC				COMPANY NAME: SAIC				Date/Time: 01/23/08 1900				Date/Time: 01/24/08 1200				Cooler Temperature: Cooler ID: W#01/24/08			

Relinquished
Ben Wootton
1-24-08 1505

RECEIVED BY: *Ben Wootton*
COMPANY NAME: *SAIC*
Date/Time: 01/24/08 1200



CHAIN OF CUSTODY RECORD

REQUESTED PARAMETERS

~~2945-200-~~
~~3456-200-~~

: Patty Stoll

Sampler (Signature)	Printed Name	Sample ID	Bags Collected	Time Collected	Matrix
<i>Timothy Coffey</i>	Timothy Coffey				

Sample ID	Date Collected	Time Collected	Month	BTT	PA	Le
AK2018	1/23/08	15:15	Jan	X	X	X
AK4019	1/23/08	16:03	Jan	X	X	X
AK4018	1/23/08	16:28	Jan	X	X	X

B-150

RELINQUISHED BY: 
COMPANY NAME: SATC

RECEIVED BY: W. H. H.
COMPANY NAME: W. H. H.

RELINQUISHED BY: Steph A. K...
COMPANY NAME: SAIC

Date/Time	RECEIVED BY:
6/23/08	<i>[Signature]</i>
1900	COMPANY NAME:
	<i>Get</i>

Date/Time	RELINQUISHED BY:
01/23/08	01/23/08 wtl
1900	COMPANY NAME:
	1600

Date/Time 01/24/10	RECEIVED BY: HUC REL. 1/24/10 Ben Watson
1200	COMPANY NAME: Gal

Date/Time 6/24/08 2021

Date/Time

Date/Time/ 01/24/18
11/24/18
001/1200
1505

Cooler ID: _____

TOTAL NUMBER OF CONTAINERS: 56

John W. Hall

Described by = P. M. + 11. 1. 12. 12.

Page 2 of 2

COC NO.: PH101Z

LABORATORY NAME:
General Engineering Laboratory

LABORATORY ADDRESS:
2040 Savage Road
Charleston, SC 29407

PHONE NO: (843)556-8171

OBSERVATIONS, COMMENTS,

5	11/14
2	2847 rpm
5	11/14

Cooler Temperature:

FEDEX NUMBER:

Cooler ID: _____

TOTAL NUMBER OF CONTAINERS: 56

John W. Hall



151 Lafayette Ave, Oak Ridge, TN 37830 (865)481-4600

201682, 201683 CHAIN OF CUSTODY RECORD

COC NO.: PH1013

PROJECT NAME: Hunter - Pumphouse 1			REQUESTED PARAMETERS										LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-1055-04-2945-200 3 of 5													LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407			
PROJECT MANAGER: Patty Stoll													PHONE NO: (843)556-8171			
Sampler (Signature) <i>Timothy Coffey</i>			Date Collected 1/24/08			Time Collected 0730			Matrix QA			OVA SCREENING N/A		OBSERVATIONS, COMMENTS: Trip Blank		
Sample ID TH0620			1/24/08			0730			QA			Z		344 ppm		
AK1019			1/24/08			0821			Soil			Z		N/A		
AK1018			1/24/08			0839			GW			Z		334 ppm		
AK1119			1/24/08			0915			Soil			Z		N/A		
AK1118			1/24/08			0936			GW			Z		384 ppm		
AK1219			1/24/08			1012			Soil			Z		N/A		
AK1218			1/24/08			1030			GW			Z		Duplicate		
AK1214			1/24/08			1030			GW			Z		11.8 ppm		
AK1319			1/24/08			1108			Soil			Z		N/A		
AK1318			1/24/08			1134			GW			Z		118 ppm		
AK1619			1/24/08			1301			Soil			Z		N/A		
AK1618			1/24/08			1328			GW			Z		741 ppm		
AK1719			1/24/08			1407			Soil			Z				
RELINQUISHED BY: <i>Timothy Coffey</i>			Date/Time 01/24/08			RECEIVED BY: <i>Ben Watson</i>			Date/Time 01/25/08			TOTAL NUMBER OF CONTAINERS: 5				
COMPANY NAME: SAIC			1900			COMPANY NAME: GEL			1120			Cooler ID:				
RECEIVED BY: <i>Walter H. Pen</i>			Date/Time 01/24/08			RELINQUISHED BY: <i>Ben Watson</i>			Date/Time 01/25/08			Cooler Temperature:				
COMPANY NAME: SAIC			1900			COMPANY NAME: GEL			1407			FEDEX NUMBER:				
RELINQUISHED BY: <i>Walter H. Pen</i>			Date/Time 01/25/08			RECEIVED BY: <i>M. Smith</i>			Date/Time 01/25/08			For soil samples: PAH and Lead are together in same 8-oz. jar				
COMPANY NAME: SAIC			1120			COMPANY NAME: GEL			1407							



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CHAIN OF CUSTODY RECORD

COC NO.: PH/Φ/Δ

PROJECT NAME: Hunter - Pumphouse 1 PROJECT NUMBER: 01-1055-04-2946-200						REQUESTED PARAMETERS																		LABORATORY NAME: General Engineering Laboratory							
PROJECT MANAGER: Patty Stoll																								LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407							
PROJECT MANAGER: Patty Stoll																								PHONE NO: (843)556-8171							
PROJECT MANAGER: Patty Stoll																								OBSERVATIONS, COMMENTS:							
Sample ID						Date Collected						Time Collected						Matrix						OVA SCREENING		No. of Bottles/Vials					
AK14621						1/25/08						1125/08						GAH						N/A		Trip Blank					
AK1919						1/25/08						0811						Soil						3.7 ppm		N/A					
AK1918						1/25/08						0838						GW						N/A		N/A					
AK2219						1/25/08						0913						Soil						1834 ppm		Duplicate					
AK2213						1/25/08						0913						Soil						1834 ppm		Duplicate					
AK2218						1/25/08						0935						GW						N/A		N/A					
AK2319						1/25/08						1444						Soil						2824 ppm		N/A					
AK2318						1/25/08						1141						GW						N/A		N/A					
AK2419						1/25/08						1138						Soil						2934 ppm		N/A					
AK2418						1/25/08						1244						GW						N/A		N/A					
AK2519						1/25/08						1306						Soil						13.3 ppm		N/A					
AK2518						1/25/08						1339						GW						N/A		N/A					
AK2619						1/25/08						1425						Soil						114 ppm		N/A					
RELINQUISHED BY:						DATE/TIME						RECEIVED BY:						DATE/TIME						TOTAL NUMBER OF CONTAINERS:						Cooler Temperature:	
Patty Stoll						01/25/08 1400						D. N. Smith						01/26/08 1120						Seed, C						Cooler ID:	
COMPANY NAME:						SATC						G.E.B.						G.E.B.						FEDEX NUMBER:							
RECEIVED BY:						DATE/TIME						RELINQUISHED BY:						DATE/TIME						For soil samples: PAH and Lead are together in the same B-OE jar,							
Wynne A. R...						01/25/08 1400						D. N. Smith						01/26/08 1415													
COMPANY NAME:						SATC						G.E.B.						G.E.B.													
RELINQUISHED BY:						DATE/TIME						RECEIVED BY:						DATE/TIME													
Wynne A. R...						01/26/08 1120						D. N. Smith						01/26/08 1415													
COMPANY NAME:						SATC						G.E.B.						G.E.B.													



SAIC
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151 Lafayette Ave, Oak Ridge, TN 37830 (865) 481-4600

PROJECT NAME: Hunter - Pumphouse 1

REC

PROJECT NUMBER: 01-1055-04-2046-200

305K

PROJECT MANAGER: Patty Stoll

Sample ID

Date Collected

Time Collected

Matrix

Sample (Signature)

Printed Name

Timothy Conley

Timothy Conley

1 AK2719 1/26/08 0828 Soil

2 AK2718 1/26/08 0848 GLO

1 AK2714 1/26/08 0848 GLO

1 AK2819 1/26/08 0940 Soil

2 AK2818 1/26/08 0956 GLO

1 AK2919 1/26/08 1030 Soil

2 AK2918 1/26/08 1053 GLO

1 AK3019 1/26/08 1140 Soil

2 AK3018 1/26/08 1206 GLO

1 AK3119 1/26/08 1310 Soil

2 AK3118 1/26/08 1330 GLO

1 AK3719 1/26/08 1357 Soil

2 AK3713 1/26/08 1357 Soil

RELINQUISHED BY: [Signature]

DATE/TIME: 01/26/08

COMPANY NAME: SAIC

RECEIVED BY: P. Went

DATE/TIME: 1900

COMPANY NAME: GEL

RELINQUISHED BY: [Signature]

DATE/TIME: 01/26/08

COMPANY NAME: SAIC

RECEIVED BY: [Signature]

DATE/TIME: 1900

COMPANY NAME: GEL

RELINQUISHED BY: [Signature]

DATE/TIME: 01/27/08

COMPANY NAME: SAIC

RECEIVED BY: [Signature]

DATE/TIME: 1201

COMPANY NAME: GEL

REQUESTED PARAMETERS

Lead	PAH	BTEX	No. of Bottles/Vials	OVA SCREENING	OBSERVATIONS, COMMENTS
X	X	X	2	2670 ppm	
X	X	X	5	N/A	
X	X	X	5	N/A	Duplicate
X	X	X	2	3380 ppm	
X	X	X	5	N/A	
X	X	X	2	3140 ppm	
X	X	X	5	N/A	
X	X	X	2	3830 ppm	
X	X	X	5	N/A	Lead: 2500-ml per 100 ml
X	X	X	2	0 ppm	
X	X	X	5	N/A	
X	X	X	2	0 ppm	
X	X	X	2	0 ppm	Duplicate

TOTAL NUMBER OF CONTAINERS: See pg 2

Cooler ID:

Cooler Temperature:

FEDEX NUMBER:

For soil samples: PATT and LEAD are together in same Boxcar.

LABORATORY NAME:
General Engineering Laboratory

LABORATORY ADDRESS:
2040 Savage Road
Charleston, SC 29407

PHONE NO: (843) 556-8171

OBSERVATIONS, COMMENTS:

OVA SCREENING

Lead

PAH

BTEX

No. of Bottles/Vials

OVA SCREENING

OBSERVATIONS, COMMENTS

Lead

PAH

BTEX

No. of Bottles/Vials

OVA SCREENING

OBSERVATIONS, COMMENTS

Lead

PAH

BTEX

No. of Bottles/Vials

OVA SCREENING

OBSERVATIONS, COMMENTS

Lead

PAH

BTEX

No. of Bottles/Vials

OVA SCREENING

OBSERVATIONS, COMMENTS

Lead

PAH

BTEX

No. of Bottles/Vials

OVA SCREENING

OBSERVATIONS, COMMENTS

Lead

PAH

BTEX

No. of Bottles/Vials

OVA SCREENING

OBSERVATIONS, COMMENTS

Lead

PAH

BTEX

No. of Bottles/Vials

CHAIN OF CUSTODY RECORD

Nov 2017

COC NO.: PH1015

PROJECT NAME: Hunter - Pumphouse 1		PROJECT NUMBER: 01-1055-04-2045-200		PROJECT MANAGER: Patty Stoll		LABORATORY NAME: General Engineering Laboratory	
Sample ID		Date Collected	Time Collected	Sampler (Signature)	(Printed Name)	LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407	
Sample ID		Date Collected	Time Collected	Sampler (Signature)	(Printed Name)	PHONE NO: (843)556-8171	
2 AK3718	1/26/08	1425	GLW	[Signature]	Kimothy Coffey	OVA SCREENING	OBSERVATIONS, COMMENTS
1 AK3619	1/26/08	1458	Soil	[Signature]			
2 AK3618	1/26/08	1533	GLW	[Signature]			
RECEIVED BY: [Signature] COMPANY NAME: SATC RECEIVED BY: [Signature] COMPANY NAME: SATC							
RECEIVED BY: [Signature] COMPANY NAME: SATC RECEIVED BY: [Signature] COMPANY NAME: SATC							
RECEIVED BY: [Signature] COMPANY NAME: SATC RECEIVED BY: [Signature] COMPANY NAME: SATC							



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201744, 201745-
201746

CHAIN OF CUSTODY RECORD

COC NO.: PH1016

PROJECT NAME: Hunter - Pumphouse 1 PROJECT NUMBER: 01-1055-04-2000-200 PROJECT MANAGER: Patty Stoll				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory											
LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407											
PHONE NO: (843)556-8171																PHONE NO: (843)556-8171											
OVA SCREENING				OBSERVATIONS, COMMENTS.																							
No. of Bottles/ Vials:																											
Sample ID				Date Collected				Time Collected				Matrix				Lead				PAH				BTEX			
AK3219				1/27/08				0824				Soil				X				X				X			
AK3218				1/27/08				0845				GLO				X				X				X			
AK3214				1/27/08				0815				GLO				X				X				X			
AK3319				1/27/08				0917				Soil				X				X				X			
AK3318				1/27/08				0956				GLO				X				X				X			
AK3419				1/27/08				1432				Soil				X				X				X			
AK3418				1/27/08				1456				GLO				X				X				X			
AK3519				1/27/08				1256				Soil				X				X				X			
AK3518				1/27/08				1324				GLO				X				X				X			
AK4119				1/27/08				1346				Soil				X				X				X			
AK4118				1/27/08				1411				GLO				X				X				X			
AK4219				1/27/08				1437				Soil				X				X				X			
AK4218				1/27/08				1542				GLO				X				X				X			
RELINQUISHED BY: SATEC				Date/Time 01/27/08				1900				RECEIVED BY: Black				Date/Time 01/28/08				TOTAL NUMBER OF CONTAINERS: 47				Cooler ID: Cooler Temperature: FEDEX NUMBER:			
COMPANY NAME: SATEC												COMPANY NAME: GEL															
RECEIVED BY: Wendy H. Lin				Date/Time 01/27/08				1900				RELINQUISHED BY: Black				Date/Time 01/28/08				For soil samples: PAH and lead are together in same E-c-z. Jar.							
COMPANY NAME: SATEC												COMPANY NAME: GEL															
RELINQUISHED BY: Wendy H. Lin				Date/Time 01/28/08				1155				RECEIVED BY: Black				Date/Time 01/28/08											
COMPANY NAME: SATEC												COMPANY NAME: GEL															

APPENDIX C

GROUNDWATER ANALYTICAL RESULTS

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Volatile
Certificate of Analysis
Sample SummarySDG Number: 201111-1
Lab Sample ID: 201112005Client ID: AK0118
Batch ID: 720957
Run Date: 01/26/2008 21:20
Prep Date: 01/26/2008 21:20
Data File: 2u632.dDate Collected: 01/15/2008 12:25
Date Received: 01/17/2008 09:30
Client: SAJC072
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAJC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: MED

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>u</i>	ug/L	0.300	1.00
108-88-3	Toluene		1.63 <i>=</i>	ug/L	0.250	1.00
100-41-4	Ethylbenzene	J	0.754 <i>J</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)		3.35 <i>=</i>	ug/L	0.250	1.00

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201111-1
Lab Sample ID: 201112005

Client ID: AK0118
Batch ID: 719340
Run Date: 01/21/2008 13:12
Prep Date: 01/18/2008 17:28
Data File: s7a2106.d

Date Collected: 01/15/2008 12:25
Date Received: 01/17/2008 09:30
Client: SAJC072
Method: SW846 8270C
Inst: MSD7J
Analyst: RMB
Aliquot: 930 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAJC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.08 <i>U</i>	ug/L	0.333	1.08
129-00-0	Pyrene	U	1.08	ug/L	0.323	1.08
91-20-3	Naphthalene	U	1.08	ug/L	0.323	1.08
91-57-6	2-Methylnaphthalene	U	1.08	ug/L	0.323	1.08
91-58-7	2-Chloronaphthalene	U	1.08	ug/L	0.376	1.08
208-96-8	Acenaphthylene	U	1.08	ug/L	0.215	1.08
86-73-7	Fluorene	U	1.08	ug/L	0.215	1.08
85-01-8	Phenanthrene	U	1.08	ug/L	0.215	1.08
120-12-7	Anthracene	U	1.08	ug/L	0.215	1.08
206-44-0	Fluoranthene	U	1.08	ug/L	0.215	1.08
56-55-3	Benzo(a)anthracene	U	1.08	ug/L	0.215	1.08
218-01-9	Chrysene	U	1.08	ug/L	0.215	1.08
205-99-2	Benzo(b)fluoranthene	U	1.08	ug/L	0.215	1.08
207-08-9	Benzo(k)fluoranthene	U	1.08	ug/L	0.215	1.08
50-32-8	Benzo(a)pyrene	U	1.08	ug/L	0.215	1.08
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.08	ug/L	0.215	1.08
53-70-3	Dibenzo(a,h)anthracene	U	1.08	ug/L	0.215	1.08
191-24-2	Benzo(ghi)perylene	U	1.08 <i>↓</i>	ug/L	0.215	1.08

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201111-1

METHOD TYPE: SW846

SAMPLE ID: 201112005

CLIENT ID: AK0118

CONTRACT: SAJC007202

MATRIX: W

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	2.4	ug/L			MS	0.03	1	ICPMS6	080122-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201111-1
Lab Sample ID: 201112006Client ID: AK0218
Batch ID: 720957
Run Date: 01/27/2008 03:40
Prep Date: 01/27/2008 03:40
Data File: 2u645.dDate Collected: 01/15/2008 13:34
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: MED

VSE

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	J	0.959 J	ug/L	0.300	1.00
108-88-3	Toluene	D F 141	124 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene	D E 159	136 =	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	D 535	459 =	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201111-1
Lab Sample ID: 201112006

Client ID: AK0218
Batch ID: 719340
Run Date: 01/21/2008 14:16
Prep Date: 01/18/2008 17:28
Data File: s7a2109.d

Date Collected: 01/15/2008 13:34
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD7J
Analyst: RMB
Aliquot: 980 mL
Column: J & W DB-SMS

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.02 <u>u</u>	ug/L	0.316	1.02
129-00-0	Pyrene	U	1.02 <u>u</u>	ug/L	0.306	1.02
91-20-3	Naphthalene		2.76 =	ug/L	0.306	1.02
91-57-6	2-Methylnaphthalene	J	0.882 <u>J</u>	ug/L	0.306	1.02
91-58-7	2-Chloronaphthalene	U	1.02 <u>u</u>	ug/L	0.357	1.02
208-96-8	Acenaphthylene	U	1.02	ug/L	0.204	1.02
86-73-7	Fluorene	U	1.02	ug/L	0.204	1.02
85-01-8	Phenanthrene	U	1.02	ug/L	0.204	1.02
120-12-7	Anthracene	U	1.02	ug/L	0.204	1.02
206-44-0	Fluoranthene	U	1.02	ug/L	0.204	1.02
56-55-3	Benzo(a)anthracene	U	1.02	ug/L	0.204	1.02
218-01-9	Chrysene	U	1.02	ug/L	0.204	1.02
205-99-2	Benzo(b)fluoranthene	U	1.02	ug/L	0.204	1.02
207-08-9	Benzo(k)fluoranthene	U	1.02	ug/L	0.204	1.02
50-32-8	Benzo(a)pyrene	U	1.02	ug/L	0.204	1.02
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.02	ug/L	0.204	1.02
53-70-3	Dibenzo(a,h)anthracene	U	1.02	ug/L	0.204	1.02
191-24-2	Benzo(ghi)perylene	U	1.02	ug/L	0.204	1.02

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201111-1

METHOD TYPE: SW846

SAMPLE ID: 201112006

CLIENT ID: AK0218

CONTRACT: SAIC007202

MATRIX: W

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	39.7	ug/L			MS	0.03	1	ICPMS6	080122-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201111-1
Lab Sample ID: 201112009Client ID: AK0214
Batch ID: 720957
Run Date: 01/27/2008 04:10
Prep Date: 01/27/2008 04:10
Data File: 2u646.d

DUPLICATE

Date Collected: 01/15/2008 13:34
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: MED

USE

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	J	0.999 J	ug/L	0.300	1.00
108-88-3	Toluene	D E 122	115 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene	D E 150	136 =	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	D 496	456 =	ug/L	0.250	1.00

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201111-1
Lab Sample ID: 201112009

Client ID: AK0214
Batch ID: 719340
Run Date: 01/21/2008 15:20
Prep Date: 01/18/2008 17:28
Data File: s7a2112.d

DUPLICATE

Date Collected: 01/15/2008 13:34
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD7J
Analyst: RMB
Aliquot: 950 mL
Column: J & W DB-SMS

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.05 U	ug/L	0.326	1.05
129-00-0	Pyrene	U	1.05 U	ug/L	0.316	1.05
91-20-3	Naphthalene		3.46 =	ug/L	0.316	1.05
91-57-6	2-Methylnaphthalene	J	1.02 J	ug/L	0.316	1.05
91-58-7	2-Chloronaphthalene	U	1.05 U	ug/L	0.368	1.05
208-96-8	Acenaphthylene	U	1.05	ug/L	0.211	1.05
86-73-7	Fluorene	U	1.05	ug/L	0.211	1.05
85-01-8	Phenanthrene	U	1.05	ug/L	0.211	1.05
120-12-7	Anthracene	U	1.05	ug/L	0.211	1.05
206-44-0	Fluoranthene	U	1.05	ug/L	0.211	1.05
56-55-3	Benzo(a)anthracene	U	1.05	ug/L	0.211	1.05
218-01-9	Chrysene	U	1.05	ug/L	0.211	1.05
205-99-2	Benzo(b)fluoranthene	U	1.05	ug/L	0.211	1.05
207-08-9	Benzo(k)fluoranthene	U	1.05	ug/L	0.211	1.05
50-32-8	Benzo(a)pyrene	U	1.05	ug/L	0.211	1.05
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.05	ug/L	0.211	1.05
53-70-3	Dibenzo(a,h)anthracene	U	1.05	ug/L	0.211	1.05
191-24-2	Benzo(ghi)perylene	U	1.05 ↓	ug/L	0.211	1.05

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201111-1

METHOD TYPE: SW846

SAMPLE ID: 201112009

CLIENT ID: AK0214

CONTRACT: SAJC007202

DUPLICATE

MATRIX:W

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	40.7	ug/L			MS	0.03	1	ICPMS6	080122-1

DATA VALIDATION

01/23

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201111-1
Lab Sample ID: 201112007Client ID: AK0318
Batch ID: 720957
Run Date: 01/26/2008 21:49
Prep Date: 01/26/2008 21:49
Data File: 2u633.dDate Collected: 01/15/2008 14:42
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: MED

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>U</i>	ug/L	0.300	1.00
108-88-3	Toluene	J	0.276 <i>J</i>	ug/L	0.250	1.00
100-41-4	Ethylbenzene	J	0.257 <i>J</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	J	0.904 <i>J</i>	ug/L	0.250	1.00

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201111-1
Lab Sample ID: 201112007

Client ID: AK0318
Batch ID: 719340
Run Date: 01/21/2008 14:37
Prep Date: 01/18/2008 17:28
Data File: s7a2110.d

Date Collected: 01/15/2008 14:42
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 980 mL
Column: J & W DB-SMS

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 µL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.02 <i>u</i>	ug/L	0.316	1.02
129-00-0	Pyrene	U	1.02	ug/L	0.306	1.02
91-20-3	Naphthalene	U	1.02	ug/L	0.306	1.02
91-57-6	2-Methylnaphthalene	U	1.02	ug/L	0.306	1.02
91-58-7	2-Chloronaphthalene	U	1.02	ug/L	0.357	1.02
208-96-8	Acenaphthylene	U	1.02	ug/L	0.204	1.02
86-73-7	Fluorene	U	1.02	ug/L	0.204	1.02
85-01-8	Phenanthrene	U	1.02	ug/L	0.204	1.02
120-12-7	Anthracene	U	1.02	ug/L	0.204	1.02
206-44-0	Fluoranthene	U	1.02	ug/L	0.204	1.02
56-55-3	Benzo(a)anthracene	U	1.02	ug/L	0.204	1.02
218-01-9	Chrysene	U	1.02	ug/L	0.204	1.02
205-99-2	Benzo(b)fluoranthene	U	1.02	ug/L	0.204	1.02
207-08-9	Benzo(k)fluoranthene	U	1.02	ug/L	0.204	1.02
50-32-8	Benzo(a)pyrene	U	1.02	ug/L	0.204	1.02
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.02	ug/L	0.204	1.02
53-70-3	Dibenzo(a,h)anthracene	U	1.02	ug/L	0.204	1.02
191-24-2	Benzo(ghi)perylene	U	1.02	ug/L	0.204	1.02

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201111-1

METHOD TYPE: SW846

SAMPLE ID: 201112007

CLIENT ID: AK0318

CONTRACT: SAJC007202

MATRIX: W

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	2.2	ug/L			MS	0.03	1	ICPMS6	080122-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201111-1
Lab Sample ID: 201112008

Client ID: AK0418
Batch ID: 720957
Run Date: 01/25/2008 03:44
Prep Date: 01/25/2008 03:44
Data File: 2u445.d

Date Collected: 01/15/2008 15:50
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1

Column: DB-624

Matrix: WATER

Project: SAIC007202
SOP Ref: GI-OA-E-038
Dilution: 50
Purge Vol: 5 mL

Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		216 =	ug/L	15.0	50.0
108-88-3	Toluene		2360 =	ug/L	12.5	50.0
100-41-4	Ethylbenzene		1010 =	ug/L	12.5	50.0
1330-20-7	Xylenes (total)		3890 =	ug/L	12.5	50.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201111-1
Lab Sample ID: 201112008

Client ID: AK0418
Batch ID: 719340
Run Date: 01/21/2008 14:58
Prep Date: 01/18/2008 17:28
Data File: s7a2111.d

Date Collected: 01/15/2008 15:50
Date Received: 01/17/2008 09:30
Client: SAJC072
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 930 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAJC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.08 <u>u</u>	ug/L	0.333	1.08
129-00-0	Pyrene	U	1.08 <u>u</u>	ug/L	0.323	1.08
91-20-3	Naphthalene		2.60 <u>=</u>	ug/L	0.323	1.08
91-57-6	2-Methylnaphthalene	U	1.08 <u>u</u>	ug/L	0.323	1.08
91-58-7	2-Chloronaphthalene	U	1.08	ug/L	0.376	1.08
208-96-8	Acenaphthylene	U	1.08	ug/L	0.215	1.08
86-73-7	Fluorene	U	1.08	ug/L	0.215	1.08
85-01-8	Phenanthrene	U	1.08	ug/L	0.215	1.08
120-12-7	Anthracene	U	1.08	ug/L	0.215	1.08
206-44-0	Fluoranthene	U	1.08	ug/L	0.215	1.08
56-55-3	Benzo(a)anthracene	U	1.08	ug/L	0.215	1.08
218-01-9	Chrysene	U	1.08	ug/L	0.215	1.08
205-99-2	Benzo(b)fluoranthene	U	1.08	ug/L	0.215	1.08
207-08-9	Benzo(k)fluoranthene	U	1.08	ug/L	0.215	1.08
50-32-8	Benzo(a)pyrene	U	1.08	ug/L	0.215	1.08
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.08	ug/L	0.215	1.08
53-70-3	Dibenzo(a,b)anthracene	U	1.08	ug/L	0.215	1.08
191-24-2	Benzo(ghi)perylene	U	1.08	ug/L	0.215	1.08

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201111-1

METHOD TYPE: SW846

SAMPLE ID: 201112008

CLIENT ID: AK0418

CONTRACT: SAJC007202

MATRIX:W

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	165	ug/L			MS	0.03	1	ICPMS6	080122-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201111-1
Lab Sample ID: 201112013Client ID: AK0518
Batch ID: 720957
Run Date: 01/28/2008 15:00
Prep Date: 01/28/2008 15:00
Data File: 2v119.dDate Collected: 01/16/2008 10:48
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		137	ug/L	15.0	50.0
108-88-3	Toluene		3730	ug/L	12.5	50.0
100-41-4	Ethylbenzene		542	ug/L	12.5	50.0
1330-20-7	Xylenes (total)		1890	ug/L	12.5	50.0

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201111-1
Lab Sample ID: 201112012

Client ID: AK0618DL
Batch ID: 720957
Run Date: 01/30/2008 00:26
Prep Date: 01/30/2008 00:26
Data File: 2v234.d

Date Collected: 01/16/2008 09:43
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1

Column: DB-624

Matrix: WATER

Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL

Level: LOW

USP

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		106 =	ug/L	15.0	50.0
108-88-3	Toluene	D E10100	10300 =	ug/L	12.5	50.0
100-41-4	Ethylbenzene		1030 =	ug/L	12.5	50.0
1330-20-7	Xylenes (total)		3900 =	ug/L	12.5	50.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201111-1
Lab Sample ID: 201112012

Client ID: AK0618
Batch ID: 719340
Run Date: 01/21/2008 16:25
Prep Date: 01/18/2008 17:28
Data File: s7a2115.d

Date Collected: 01/16/2008 09:43
Date Received: 01/17/2008 09:30
Client: SAJC072
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-SMS

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene		5.06 <i>=</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene		1.48 <i>=</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,b)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201111-1

METHOD TYPE: SW846

SAMPLE ID: 201112012

CLIENT ID: AK0618

CONTRACT: SAJC007202

MATRIX: W

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	67.7	ug/L			MS	0.03	1	ICPMS6	080123

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201111-1
Lab Sample ID: 201112010Client ID: AK0718
Batch ID: 720957
Run Date: 01/26/2008 22:19
Prep Date: 01/26/2008 22:19
Data File: 2u634.dDate Collected: 01/16/2008 08:37
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA2I
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: MED

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>U</i>	ug/L	0.300	1.00
108-88-3	Toluene	J	0.622 <i>J</i>	ug/L	0.250	1.00
100-41-4	Ethylbenzene	J	0.367 <i>J</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)		1.56 <i>=</i>	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201111-1
Lab Sample ID: 201112010

Client ID: AK0718
Batch ID: 719340
Run Date: 01/21/2008 15:41
Prep Date: 01/18/2008 17:28
Data File: s7a2113.d

Date Collected: 01/16/2008 08:37
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 µL
Final Volume: 1 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	U	1.00	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201111-1

METHOD TYPE: SW846

SAMPLE ID: 201112010

CLIENT ID: AK0718

CONTRACT: SAJC007202

MATRIX: W

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead J	0.320	ug/L	B		MS	0.03	1	ICPMS6	080122-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201111-1
Lab Sample ID: 201112011Client ID: AK0714
Batch ID: 720957
Run Date: 01/26/2008 22:48
Prep Date: 01/26/2008 22:48
Data File: 2u635.d

DUPLICATE

Date Collected: 01/16/2008 08:37
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.I
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: MED

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>U</i>	ug/L	0.300	1.00
108-88-3	Toluene	J	0.553 <i>J</i>	ug/L	0.250	1.00
100-41-4	Ethylbenzene	J	0.357 <i>J</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)		1.65 <i>=</i>	ug/L	0.250	1.00

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201111-1
Lab Sample ID: 201112011

Date Collected: 01/16/2008 08:37
Date Received: 01/17/2008 09:30
Client: SAJC072
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAJC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

Client ID: AK0714 **DUPLICATE**
Batch ID: 719340
Run Date: 01/21/2008 16:03
Prep Date: 01/18/2008 17:28
Data File: s7a2114.d

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 U	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	U	1.00	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00 ↓	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-J-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201111-1

METHOD TYPE: SW846

SAMPLE ID: 201112011

CLIENT ID: AK0714

DUPLICATE

CONTRACT: SAIC007202

MATRIX: W

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	0.330	ug/L	B		MS	0.03	1	ICPMS6	080122-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537
Lab Sample ID: 201537002Client ID: AK0818
Batch ID: 723384
Run Date: 02/04/2008 16:53
Prep Date: 02/04/2008 16:53
Data File: 2w120.dDate Collected: 01/23/2008 09:41
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.I
Analyst: CDS1
Column: DB-624Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 20
Purge Vol: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		131	ug/L	6.00	20.0
108-88-3	Toluene		917	ug/L	5.00	20.0
100-41-4	Ethylbenzene		827	ug/L	5.00	20.0
1330-20-7	Xylenes (total)		3740	ug/L	5.00	20.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201537
Lab Sample ID: 201537002

Client ID: AK0818
Batch ID: 721970
Run Date: 01/29/2008 11:30
Prep Date: 01/28/2008 17:06
Data File: s5a2909.d

Date Collected: 01/23/2008 09:41
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.1
Analyst: BJB1
Aliquot: 1030 mL
Column: J&W DB-5MS

Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	3.88 <i>US</i>	ug/L <i>602</i>	1.20	3.88
129-00-0	Pyrene	U	3.88 <i>US</i>	ug/L	1.17	3.88
91-20-3	Naphthalene	J	2.53 <i>J</i>	ug/L	1.17	3.88
91-57-6	2-Methylnaphthalene	U	3.88 <i>US</i>	ug/L	1.17	3.88
91-58-7	2-Chloronaphthalene	U	3.88	ug/L	1.36	3.88
208-96-8	Acenaphthylene	U	3.88	ug/L	0.777	3.88
86-73-7	Fluorene	U	3.88	ug/L	0.777	3.88
85-01-8	Phenanthrene	U	3.88	ug/L	0.777	3.88
120-12-7	Anthracene	U	3.88	ug/L	0.777	3.88
206-44-0	Fluoranthene	U	3.88	ug/L	0.777	3.88
56-55-3	Benzo(a)anthracene	U	3.88	ug/L	0.777	3.88
218-01-9	Chrysene	U	3.88	ug/L	0.777	3.88
205-99-2	Benzo(b)fluoranthene	U	3.88	ug/L	0.777	3.88
207-08-9	Benzo(k)fluoranthene	U	3.88	ug/L	0.777	3.88
50-32-8	Benzo(a)pyrene	U	3.88	ug/L	0.777	3.88
193-39-5	Indeno(1,2,3-cd)pyrene	U	3.88	ug/L	0.777	3.88
53-70-3	Dibenzo(a,h)anthracene	U	3.88	ug/L	0.777	3.88
191-24-2	Benzo(ghi)perylene	U	3.88	ug/L	0.777	3.88

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537

METHOD TYPE: SW846

SAMPLE ID: 201537002

CLIENT ID: AK0818

CONTRACT: SAJC08507

MATRIX:G

DATE RECEIVED 24-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	65.6	ug/L			MS	0.05	1	ICPMS6	080131-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537
Lab Sample ID: 201537004Client ID: AK0918
Batch ID: 723384
Run Date: 02/05/2008 12:34
Prep Date: 02/05/2008 12:34
Data File: 2w213.dDate Collected: 01/23/2008 10:55
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

VSD

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	J	0.815 J	ug/L	0.300	1.00
108-88-3	Toluene		7.36 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene	D E 641	314 =	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	D 2080 928	=	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201537
Lab Sample ID: 201537004

Client ID: AK0918
Batch ID: 721970
Run Date: 01/29/2008 12:12
Prep Date: 01/28/2008 17:06
Data File: sSa2911.d

Date Collected: 01/23/2008 10:55
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.1
Analyst: BJB1
Aliquot: 990 mL
Column: J&W DB-5MS

Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	4.04 <i>u</i>	ug/L	1.25	4.04
129-00-0	Pyrene	U	4.04 <i>u</i>	ug/L	1.21	4.04
91-20-3	Naphthalene		10.1 <i>=</i>	ug/L	1.21	4.04
91-57-6	2-Methylnaphthalene	J	2.86 <i>J</i>	ug/L	1.21	4.04
91-58-7	2-Chloronaphthalene	U	4.04 <i>u</i>	ug/L	1.41	4.04
208-96-8	Acenaphthylene	U	4.04	ug/L	0.808	4.04
86-73-7	Fluorene	U	4.04	ug/L	0.808	4.04
85-01-8	Phenanthrene	U	4.04	ug/L	0.808	4.04
120-12-7	Anthracene	U	4.04	ug/L	0.808	4.04
206-44-0	Fluoranthene	U	4.04	ug/L	0.808	4.04
56-55-3	Benzo(a)anthracene	U	4.04	ug/L	0.808	4.04
218-01-9	Chrysene	U	4.04	ug/L	0.808	4.04
205-99-2	Benzo(b)fluoranthene	U	4.04	ug/L	0.808	4.04
207-08-9	Benzo(k)fluoranthene	U	4.04	ug/L	0.808	4.04
50-32-8	Benzo(a)pyrene	U	4.04	ug/L	0.808	4.04
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.04	ug/L	0.808	4.04
53-70-3	Dibenzo(a,h)anthracene	U	4.04	ug/L	0.808	4.04
191-24-2	Benzo(ghi)perylene	U	4.04	ug/L	0.808	4.04

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537

METHOD TYPE: SW846

SAMPLE ID: 201537004

CLIENT ID: AK0918

CONTRACT: SAIC08507

MATRIX: G

DATE RECEIVED 24-JAN-08

LEVEL: Low % SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DI</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	34	ug/L			MS	0.01	1	ICPMS6	080131-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682
Lab Sample ID: 201682002Client ID: AK1018
Batch ID: 724167
Run Date: 02/05/2008 14:42
Prep Date: 02/05/2008 14:42
Data File: 2w217.dDate Collected: 01/24/2008 08:39
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 20
Purge Vol: 5 mL
Level: LOW

USE

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		171 =	ug/L	6.00	20.0
108-88-3	Toluene	D x 5830	4770 =	ug/L	5.00	20.0
100-41-4	Ethylbenzene		577 =	ug/L	5.00	20.0
1330-20-7	Xylenes (total)		3610 =	ug/L	5.00	20.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682
Lab Sample ID: 201682002

Client ID: AK1018
Batch ID: 722061
Run Date: 01/29/2008 16:57
Prep Date: 01/29/2008 14:08
Data File: s7a2909.d

Date Collected: 01/24/2008 08:39
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD7J
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene		4.69 <i>=</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	J	0.97 <i>J</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682

METHOD TYPE: SW846

SAMPLE ID: 201682002

CLIENT ID: AK1018

CONTRACT: SAJC08507

MATRIX:W

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	16.2	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682
Lab Sample ID: 201682003Client ID: AK1118
Batch ID: 724167
Run Date: 02/07/2008 09:58
Prep Date: 02/07/2008 09:58
Data File: 2w408.dDate Collected: 01/24/2008 09:36
Date Received: 01/25/2008 14:07
Client: SA1C085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SA1C08507
SOP Ref: GL-OA-E-038
Dilution: 100
Purge Vol: 5 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		133 =	ug/L	30.0	100
108-88-3	Toluene		6680 =	ug/L	25.0	100
100-41-4	Ethylbenzene		1070 =	ug/L	25.0	100
1330-20-7	Xylenes (total)	B	5670 = Fol, ug/L Fol		25.0	100

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682
Lab Sample ID: 201682003

Client ID: AK1118
Batch ID: 722061
Run Date: 01/29/2008 17:18
Prep Date: 01/29/2008 14:08
Data File: s7a2910.d

Date Collected: 01/24/2008 09:36
Date Received: 01/25/2008 14:07
Client: SA1C085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 980 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SA1C08507
SOP Ref: G1.-OA-E.-009
Dilution: 1
Inj. Vol: 5 µL
Final Volume: 1 mL
Level: LOW

CAS No.	Parma name	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.02 u	ug/L	0.316	1.02
129-00-0	Pyrene	U	1.02 u	ug/L	0.306	1.02
91-20-3	Naphthalene		6.72 =	ug/L	0.306	1.02
91-57-6	2-Methylnaphthalene		1.36 =	ug/L	0.306	1.02
91-58-7	2-Chloronaphthalene	U	1.02 u	ug/L	0.357	1.02
208-96-8	Acenaphthylene	U	1.02	ug/L	0.204	1.02
86-73-7	Fluorene	U	1.02	ug/L	0.204	1.02
85-01-8	Phenanthrene	U	1.02	ug/L	0.204	1.02
120-12-7	Anthracene	U	1.02	ug/L	0.204	1.02
206-44-0	Fluoranthene	U	1.02	ug/L	0.204	1.02
56-55-3	Benzo(a)anthracene	U	1.02	ug/L	0.204	1.02
218-01-9	Chrysene	U	1.02	ug/L	0.204	1.02
205-99-2	Benzo(b)fluoranthene	U	1.02	ug/L	0.204	1.02
207-08-9	Benzo(k)fluoranthene	U	1.02	ug/L	0.204	1.02
50-32-8	Benzo(a)pyrene	U	1.02	ug/L	0.204	1.02
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.02	ug/L	0.204	1.02
53-70-3	Dibenzo(a,h)anthracene	U	1.02	ug/L	0.204	1.02
191-24-2	Benzo(ghi)perylene	U	1.02	ug/L	0.204	1.02

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682

METHOD TYPE: SW846

SAMPLE ID: 201682003

CLIENT ID: AK1118

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	36.4	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682
Lab Sample ID: 201682004Client ID: AK1218
Batch ID: 724167
Run Date: 02/07/2008 07:59
Prep Date: 02/07/2008 07:59
Data File: 2w404.dDate Collected: 01/24/2008 10:30
Date Received: 01/25/2008 14:07
Client: SA1C085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SA1C08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>u</i>	ug/L	0.300	1.00
108-88-3	Toluene		4.46 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene		83.9 =	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	B	192 = <i>Fo1, Fo8</i>	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682
Lab Sample ID: 201682004

Client ID: AK1218
Batch ID: 722061
Run Date: 01/29/2008 17:39
Prep Date: 01/29/2008 14:08
Data File: s7a2911.d

Date Collected: 01/24/2008 10:30
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 980 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.02 u	ug/L	0.51e	1.02
129-00-0	Pyrene	U	1.02 u	ug/L	0.50e	1.02
91-20-3	Naphthalene		6.52 =	ug/L	0.50e	1.02
91-57-6	2-Methylnaphthalene		3.41 =	ug/L	0.30e	1.02
91-58-7	2-Chloronaphthalene	U	1.02 u	ug/L	0.55e	1.02
208-96-8	Acenaphthylene	U	1.02 ↓	ug/L	0.20e	1.02
86-73-7	Fluorene	U	1.02 ↓	ug/L	0.20e	1.02
85-01-8	Phenanthrene	J	0.528 J	ug/L	0.20e	1.02
120-12-7	Anthracene	U	1.02 u	ug/L	0.20e	1.02
206-44-0	Fluoranthene	U	1.02 ↓	ug/L	0.20e	1.02
56-55-3	Benzo(a)anthracene	U	1.02 ↓	ug/L	0.20e	1.02
218-01-9	Chrysene	U	1.02 ↓	ug/L	0.20e	1.02
205-99-2	Benzo(h)fluoranthene	U	1.02 ↓	ug/L	0.20e	1.02
207-08-9	Benzo(k)fluoranthene	U	1.02 ↓	ug/L	0.20e	1.02
50-32-8	Benzo(a)pyrene	U	1.02 ↓	ug/L	0.20e	1.02
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.02 ↓	ug/L	0.20e	1.02
53-70-3	Dibenzo(a,h)anthracene	U	1.02 ↓	ug/L	0.20e	1.02
191-24-2	Benzo(ghi)perylene	U	1.02 ↓	ug/L	0.20e	1.02

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682

METHOD TYPE: SW846

SAMPLE ID: 201682004

CLIENT ID: AK1218

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	12.8	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682
Lab Sample ID: 201682005
Client ID: AK1214
Batch ID: 724167
Run Date: 02/07/2008 08:29
Prep Date: 02/07/2008 08:29
Data File: 2w405.d

Date Collected: 01/24/2008 10:30
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

DUPLICATE

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
108-88-3	Toluene		4.12	ug/L	0.250	1.00
100-41-4	Ethylbenzene		80.1	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	B	183	ug/L	0.250	1.00

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201682
Lab Sample ID: 201682005

Client ID: AK1214
Batch ID: 722061
Run Date: 01/29/2008 18:01
Prep Date: 01/29/2008 14:08
Data File: s7a2912.d

DUPLICATE

Date Collected: 01/24/2008 10:30
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD7J
Analyst: RMB
Aliquot: 970 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 ul
Final Volume: 1 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.05 u	ug/L	0.550	1.05
129-00-0	Pyrene	U	1.05 u	ug/L	0.500	1.05
91-20-3	Naphthalene		6.96 =	ug/L	0.500	1.05
91-57-6	2-Methylnaphthalene		3.47 =	ug/L	0.500	1.05
91-58-7	2-Chloronaphthalene	U	1.05 u	ug/L	0.500	1.05
208-96-8	Acenaphthylene	U	1.05 ↓	ug/L	0.200	1.05
86-73-7	Fluorene	U	1.05 ↓	ug/L	0.200	1.05
85-01-8	Phenanthrene	J	0.552 J	ug/L	0.200	1.05
120-12-7	Anthracene	U	1.05 u	ug/L	0.200	1.05
206-44-0	Fluoranthene	U	1.05 ↓	ug/L	0.200	1.05
56-55-3	Benzo(a)anthracene	U	1.05 ↓	ug/L	0.200	1.05
218-01-9	Chrysene	U	1.05 ↓	ug/L	0.200	1.05
205-99-2	Benzo(h)fluoranthene	U	1.05 ↓	ug/L	0.200	1.05
207-08-9	Benzo(k)fluoranthene	U	1.05 ↓	ug/L	0.200	1.05
50-32-8	Benzo(a)pyrene	U	1.05 ↓	ug/L	0.200	1.05
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.05 ↓	ug/L	0.200	1.05
53-70-3	Dibenzo(a,h)anthracene	U	1.05 ↓	ug/L	0.200	1.05
191-24-2	Benzo(ghi)perylene	U	1.05 ↓	ug/L	0.200	1.05

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682

METHOD TYPE: SW846

SAMPLE ID: 201682005

CLIENT ID: AK1214

DUPLICATE

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	12.1	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682
Lab Sample ID: 201682006Client ID: AK1318
Batch ID: 724167
Run Date: 02/07/2008 10:27
Prep Date: 02/07/2008 10:27
Data File: 2w409.dDate Collected: 01/24/2008 11:34
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

CAS No.	Parminame	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	J	0.538 J	ug/L	0.300	1.00
108-88-3	Toluene	J	0.476 J	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00 U	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	BJ	1.00 0.877 U Fol	ug/L F06	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682
Lab Sample ID: 201682006

Client ID: AK1318
Batch ID: 722061
Run Date: 01/29/2008 18:22
Prep Date: 01/29/2008 14:08
Data File: s7a2913.d

Date Collected: 01/24/2008 11:34
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD7J
Analyst: RMB
Aliquot: 980 mL
Column: J & W DB-SMS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	POL/LOQ
85-32-9	Acenaphthene	U	1.02 u	ug/L	0.316	1.02
129-00-0	Pyrene	U	1.02	ug/L	0.306	1.02
91-20-3	Naphthalene	U	1.02	ug/L	0.306	1.02
91-57-6	2-Methylnaphthalene	U	1.02	ug/L	0.306	1.02
91-58-7	2-Chloronaphthalene	U	1.02	ug/L	0.357	1.02
208-96-8	Acenaphthylene	U	1.02	ug/L	0.204	1.02
86-73-7	Fluorene	U	1.02	ug/L	0.204	1.02
85-01-8	Phenanthrene	U	1.02	ug/L	0.204	1.02
120-12-7	Anthracene	U	1.02	ug/L	0.204	1.02
206-44-0	Fluoranthene	U	1.02	ug/L	0.204	1.02
56-55-3	Benzo(a)anthracene	U	1.02	ug/L	0.204	1.02
218-01-9	Chrysene	U	1.02	ug/L	0.204	1.02
205-99-2	Benzo(h)fluoranthene	U	1.02	ug/L	0.204	1.02
207-08-9	Benzo(k)fluoranthene	U	1.02	ug/L	0.204	1.02
50-32-8	Benzo(a)pyrene	U	1.02	ug/L	0.204	1.02
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.02	ug/L	0.204	1.02
53-70-3	Dibenzo(a,h)anthracene	U	1.02	ug/L	0.204	1.02
191-24-2	Benzo(ghi)perylene	U	1.02	ug/L	0.204	1.02

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682

METHOD TYPE: SW846

SAMPLE ID: 201682006

CLIENT ID: AK1318

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 25-JAN-08

LEVEL: Low % SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	0.630	ug/L	B		MS	0.05	1	ICPMS+	080205-1

5

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537
Lab Sample ID: 201537005Client ID: AK1418
Batch ID: 723384
Run Date: 02/04/2008 21:42
Prep Date: 02/04/2008 21:42
Data File: 2w130.dDate Collected: 01/23/2008 12:12
Date Received: 01/24/2008 15:05
Client: SA1C085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: GROUND WATER
Project: SA1C08507
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Level: LOW

USE

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		738 =	ug/L	15.0	50.0
108-88-3	Toluene	D 26130	5600 =	ug/L	12.5	50.0
100-41-4	Ethylbenzene		808 =	ug/L	12.5	50.0
1330-20-7	Xylenes (total)		3680 =	ug/L	12.5	50.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201537
Lab Sample ID: 201537005

Client ID: AK1418
Batch ID: 721970
Run Date: 01/29/2008 12:33
Prep Date: 01/28/2008 17:06
Data File: s5a2912.d

Date Collected: 01/23/2008 12:12
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.I
Analyst: BJB1
Aliquot: 990 mL
Column: J&W DB-SMS

Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	4.04 <i>u</i>	ug/L	1.25	4.04
129-00-0	Pyrene	U	4.04 <i>u</i>	ug/L	1.21	4.04
91-20-3	Naphthalene		6.48 <i>=</i>	ug/L	1.21	4.04
91-57-6	2-Methylnaphthalene	J	1.62 <i>J</i>	ug/L	1.21	4.04
91-58-7	2-Chloronaphthalene	U	4.04 <i>u</i>	ug/L	1.41	4.04
208-96-8	Acenaphthylene	U	4.04	ug/L	0.808	4.04
86-73-7	Fluorene	U	4.04	ug/L	0.808	4.04
85-01-8	Phenanthrene	U	4.04	ug/L	0.808	4.04
120-12-7	Anthracene	U	4.04	ug/L	0.808	4.04
206-44-0	Fluoranthene	U	4.04	ug/L	0.808	4.04
56-55-3	Benzo(a)anthracene	U	4.04	ug/L	0.808	4.04
218-01-9	Chrysene	U	4.04	ug/L	0.808	4.04
205-99-2	Benzo(b)fluoranthene	U	4.04	ug/L	0.808	4.04
207-08-9	Benzo(k)fluoranthene	U	4.04	ug/L	0.808	4.04
50-32-8	Benzo(a)pyrene	U	4.04	ug/L	0.808	4.04
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.04	ug/L	0.808	4.04
53-70-3	Dibenzo(a,h)anthracene	U	4.04	ug/L	0.808	4.04
191-24-2	Benzo(ghi)perylene	U	4.04	ug/L	0.808	4.04

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537

METHOD TYPE: SW846

SAMPLE ID: 201537005

CLIENT ID: AK1418

CONTRACT: SAIC08507

MATRIX: G

DATE RECEIVED 24-JAN-08

LEVEL: Low % SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	32.9	ug/L			MS	0.05	1	ICPMS+	080131-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537
Lab Sample ID: 201537006Client ID: AK1518
Batch ID: 723384
Run Date: 02/04/2008 22:11
Prep Date: 02/04/2008 22:11
Data File: 2w131.dDate Collected: 01/23/2008 13:10
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 10
Purge Vol: 5 mL
Level: LOW

VSD

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		156 =	ug/L	3.00	10.0
108-88-3	Toluene	D E 1140	1078 =	ug/L	2.50	10.0
100-41-4	Ethylbenzene		384 =	ug/L	2.50	10.0
1330-20-7	Xylenes (total)		1800 =	ug/L	2.50	10.0

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201537
Lab Sample ID: 201537006

Client ID: AK1518
Batch ID: 721970
Run Date: 01/29/2008 12:55
Prep Date: 01/28/2008 17:06
Data File: s5a2913.d

Date Collected: 01/23/2008 13:10
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.J
Analyst: BJB1
Aliquot: 1050 mL
Column: J&W DB-5MS

Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	3.81 <i>u</i>	ug/L	1.18	3.81
129-00-0	Pyrene	U	3.81 <i>u</i>	ug/L	1.14	3.81
91-20-3	Naphthalene		5.24 <i>=</i>	ug/L	1.14	3.81
91-57-6	2-Methylnaphthalene	U	3.81 <i>u</i>	ug/L	1.14	3.81
91-58-7	2-Chloronaphthalene	U	3.81	ug/L	1.33	3.81
208-96-8	Acenaphthylene	U	3.81	ug/L	0.762	3.81
86-73-7	Fluorene	U	3.81	ug/L	0.762	3.81
85-01-8	Phenanthrene	U	3.81	ug/L	0.762	3.81
120-12-7	Anthracene	U	3.81	ug/L	0.762	3.81
206-44-0	Fluoranthene	U	3.81	ug/L	0.762	3.81
56-55-3	Benzo(a)anthracene	U	3.81	ug/L	0.762	3.81
218-01-9	Chrysene	U	3.81	ug/L	0.762	3.81
205-99-2	Benzo(b)fluoranthene	U	3.81	ug/L	0.762	3.81
207-08-9	Benzo(k)fluoranthene	U	3.81	ug/L	0.762	3.81
50-32-8	Benzo(a)pyrene	U	3.81	ug/L	0.762	3.81
193-39-5	Indeno(1,2,3-cd)pyrene	U	3.81	ug/L	0.762	3.81
53-70-3	Dibenzo(a,h)anthracene	U	3.81	ug/L	0.762	3.81
191-24-2	Benzo(ghi)perylene	U	3.81 <i>↓</i>	ug/L	0.762	3.81

METALS
-J-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537

METHOD TYPE: SW846

SAMPLE ID: 201537006

CLIENT ID: AK518

CONTRACT: SAJC08507

MATRIX:G

DATE RECEIVED 24-JAN-08

LEVEL: Low % SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument</u> <u>ID</u>	<u>Analytical</u> <u>Run</u>
7439-92-1	Lead	10.4	ug/L			MS	0.05	1	ICPMS	080131-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682
Lab Sample ID: 201682007Client ID: AK1618
Batch ID: 724167
Run Date: 02/07/2008 14:54
Prep Date: 02/07/2008 14:54
Data File: 2w418.dDate Collected: 01/24/2008 13:28
Date Received: 01/25/2008 14:07
Client: SA1C085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SA1C08507
SOP Ref: G1.-OA-E-038
Dilution: 20
Purge Vol: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		35.5 =	ug/L	6.00	20.0
108-88-3	Toluene		333 =	ug/L	5.00	20.0
100-41-4	Ethylbenzene		810 =	ug/L	5.00	20.0
1330-20-7	Xylenes (total)	B	3570 = FOL, FOB	ug/L	5.00	20.0

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201682
Lab Sample ID: 201682007

Client ID: AK1618
Batch ID: 722061
Run Date: 01/29/2008 18:44
Prep Date: 01/29/2008 14:08
Data File: s7a2914.d

Date Collected: 01/24/2008 13:28
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 980 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: J
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.02 u	ug/L	0.316	1.02
129-00-0	Pyrene	U	1.02 u	ug/L	0.306	1.02
91-20-3	Naphthalene		9.75 =	ug/L	0.306	1.02
91-57-6	2-Methylnaphthalene		2.12 =	ug/L	0.306	1.02
91-58-7	2-Chloronaphthalene	U	1.02 u	ug/L	0.357	1.02
208-96-8	Acenaphthylene	U	1.02 u	ug/L	0.204	1.02
86-73-7	Fluorene	J	0.349 J	ug/L	0.204	1.02
85-01-8	Phenanthrene	U	1.02 u	ug/L	0.204	1.02
120-12-7	Anthracene	U	1.02	ug/L	0.204	1.02
206-44-0	Fluoranthene	U	1.02	ug/L	0.204	1.02
56-55-3	Benzo(a)anthracene	U	1.02	ug/L	0.204	1.02
218-01-9	Chrysene	U	1.02	ug/L	0.204	1.02
205-99-2	Benzo(b)fluoranthene	U	1.02	ug/L	0.204	1.02
207-08-9	Benzo(k)fluoranthene	U	1.02	ug/L	0.204	1.02
50-32-8	Benzo(a)pyrene	U	1.02	ug/L	0.204	1.02
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.02	ug/L	0.204	1.02
53-70-3	Dibenzo(a,h)anthracene	U	1.02	ug/L	0.204	1.02
191-24-2	Benzo(ghi)perylene	U	1.02	ug/L	0.204	1.02

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682

METHOD TYPE: SW846

SAMPLE ID: 201682007

CLIENT ID: AK1618

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	6.5	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682
Lab Sample ID: 201682008Client ID: AK1718
Batch ID: 724167
Run Date: 02/05/2008 17:05
Prep Date: 02/05/2008 17:05
Data File: 2w222.dDate Collected: 01/24/2008 14:28
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

USP

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		5.97 =	ug/L	0.300	1.00
108-88-3	Toluene	D R 2350 202 =		ug/L	0.250	1.00
100-41-4	Ethylbenzene	D R 440 202 =		ug/L	0.250	1.00
1330-20-7	Xylenes (total)	DB 2070 920 =	F01, ug/L F08		0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682
Lab Sample ID: 201682008

Client ID: AK1718
Batch ID: 722061
Run Date: 01/29/2008 19:05
Prep Date: 01/29/2008 14:08
Data File: s7a2915.d

Date Collected: 01/24/2008 14:28
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene		4.05 <i>=</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene		1.15 <i>=</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(h)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682

METHOD TYPE: SW'846

SAMPLE ID: 201682008

CLIENT ID: AK1718

CONTRACT: SAJC08507

MATRIX:W

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	14.8	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682
Lab Sample ID: 201682009Client ID: AK1714 **DUPLICATE**
Batch ID: 724167
Run Date: 02/07/2008 12:53
Prep Date: 02/07/2008 12:53
Data File: 2w414.dDate Collected: 01/24/2008 14:28
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.I
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC08507
SOP Ref: G1-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW *USE*

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		6.51 =	ug/L	0.300	1.00
108-88-3	Toluene	<i>0 E 2250</i>	910 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene	<i>0 E 415</i>	317 =	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	<i>DB B 1910</i>	1400 =	<i>FOI, ug/L FOB</i>	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682
Lab Sample ID: 201682009

Client ID: AK1714
Batch ID: 722061
Run Date: 01/29/2008 19:26
Prep Date: 01/29/2008 14:08
Data File: s7a2916.d

DUPLICATE

Date Collected: 01/24/2008 14:28
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-QA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 u	ug/L	0.510	1.00
129-00-0	Pyrene	U	1.00 u	ug/L	0.500	1.00
91-20-3	Naphthalene		3.78 =	ug/L	0.500	1.00
91-57-6	2-Methylnaphthalene		1.01 =	ug/L	0.500	1.00
91-58-7	2-Chloronaphthalene	U	1.00 u	ug/L	0.550	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.500	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.500	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.500	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.500	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.500	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.500	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.500	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.500	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.500	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.500	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.500	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.500	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.500	1.00

DATA VALIDATION
COPY

METALS
-J-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682

METHOD TYPE: SW846

SAMPLE ID: 201682009

CLIENT ID: AK1714

DUPLICATE

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	12.6	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201682
Lab Sample ID: 201682010Client ID: AK1818
Batch ID: 724167
Run Date: 02/05/2008 22:42
Prep Date: 02/05/2008 22:42
Data File: 2w233.dDate Collected: 01/24/2008 15:25
Date Received: 01/25/2008 14:07
Client: SA1C085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SA1C08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

USE

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		1.56	ug/L	0.300	1.00
108-88-3	Toluene	D & 246	122	ug/L	0.250	1.00
100-41-4	Ethylbenzene	D & 1500	420	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	DB 5190	1020	F01, ug/L F08	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201682
Lab Sample ID: 201682010

Client ID: AK1818
Batch ID: 722061
Run Date: 01/29/2008 19:47
Prep Date: 01/29/2008 14:08
Data File: s7a2917.d

Date Collected: 01/24/2008 15:25
Date Received: 01/25/2008 14:07
Client: SAIC085
Method: SW846 8270C
Inst: MSD7J
Analyst: RMB
Aliquot: 1040 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/A.OQ
83-32-9	Acenaphthene	U	0.962 <i>u</i>	ug/L	0.298	0.962
129-00-0	Pyrene	U	0.962	ug/L	0.288	0.962
91-20-3	Naphthalene	U	0.962	ug/L	0.288	0.962
91-57-6	2-Methylnaphthalene	U	0.962	ug/L	0.337	0.962
91-58-7	2-Chloronaphthalene	U	0.962	ug/L	0.192	0.962
208-96-8	Acenaphthylene	U	0.962	ug/L	0.192	0.962
86-73-7	Fluorene	U	0.338 <i>u</i>	ug/L	0.192	0.962
85-01-8	Phenanthrene	U	0.962	ug/L	0.192	0.962
120-12-7	Anthracene	U	0.962	ug/L	0.192	0.962
206-44-0	Fluoranthene	U	0.962	ug/L	0.192	0.962
56-55-3	Benzo(a)anthracene	U	0.962	ug/L	0.192	0.962
218-01-9	Chrysene	U	0.962	ug/L	0.192	0.962
205-99-2	Benzo(b)fluoranthene	U	0.962	ug/L	0.192	0.962
207-08-9	Benzo(k)fluoranthene	U	0.962	ug/L	0.192	0.962
50-32-8	Benzo(a)pyrene	U	0.962	ug/L	0.192	0.962
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.962	ug/L	0.192	0.962
53-70-3	Dibenz(a,h)anthracene	U	0.962	ug/L	0.192	0.962
191-24-2	Benzo(ghi)perylene	U	0.962	ug/L	0.192	0.962

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201682

METHOD TYPE: SW846

SAMPLE ID: 201682010

CLIENT ID: AK1818

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 25-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	30	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705-1
Lab Sample ID: 201706001Client ID: AK1918
Batch ID: 724348
Run Date: 02/07/2008 19:33
Prep Date: 02/07/2008 19:33
Data File: 1w413.dDate Collected: 01/25/2008 08:38
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.1
Analyst: ACJ

Column: RTX-VolatilesMatrix: WATER

Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>U</i>	ug/L	0.300	1.00
108-88-3	Toluene	J	0.329 <i>J</i>	ug/L	0.250	1.00
100-41-4	Ethylbenzene	J	0.266 <i>J</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	BJ	1.0 <i>0.840 U Fol, 0.840 Fob</i>	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705-1
Lab Sample ID: 201706001

Client ID: AK1918
Batch ID: 722376
Run Date: 01/30/2008 19:30
Prep Date: 01/30/2008 14:23
Data File: s8a3022.d

Date Collected: 01/25/2008 08:38
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD8.I
Analyst: NAG1
Aliquot: 1010 mL
Column: J&W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	0.990 <i>LA</i>	ug/L	0.307	0.990
129-00-0	Pyrene	U	0.990	ug/L	0.297	0.990
91-20-3	Naphthalene	U	0.990	ug/L	0.297	0.990
91-57-6	2-Methylnaphthalene	U	0.990	ug/L	0.347	0.990
91-58-7	2-Chloronaphthalene	U	0.990	ug/L	0.198	0.990
208-96-8	Acenaphthylene	U	0.990	ug/L	0.198	0.990
86-73-7	Fluorene	U	0.990	ug/L	0.198	0.990
85-01-8	Phenanthrene	U	0.990	ug/L	0.198	0.990
120-12-7	Anthracene	U	0.990	ug/L	0.198	0.990
206-44-0	Fluoranthene	U	0.990	ug/L	0.198	0.990
56-55-3	Benzo(a)anthracene	U	0.990	ug/L	0.198	0.990
218-01-9	Chrysene	U	0.990	ug/L	0.198	0.990
205-99-2	Benzo(h)fluoranthene	U	0.990	ug/L	0.198	0.990
207-08-9	Benzo(k)fluoranthene	U	0.990	ug/L	0.198	0.990
50-32-8	Benzo(a)pyrene	U	0.990 <i>LA</i>	ug/L	0.198	0.990
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.990 <i>05</i>	ug/L	0.198	0.990
53-70-3	Dibenzo(a,h)anthracene	U	0.990	ug/L	0.198	0.990
191-24-2	Benzo(ghi)perylene	U	0.990	ug/L	0.198	0.990

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705-1

METHOD TYPE: SW846

SAMPLE ID: 201706001

CLIENT ID: AK1918

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	0.180	ug/L	B		MS	0.05	1	ICPMS5	080205-1

u F06

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537
Lab Sample ID: 201537008Client ID: AK2018
Batch ID: 723384
Run Date: 02/05/2008 12:05
Prep Date: 02/05/2008 12:05
Data File: 2w212.dDate Collected: 01/23/2008 15:15
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1

Column: DB-624

Matrix: GROUND WATER

Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 20
Purge Vol: 5 mL

Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		448	ug/L	6.00	20.0
108-88-3	Toluene		1370	ug/L	5.00	20.0
100-41-4	Ethylbenzene		653	ug/L	5.00	20.0
1330-20-7	Xylenes (total)		3280	ug/L	5.00	20.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201537
Lab Sample ID: 201537008

Client ID: AK2018
Batch ID: 721970
Run Date: 01/29/2008 14:19
Prep Date: 01/28/2008 17:06
Data File: s5a2917.d

Date Collected: 01/23/2008 15:15
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.1
Analyst: BJB1
Aliquot: 1000 mL
Column: J&W DB-5MS

Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	4.00 <i>U</i>	ug/L	1.24	4.00
129-00-0	Pyrene	U	4.00 <i>U</i>	ug/L	1.20	4.00
91-20-3	Naphthalene	J	3.37 <i>J</i>	ug/L	1.20	4.00
91-57-6	2-Methylnaphthalene	U	4.00 <i>U</i>	ug/L	1.20	4.00
91-58-7	2-Chloronaphthalene	U	4.00	ug/L	1.40	4.00
208-96-8	Acenaphthylene	U	4.00	ug/L	0.800	4.00
86-73-7	Fluorene	U	4.00	ug/L	0.800	4.00
85-01-8	Phenanthrene	U	4.00	ug/L	0.800	4.00
120-12-7	Anthracene	U	4.00	ug/L	0.800	4.00
206-44-0	Fluoranthene	U	4.00	ug/L	0.800	4.00
56-55-3	Benzo(a)anthracene	U	4.00	ug/L	0.800	4.00
218-01-9	Chrysene	U	4.00	ug/L	0.800	4.00
205-99-2	Benzo(b)fluoranthene	U	4.00	ug/L	0.800	4.00
207-08-9	Benzo(k)fluoranthene	U	4.00	ug/L	0.800	4.00
50-32-8	Benzo(a)pyrene	U	4.00	ug/L	0.800	4.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.00	ug/L	0.800	4.00
53-70-3	Dibenzo(a,b)anthracene	U	4.00	ug/L	0.800	4.00
191-24-2	Benzo(ghi)perylene	U	4.00	ug/L	0.800	4.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537

METHOD TYPE: SW846

SAMPLE ID: 201537008

CLIENT ID: AK208

CONTRACT: SAJC08507

MATRIX:G

DATE RECEIVED 24-JAN-08

LEVEL: Low % SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DI</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	204	ug/L			MS	(25	5	ICPMS+	080201-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537
Lab Sample ID: 201537007Client ID: AK2118
Batch ID: 723384
Run Date: 02/04/2008 22:39
Prep Date: 02/04/2008 22:39
Data File: 2w132.dDate Collected: 01/23/2008 14:18
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 50
Purge Vol: 5 mL
Level: LOW

V52

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		599 =	ug/L	15.0	50.0
108-88-3	Toluene	D E 5460	520 =	ug/L	12.5	50.0
100-41-4	Ethylbenzene		786 =	ug/L	12.5	50.0
1330-20-7	Xylenes (total)		3570 =	ug/L	12.5	50.0

DATA VALIDATION

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201537
Lab Sample ID: 201537007

Client ID: AK2118
Batch ID: 721970
Run Date: 01/29/2008 13:58
Prep Date: 01/28/2008 17:06
Data File: s5a2916.d

Date Collected: 01/23/2008 14:18
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD5.1
Analyst: BJB1
Aliquot: 1000 mL
Column: J&W DB-5MS

Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	4.00 <u>U</u>	ug/L	1.24	4.00
129-00-0	Pyrene	U	4.00 <u>U</u>	ug/L	1.20	4.00
91-20-3	Naphthalene		5.86 <u>=</u>	ug/L	1.20	4.00
91-57-6	2-Methylnaphthalene	J	1.22 <u>J</u>	ug/L	1.20	4.00
91-58-7	2-Chloronaphthalene	U	4.00 <u>U</u>	ug/L	1.40	4.00
208-96-8	Acenaphthylene	U	4.00	ug/L	0.800	4.00
86-73-7	Fluorene	U	4.00	ug/L	0.800	4.00
85-01-8	Phenanthrene	U	4.00	ug/L	0.800	4.00
120-12-7	Anthracene	U	4.00	ug/L	0.800	4.00
206-44-0	Fluoranthene	U	4.00	ug/L	0.800	4.00
56-55-3	Benzo(a)anthracene	U	4.00	ug/L	0.800	4.00
218-01-9	Chrysene	U	4.00	ug/L	0.800	4.00
205-99-2	Benzo(b)fluoranthene	U	4.00	ug/L	0.800	4.00
207-08-9	Benzo(k)fluoranthene	U	4.00	ug/L	0.800	4.00
50-32-8	Benzo(a)pyrene	U	4.00	ug/L	0.800	4.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.00	ug/L	0.800	4.00
53-70-3	Dibenzo(a,h)anthracene	U	4.00	ug/L	0.800	4.00
191-24-2	Benzo(ghi)perylene	U	4.00 <u>↓</u>	ug/L	0.800	4.00

DATA VALIDATION
COPY

METALS
-)-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201537

METHOD TYPE: SW846

SAMPLE ID: 201537007

CLIENT ID: AK2118

CONTRACT: SAJC08507

MATRIX:G

DATE RECEIVED 24-JAN-08

LEVEL: Low % SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument</u> <u>ID</u>	<u>Analytical</u> <u>Run</u>
7439-92-1	Lead	57.2	ug/L			MS	0.05	1	ICPMS6	080131-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705-1
Lab Sample ID: 201706002Client ID: AK2218
Batch ID: 724348
Run Date: 02/07/2008 20:57
Prep Date: 02/07/2008 20:57
Data File: 1w416.dDate Collected: 01/25/2008 09:35
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.I
Analyst: ACJ
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GI-OA-E-038
Dilution: 5
Purge Vol: 5 mL
Level: LOW

USE

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		497 =	ug/L	1.50	5.00
108-88-3	Toluene		250 =	ug/L	1.25	5.00
100-41-4	Ethylbenzene	D E 548	500 =	ug/L	1.25	5.00
1330-20-7	Xylenes (total)	B	2160 =	Fol, ug/L Fol	1.25	5.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705-1
Lab Sample ID: 201706002

Client ID: AK2218
Batch ID: 722376
Run Date: 01/30/2008 16:13
Prep Date: 01/30/2008 14:23
Data File: s8a3013.d

Date Collected: 01/25/2008 09:35
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD8.I
Analyst: NAG1
Aliquot: 1000 mL
Column: J&W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	4.00 <i>u</i>	ug/L	1.24	4.00
129-00-0	Pyrene	U	4.00 <i>u</i>	ug/L	1.20	4.00
91-20-3	Naphthalene		7.01 <i>=</i>	ug/L	1.20	4.00
91-57-6	2-Methylnaphthalene	J	1.48 <i>J</i>	ug/L	1.20	4.00
91-58-7	2-Chloronaphthalene	U	4.00 <i>u</i>	ug/L	1.40	4.00
208-96-8	Acenaphthylene	U	4.00	ug/L	0.800	4.00
86-73-7	Fluorene	U	4.00	ug/L	0.800	4.00
85-01-8	Phenanthrene	U	4.00	ug/L	0.800	4.00
120-12-7	Anthracene	U	4.00	ug/L	0.800	4.00
206-44-0	Fluoranthene	U	4.00	ug/L	0.800	4.00
56-55-3	Benzo(a)anthracene	U	4.00	ug/L	0.800	4.00
218-01-9	Chrysene	U	4.00	ug/L	0.800	4.00
205-99-2	Benzo(h)fluoranthene	U	4.00	ug/L	0.800	4.00
207-08-9	Benzo(k)fluoranthene	U	4.00	ug/L	0.800	4.00
50-32-8	Benzo(a)pyrene	U	4.00	ug/L	0.800	4.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.00 <i>u</i> <i>cos</i>	ug/L	0.800	4.00
53-70-3	Dibenzo(a,h)anthracene	U	4.00	ug/L	0.800	4.00
191-24-2	Benzo(ghi)perylene	U	4.00	ug/L	0.800	4.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705-1

METHOD TYPE: SW846

SAMPLE ID: 201706002

CLIENT ID: AK2218

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	9.4	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705-1
Lab Sample ID: 201706003Client ID: AK2318
Batch ID: 724348
Run Date: 02/08/2008 12:34
Prep Date: 02/08/2008 12:34
Data File: 1w510.dDate Collected: 01/25/2008 11:01
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.I
Analyst: ACJ
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 10
Purge Vol: 5 mL
Level: LOW

USP

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		93.4 =	ug/L	3.00	10.0
108-88-3	Toluene		21.4 =	ug/L	2.50	10.0
100-41-4	Ethylbenzene		871 =	ug/L	2.50	10.0
1330-20-7	Xylenes (total)		D 2 B 2550 2480 = Fol, ug/L For		2.50	10.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705-1
Lab Sample ID: 201706003

Client ID: AK2318
Batch ID: 722376
Run Date: 01/30/2008 16:34
Prep Date: 01/30/2008 14:23
Data File: s8a3014.d

Date Collected: 01/25/2008 11:01
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD8.I
Analyst: NAG1
Aliquot: 1005 mL
Column: J&W DB-SMS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	3.98 <i>u</i>	ug/L	1.23	3.98
129-00-0	Pyrene	U	3.98 <i>u</i>	ug/L	1.19	3.98
91-20-3	Naphthalene		14.2 <i>=</i>	ug/L	1.19	3.98
91-57-6	2-Methylnaphthalene	J	3.11 <i>J</i>	ug/L	1.19	3.98
91-58-7	2-Chloronaphthalene	U	3.98 <i>u</i>	ug/L	1.39	3.98
208-96-8	Acenaphthylene	U	3.98	ug/L	0.796	3.98
86-73-7	Fluorene	U	3.98	ug/L	0.796	3.98
85-01-8	Phenanthrene	U	3.98	ug/L	0.796	3.98
120-12-7	Anthracene	U	3.98	ug/L	0.796	3.98
206-44-0	Fluoranthene	U	3.98	ug/L	0.796	3.98
56-55-3	Benzo(a)anthracene	U	3.98	ug/L	0.796	3.98
218-01-9	Chrysene	U	3.98	ug/L	0.796	3.98
205-99-2	Benzo(b)fluoranthene	U	3.98	ug/L	0.796	3.98
207-08-9	Benzo(k)fluoranthene	U	3.98	ug/L	0.796	3.98
50-32-8	Benzo(a)pyrene	U	3.98	ug/L	0.796	3.98
193-39-5	Indeno(1,2,3-cd)pyrene	U	3.98 <i>u</i> <i>cos</i>	ug/L	0.796	3.98
53-70-3	Dibenzo(a,h)anthracene	U	3.98	ug/L	0.796	3.98
191-24-2	Benzo(ghi)perylene	U	3.98	ug/L	0.796	3.98

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705-1

METHOD TYPE: SW846

SAMPLE ID: 201706003

CLIENT ID: AK2318

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	69.7	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705-1
Lab Sample ID: 201706004Client ID: AK2418
Batch ID: 724348
Run Date: 02/07/2008 20:01
Prep Date: 02/07/2008 20:01
Data File: 1w414.dDate Collected: 01/25/2008 12:04
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.1
Analyst: ACJMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

Column: RTX-Volatiles

Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	J	0.399 J	ug/L	0.300	1.00
108-88-3	Toluene		6.55 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene		50.3 =	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	B	143 = FOI, ug/L FO8	ug/L	0.250	1.00

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201705-1
Lab Sample ID: 201706004

Client ID: AK2418
Batch ID: 722376
Run Date: 01/30/2008 16:56
Prep Date: 01/30/2008 14:23
Data File: s8a3015.d

Date Collected: 01/25/2008 12:04
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD8.1
Analyst: NAG1
Aliquot: 1000 mL
Column: J&W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	4.00 <i>u</i>	ug/L	1.24	4.00
129-00-0	Pyrene	U	4.00	ug/L	1.20	4.00
91-20-3	Naphthalene	U	4.00	ug/L	1.20	4.00
91-57-6	2-Methylnaphthalene	U	4.00	ug/L	1.40	4.00
91-58-7	2-Chloronaphthalene	U	4.00	ug/L	0.800	4.00
208-96-8	Acenaphthylene	U	4.00	ug/L	0.800	4.00
86-73-7	Fluorene	U	4.00	ug/L	0.800	4.00
85-01-8	Phenanthrene	U	4.00	ug/L	0.800	4.00
120-12-7	Anthracene	U	4.00	ug/L	0.800	4.00
206-44-0	Fluoranthene	U	4.00	ug/L	0.800	4.00
56-55-3	Benzo(a)anthracene	U	4.00	ug/L	0.800	4.00
218-01-9	Chrysene	U	4.00	ug/L	0.800	4.00
205-99-2	Benzo(b)fluoranthene	U	4.00	ug/L	0.800	4.00
207-08-9	Benzo(k)fluoranthene	U	4.00	ug/L	0.800	4.00
50-32-8	Benzo(a)pyrene	U	4.00 <i>us cos</i>	ug/L	0.800	4.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.00	ug/L	0.800	4.00
53-70-3	Dibenzo(a,h)anthracene	U	4.00	ug/L	0.800	4.00
191-24-2	Benzo(ghi)perylene	U	4.00	ug/L	0.800	4.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705-1

METHOD TYPE: SW846

SAMPLE ID: 201706004

CLIENT ID: AK2418

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	6	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705-1
Lab Sample ID: 201706005Client ID: AK2518
Batch ID: 724348
Run Date: 02/07/2008 20:29
Prep Date: 02/07/2008 20:29
Data File: 1w415.dDate Collected: 01/25/2008 13:39
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.I
Analyst: ACJ
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>U</i>	ug/L	0.300	1.00
108-88-3	Toluene	U	1.00 <i>U</i>	ug/L	0.250	1.00
100-41-4	Ethylbenzene	J	0.252 <i>J</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	BJ	1.0 <i>0.762 U Fol</i>	ug/L	0.250	1.00

F06 W
*03/06/08*DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201705-1
Lab Sample ID: 201706005

Client ID: AK2518
Batch ID: 722376
Run Date: 01/30/2008 18:02
Prep Date: 01/30/2008 14:23
Data File: s8a3018.d

Date Collected: 01/25/2008 13:39
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD8.I
Analyst: NAG1
Aliquot: 1000 mL
Column: J&W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: G1-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 μ	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	U	1.00	ug/L	0.350	1.00
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.200	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00 μ 5	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705-1

METHOD TYPE: SW846

SAMPLE ID: 201706005

CLIENT ID: AK2518

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	0.370	ug/L	B		MS	0.05	1	ICPMS5	080205-1

J

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201705-1
Lab Sample ID: 201706006Client ID: AK2618
Batch ID: 724348
Run Date: 02/07/2008 21:59
Prep Date: 02/07/2008 21:59
Data File: 1w417.dDate Collected: 01/25/2008 14:45
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.1
Analyst: ACJ

Column: RTX-VolatilesMatrix: WATER

Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 10
Purge Vol: 5 mL

Level: LOW

USP

CAS No.	Parinname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		382 =	ug/L	3.00	10.0
108-88-3	Toluene	D E 3280	2680 =	ug/L	2.50	10.0
100-41-4	Ethylbenzene		620 =	ug/L	2.50	10.0
1330-20-7	Xylenes (total)	D B 2580	2450 = F01, ug/L F08		2.50	10.0

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201705-1
Lab Sample ID: 201706006

Client ID: AK2618
Batch ID: 722376
Run Date: 01/30/2008 18:24
Prep Date: 01/30/2008 14:23
Data File: s8a3019.d

Date Collected: 01/25/2008 14:45
Date Received: 01/26/2008 14:15
Client: SAIC085
Method: SW846 8270C
Inst: MSD8.I
Analyst: NAG1
Aliquot: 1010 mL
Column: J&W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	3.96 <i>u</i>	ug/L	1.23	3.96
129-00-0	Pyrene	U	3.96 <i>u</i>	ug/L	1.19	3.96
91-20-3	Naphthalene	J	3.41 <i>J</i>	ug/L	1.19	3.96
91-57-6	2-Methylnaphthalene	U	3.96 <i>u</i>	ug/L	1.19	3.96
91-58-7	2-Chloronaphthalene	U	3.96	ug/L	1.39	3.96
208-96-8	Acenaphthylene	U	3.96	ug/L	0.792	3.96
86-73-7	Fluorene	U	3.96	ug/L	0.792	3.96
85-01-8	Phenanthrene	U	3.96	ug/L	0.792	3.96
120-12-7	Anthracene	U	3.96	ug/L	0.792	3.96
206-44-0	Fluoranthene	U	3.96	ug/L	0.792	3.96
56-55-3	Benzo(a)anthracene	U	3.96	ug/L	0.792	3.96
218-01-9	Chrysene	U	3.96	ug/L	0.792	3.96
205-99-2	Benzo(b)fluoranthene	U	3.96	ug/L	0.792	3.96
207-08-9	Benzo(k)fluoranthene	U	3.96	ug/L	0.792	3.96
50-32-8	Benzo(a)pyrene	U	3.96 <i>u5 c05</i>	ug/L	0.792	3.96
193-39-5	Indeno(1,2,3-cd)pyrene	U	3.96	ug/L	0.792	3.96
53-70-3	Dibenzo(a,h)anthracene	U	3.96	ug/L	0.792	3.96
191-24-2	Benzo(ghi)perylene	U	3.96	ug/L	0.792	3.96

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201705-1

METHOD TYPE: SW846

SAMPLE ID: 201706006

CLIENT ID: AK2618

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 26-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	25.5	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709-1
Lab Sample ID: 201710001Client ID: AK2718
Batch ID: 724348
Run Date: 02/09/2008 16:10
Prep Date: 02/09/2008 16:10
Data File: 1w615.dDate Collected: 01/26/2008 08:48
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.1
Analyst: ACJ

Column: RTX-VolatilesMatrix: WATER

Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 100
Purge Vol: 5 mL

Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		271	ug/L	30.0	100
108-88-3	Toluene		6570	ug/L	25.0	100
100-41-4	Ethylbenzene		680	ug/L	25.0	100
1330-20-7	Xylenes (total)		2720	ug/L	25.0	100

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709-1
Lab Sample ID: 201710001

Client ID: AK2718
Batch ID: 722660
Run Date: 01/31/2008 13:02
Prep Date: 01/30/2008 17:14
Data File: s7a3109.d

Date Collected: 01/26/2008 08:48
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene		1.15 <i>=</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00 <i>u</i>	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00 <i>u</i>	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00 <i>u</i>	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00 <i>u</i>	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00 <i>u</i>	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00 <i>u</i>	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00 <i>u</i>	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00 <i>u</i>	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00 <i>u</i>	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00 <i>u</i>	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00 <i>u</i>	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00 <i>u</i>	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00 <i>u</i>	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709-1

METHOD TYPE: SW846

SAMPLE ID: 201710001

CLIENT ID: AK2718

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	10.3	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709-1
Lab Sample ID: 201710002Client ID: AK2714 **DUPLICATE**
Batch ID: 724348
Run Date: 02/09/2008 16:38
Prep Date: 02/09/2008 16:38
Data File: 1w616.dDate Collected: 01/26/2008 08:48
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.1
Analyst: ACJMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 100
Purge Vol: 5 mL

Column: RTX-Volatiles

Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		208	ug/L	30.0	100
108-88-3	Toluene		5210	ug/L	25.0	100
100-41-4	Ethylbenzene		543	ug/L	25.0	100
1330-20-7	Xylenes (total)		2160	ug/L	25.0	100

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709-1
Lab Sample ID: 201710002

Client ID: AK2714 **DUPLICATE**
Batch ID: 722660
Run Date: 01/31/2008 13:23
Prep Date: 01/30/2008 17:14
Data File: s7a3110.d

Date Collected: 01/26/2008 08:48
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 μ	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 $\downarrow$	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00 $\downarrow$	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene		1.20 =	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 μ	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00 $\downarrow$	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00 $\downarrow$	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00 $\downarrow$	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00 $\downarrow$	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00 $\downarrow$	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00 $\downarrow$	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00 $\downarrow$	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00 $\downarrow$	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00 $\downarrow$	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00 $\downarrow$	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00 $\downarrow$	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00 $\downarrow$	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00 $\downarrow$	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709-1

METHOD TYPE: SW846

SAMPLE ID: 201710002

CLIENT ID: AK2714

DUPLICATE

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	11.2	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709-1
Lab Sample ID: 201710003Client ID: AK2818
Batch ID: 724348
Run Date: 02/09/2008 12:44
Prep Date: 02/09/2008 12:44
Data File: 1w609.dDate Collected: 01/26/2008 09:56
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.1
Analyst: ACJ
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 20
Purge Vol: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		1360 =	ug/L	6.00	20.0
108-88-3	Toluene		555	ug/L	5.00	20.0
100-41-4	Ethylbenzene		715	ug/L	5.00	20.0
1330-20-7	Xylenes (total)		2650	ug/L	5.00	20.0

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201709-1
Lab Sample ID: 201710003

Client ID: AK2818
Batch ID: 722660
Run Date: 01/31/2008 13:44
Prep Date: 01/30/2008 17:14
Data File: s7a3111.d

Date Collected: 01/26/2008 09:56
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parame	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <u>u</u>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <u>u</u>	ug/L	0.300	1.00
91-20-3	Naphthalene		10.3 =	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene		2.07 =	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <u>u</u>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709-1

METHOD TYPE: SW846

SAMPLE ID: 201710003

CLIENT ID: AK2818

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	25.8	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709-1
Lab Sample ID: 201710004Client ID: AK2918
Batch ID: 724348
Run Date: 02/09/2008 13:12
Prep Date: 02/09/2008 13:12
Data File: 1w610.dDate Collected: 01/26/2008 10:53
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.I
Analyst: ACJ

Column: RTX-VolatilesMatrix: WATER

Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 20
Purge Vol: 5 mL

Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		709 =	ug/L	6.00	20.0
108-88-3	Toluene		292	ug/L	5.00	20.0
100-41-4	Ethylbenzene		919	ug/L	5.00	20.0
1330-20-7	Xylenes (total)		3490	ug/L	5.00	20.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709-1
Lab Sample ID: 201710004

Client ID: AK2918
Batch ID: 722660
Run Date: 01/31/2008 14:05
Prep Date: 01/30/2008 17:14
Data File: s7a3112.d

Date Collected: 01/26/2008 10:53
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.I
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <u>U</u>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <u>U</u>	ug/L	0.300	1.00
91-20-3	Naphthalene		7.36 <u>=</u>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene		1.54 <u>=</u>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <u>U</u>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709-1

METHOD TYPE: SW846

SAMPLE ID: 201710004

CLIENT ID: AK2918

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	29.4	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709-1
Lab Sample ID: 201710005Client ID: AK3018
Batch ID: 724348
Run Date: 02/09/2008 13:40
Prep Date: 02/09/2008 13:40
Data File: 1w611.dDate Collected: 01/26/2008 12:06
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.I
Analyst: ACJ
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 5
Purge Vol: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		10.4 =	ug/L	1.50	5.00
108-88-3	Toluene	J	2.04 J	ug/L	1.25	5.00
100-41-4	Ethylbenzene		70.3 =	ug/L	1.25	5.00
1330-20-7	Xylenes (total)		330 =	ug/L	1.25	5.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709-1
Lab Sample ID: 201710005

Client ID: AK3018
Batch ID: 722660
Run Date: 01/31/2008 14:26
Prep Date: 01/30/2008 17:14
Data File: s7a3113.d

Date Collected: 01/26/2008 12:06
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: G1-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene		1.14 <i>=</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	J	0.462 <i>J</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(h)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709-1

METHOD TYPE: SW846

SAMPLE ID: 201710005

CLIENT ID: AK3018

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	14.1	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709-1
Lab Sample ID: 201710006Client ID: AK3118
Batch ID: 724348
Run Date: 02/09/2008 10:22
Prep Date: 02/09/2008 10:22
Data File: 1w604.dDate Collected: 01/26/2008 13:30
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.1
Analyst: ACJ
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>U</i>	ug/L	0.300	1.00
108-88-3	Toluene	J	0.270 <i>J</i>	ug/L	0.250	1.00
100-41-4	Ethylbenzene	J	0.579 <i>J</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)		1.74 <i>=</i>	ug/L	0.250	1.00

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201709-J
Lab Sample ID: 201710006

Client ID: AK3118
Batch ID: 723302
Run Date: 02/04/2008 12:58
Prep Date: 02/01/2008 17:25
Data File: s7b0406.d

Date Collected: 01/26/2008 13:30
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-SMS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 μ	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	U	1.00	ug/L	0.350	1.00
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.200	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709-1

METHOD TYPE: SW846

SAMPLE ID: 201710006

CLIENT ID: AK3118

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	13	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744-1
Lab Sample ID: 201745001Client ID: AK3218
Batch ID: 724925
Run Date: 02/08/2008 03:50
Prep Date: 02/08/2008 03:50
Data File: 9w435.dDate Collected: 01/27/2008 08:45
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.1
Analyst: RXY1
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

USP

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		37.0 =	ug/L	0.300	1.00
108-88-3	Toluene	D E 2300	1280 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene	D E 472	470 =	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	D 1810	1200 =	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744-1
Lab Sample ID: 201745001

Client ID: AK3218
Batch ID: 723302
Run Date: 02/04/2008 13:20
Prep Date: 02/01/2008 17:25
Data File: s7b0407.d

Date Collected: 01/27/2008 08:45
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.I
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene		2.30 <i>=</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	J	0.515 <i>J</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744-1

METHOD TYPE: SW846

SAMPLE ID: 201745001

CLIENT ID: AK3218

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	7.9	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744-1
Lab Sample ID: 201745002Client ID: AK3214 **DUPLICATE**
Batch ID: 724925
Run Date: 02/08/2008 04:18
Prep Date: 02/08/2008 04:18
Data File: 9w436.dDate Collected: 01/27/2008 08:45
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.I
Analyst: RXY1Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

Column: RTX-Volatiles

Level: LOW

USO

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		32.5 =	ug/L	0.300	1.00
108-88-3	Toluene	D E 2240	1480 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene	D E 439	149 =	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	D 1620	1490 =	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744-1
Lab Sample ID: 201745002

Client ID: AK3214 **DUPLICATE**
Batch ID: 723302
Run Date: 02/04/2008 13:41
Prep Date: 02/01/2008 17:25
Data File: s7b0408.d

Date Collected: 01/27/2008 08:45
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene		2.32 <i>=</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	J	0.518 <i>J</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744-1

METHOD TYPE: SW846

SAMPLE ID: 201745002

CLIENT ID: AK3214

DUPLICATE

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	6.4	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744-1
Lab Sample ID: 201745003Client ID: AK3318
Batch ID: 724925
Run Date: 02/09/2008 05:41
Prep Date: 02/09/2008 05:41
Data File: 9w538.dDate Collected: 01/27/2008 09:56
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.I
Analyst: RXY1
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 25
Purge Vol: 5 mL
Level: LOW *USE*

CAS No.	Parimname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		153 =	ug/L	7.50	25.0
108-88-3	Toluene	D X 3700	3760 =	ug/L	6.25	25.0
100-41-4	Ethylbenzene		424 =	ug/L	6.25	25.0
1330-20-7	Xylenes (total)		1790 =	ug/L	6.25	25.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744-1
Lab Sample ID: 201745003

Client ID: AK3318
Batch ID: 722792
Run Date: 01/31/2008 22:42
Prep Date: 01/31/2008 11:53
Data File: s2a3109.d

Date Collected: 01/27/2008 09:56
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD2.1
Analyst: AGS1
Aliquot: 970 mL
Column: J&W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.03 <i>u</i>	ug/L	0.320	1.03
129-00-0	Pyrene	U	1.03 <i>u</i>	ug/L	0.309	1.03
91-20-3	Naphthalene		1.81 <i>=</i>	ug/L	0.309	1.03
91-57-6	2-Methylnaphthalene	J	0.483 <i>J</i>	ug/L	0.309	1.03
91-58-7	2-Chloronaphthalene	U	1.03 <i>u</i>	ug/L	0.361	1.03
208-96-8	Acenaphthylene	U	1.03	ug/L	0.206	1.03
86-73-7	Fluorene	U	1.03	ug/L	0.206	1.03
85-01-8	Phenanthrene	U	1.03	ug/L	0.206	1.03
120-12-7	Anthracene	U	1.03	ug/L	0.206	1.03
206-44-0	Fluoranthene	U	1.03	ug/L	0.206	1.03
56-55-3	Benzo(a)anthracene	U	1.03	ug/L	0.206	1.03
218-01-9	Chrysene	U	1.03	ug/L	0.206	1.03
205-99-2	Benzo(h)fluoranthene	U	1.03	ug/L	0.206	1.03
207-08-9	Benzo(k)fluoranthene	U	1.03	ug/L	0.206	1.03
50-32-8	Benzo(a)pyrene	U	1.03	ug/L	0.206	1.03
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.03	ug/L	0.206	1.03
53-70-3	Dibenzo(a,h)anthracene	U	1.03	ug/L	0.206	1.03
191-24-2	Benzo(ghi)perylene	U	1.03 <i>↓</i>	ug/L	0.206	1.03

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744-1

METHOD TYPE: SW846

SAMPLE ID: 201745003

CLIENT ID: AK3318

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	7	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744-1
Lab Sample ID: 201745004Client ID: AK3418
Batch ID: 724925
Run Date: 02/09/2008 06:09
Prep Date: 02/09/2008 06:09
Data File: 9w539.dDate Collected: 01/27/2008 10:56
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.1
Analyst: RXY1
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 25
Purge Vol: 5 mL
Level: LOW

USR

CAS No.	Parinname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		434 =	ug/L	7.50	25.0
108-88-3	Toluene	D E 4030	3980 =	ug/L	6.25	25.0
100-41-4	Ethylbenzene		673 =	ug/L	6.25	25.0
1330-20-7	Xylenes (total)		1380 =	ug/L	6.25	25.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744-1
Lab Sample ID: 201745004

Client ID: AK3418
Batch ID: 722792
Run Date: 01/31/2008 23:03
Prep Date: 01/31/2008 11:53
Data File: s2a3110.d

Date Collected: 01/27/2008 10:56
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD2.I
Analyst: AGS1
Aliquot: 1000 mL
Column: J&W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene		3.60 <i>=</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	J	0.692 <i>J</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744-1

METHOD TYPE: SW846

SAMPLE ID: 201745004

CLIENT ID: AK3418

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	18.8	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744-1
Lab Sample ID: 201745005Client ID: AK3518
Batch ID: 724925
Run Date: 02/09/2008 06:37
Prep Date: 02/09/2008 06:37
Data File: 9w540.dDate Collected: 01/27/2008 13:20
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.I
Analyst: RXY1
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 10
Purge Vol: 5 mL
Level: LOW

USE

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		157 =	ug/L	3.00	10.0
108-88-3	Toluene		276 =	ug/L	2.50	10.0
100-41-4	Ethylbenzene	D 2952	1000 =	ug/L	2.50	10.0
1330-20-7	Xylenes (total)		4490 =	ug/L	2.50	10.0

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744-1
Lab Sample ID: 201745005

Client ID: AK3518
Batch ID: 722792
Run Date: 01/31/2008 23:24
Prep Date: 01/31/2008 11:53
Data File: s2a3111.d

Date Collected: 01/27/2008 13:20
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD2.I
Analyst: AGS1
Aliquot: 1000 mL
Column: J&W DB-SMS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>↓</i>	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00 <i>↓</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	J	0.780 <i>J</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00 <i>↓</i>	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00 <i>↓</i>	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744-1

METHOD TYPE: SW846

SAMPLE ID: 201745005

CLIENT ID: AK3518

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	27.2	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201709-1
Lab Sample ID: 201710008Client ID: AK3618DL
Batch ID: 724348
Run Date: 02/09/2008 14:09
Prep Date: 02/09/2008 14:09
Data File: 1w612.dDate Collected: 01/26/2008 15:33
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.1
Analyst: ACJ
Column: RTX-VolatilesMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 5
Purge Vol: 5 mL
Level: LOW

JSE

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		9.47 =	ug/L	1.50	5.00
108-88-3	Toluene		8.85 =	ug/L	1.25	5.00
100-41-4	Ethylbenzene		D 447.424 =	ug/L	1.25	5.00
1330-20-7	Xylenes (total)		B D 1720.1570 =	F01 ug/L F08	1.25	5.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709-1
Lab Sample ID: 201710008

Client ID: AK3618
Batch ID: 722660
Run Date: 01/31/2008 15:29
Prep Date: 01/30/2008 17:14
Data File: s7a3116.d

Date Collected: 01/26/2008 15:33
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.I
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene		3.70 <i>=</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene		1.10 <i>=</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(h)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709-1

METHOD TYPE: SW846

SAMPLE ID: 201710008

CLIENT ID: AK3618

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	36.4	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709-1
Lab Sample ID: 201710007

Client ID: AK3718
Batch ID: 724348
Run Date: 02/09/2008 10:51
Prep Date: 02/09/2008 10:51
Data File: 1w605.d

Date Collected: 01/26/2008 14:25
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8260B
Inst: VOA1J
Analyst: ACJ

Column: RTX-Volatiles

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>u</i>	ug/L	0.300	1.00
108-88-3	Toluene	U	1.00 <i>u</i>	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00 <i>u</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	J	0.301 <i>J</i>	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201709-1
Lab Sample ID: 201710007

Client ID: AK3718
Batch ID: 722660
Run Date: 01/31/2008 15:08
Prep Date: 01/30/2008 17:14
Data File: s7a3115.d

Date Collected: 01/26/2008 14:25
Date Received: 01/27/2008 14:30
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	U	1.00	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201709-1

METHOD TYPE: SW846

SAMPLE ID: 201710007

CLIENT ID: AK3718

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 27-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	7.6	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201111-1
Lab Sample ID: 201112014Client ID: AK3818
Batch ID: 720957
Run Date: 01/28/2008 16:56
Prep Date: 01/28/2008 16:56
Data File: 2v123.dDate Collected: 01/16/2008 12:51
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

USO

CAS No.	Parinname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		1.28 =	ug/L	0.300	1.00
108-88-3	Toluene	D F 385	335 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene	D E 338	281 =	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	D 1220	1080 =	ug/L	0.250	1.00

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201111-1
Lab Sample ID: 201112014

Client ID: AK3818
Batch ID: 719340
Run Date: 01/21/2008 16:46
Prep Date: 01/18/2008 17:28
Data File: s7a2116.d

Date Collected: 01/16/2008 12:51
Date Received: 01/17/2008 09:30
Client: SAJC072
Method: SW846 8270C
Inst: MSD7.1
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-SMS

Matrix: WATER
Project: SAJC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parame	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene		1.98 <i>=</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	J	0.591 <i>J</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00 <i>u</i>	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,b)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201111-1

METHOD TYPE: SW846

SAMPLE ID: 201112014

CLIENT ID: AK3818

CONTRACT: SAJC007202

MATRIX: W

DATE RECEIVED 17-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	6	ug/L			MS	0.03	1	ICPMS6	080123

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201111-1
Lab Sample ID: 201112015Client ID: AK3918
Batch ID: 720957
Run Date: 01/28/2008 17:24
Prep Date: 01/28/2008 17:24
Data File: 2v124.dDate Collected: 01/16/2008 13:43
Date Received: 01/17/2008 09:30
Client: SAIC072
Method: SW846 8260B
Inst: VOA2J
Analyst: CDS1
Column: DB-624Matrix: WATER
Project: SAIC007202
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

US

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		2.04 =	ug/L	0.300	1.00
108-88-3	Toluene	D E 555	499 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene	D E 120	118 =	ug/L	0.250	1.00
1330-20-7	Xylenes (total)		475 =	ug/L	0.250	1.00

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201111-1
Lab Sample ID: 201112015

Client ID: AK3918
Batch ID: 719340
Run Date: 01/21/2008 17:08
Prep Date: 01/18/2008 17:28
Data File: s7a2117.d

Date Collected: 01/16/2008 13:43
Date Received: 01/17/2008 09:30
Client: SAJC072
Method: SW846 8270C
Inst: MSD7.I
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-SMS

Matrix: WATER
Project: SAJC007202
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: 5 µL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-20-3	Naphthalene	J	0.441 <i>J</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,b)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201111-1

METHOD TYPE: SW846

SAMPLE ID: 201112015

CLIENT ID: AK3918

CONTRACT: SAJC007202

MATRIX:W

DATE RECEIVED 17-JAN-08

LEVEL: Low % SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	11.2	ug/L			MS	0.03	1	ICPMS6	080123

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201537
Lab Sample ID: 201537009Client ID: AK4018
Batch ID: 723384
Run Date: 02/04/2008 17:52
Prep Date: 02/04/2008 17:52
Data File: 2w122.dDate Collected: 01/23/2008 16:28
Date Received: 01/24/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA2.1
Analyst: CDS1
Column: DB-624Matrix: GROUND WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		1.97	ug/L	0.300	1.00
108-88-3	Toluene		1.62	ug/L	0.250	1.00
100-41-4	Ethylbenzene		12.9	ug/L	0.250	1.00
1330-20-7	Xylenes (total)		67.3	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201537
Lab Sample ID: 201537(K19)

Client ID: AK4018
Batch ID: 721970
Run Date: 01/29/2008 14:41
Prep Date: 01/28/2008 17:06
Data File: s5a2918.d

Date Collected: 01/23/2008 16:29
Date Received: 01/24/2008 15:01
Client: SAIC081
Method: SW846 8270C
Inst: MSD5.1
Analyst: BJB
Aliquot: 1000 mL
Column: J&W DB-5MS

Matrix: GROUND WATER

Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: 5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	4.00	ug/L	1.20	4.00
129-00-0	Pyrene	U	4.00	ug/L	1.20	4.00
91-20-3	Naphthalene	U	4.00	ug/L	1.20	4.00
91-57-6	2-Methylnaphthalene	U	4.00	ug/L	1.20	4.00
91-58-7	2-Chloronaphthalene	U	4.00	ug/L	0.800	4.00
208-96-8	Acenaphthylene	U	4.00	ug/L	0.800	4.00
86-73-7	Fluorene	U	4.00	ug/L	0.800	4.00
85-01-8	Phenanthrene	U	4.00	ug/L	0.800	4.00
120-12-7	Anthracene	U	4.00	ug/L	0.800	4.00
206-44-0	Fluoranthene	U	4.00	ug/L	0.800	4.00
56-55-3	Benzo(a)anthracene	U	4.00	ug/L	0.800	4.00
218-01-9	Chrysene	U	4.00	ug/L	0.800	4.00
205-99-2	Benzo(b)fluoranthene	U	4.00	ug/L	0.800	4.00
207-08-9	Benzo(k)fluoranthene	U	4.00	ug/L	0.800	4.00
50-32-8	Benzo(a)pyrene	U	4.00	ug/L	0.800	4.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.00	ug/L	0.800	4.00
53-70-3	Dibenzo(a,h)anthracene	U	4.00	ug/L	0.800	4.00
191-24-2	Benzo(ghi)perylene	U	4.00	ug/L	0.800	4.00

DATA VALIDATION
COPY

METALS
- 1 -
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201557

METHOD TYPE: SW846

SAMPLE ID: 201557009

CLIENT ID: AK4018

CONTRACT: SAJC08507

MATRIX: C

DATE RECEIVED: 12-14-2015

LEVEL: Low % SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Q</u>	<u>Qual</u>	<u>M</u>	<u>DD</u>	<u>DI</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	10.2	ug/l			M	0.05		ICPMS	08015, -

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744-3
Lab Sample ID: 201745006Client ID: AK4118
Batch ID: 724925
Run Date: 02/09/2008 07:33
Prep Date: 02/09/2008 07:33
Data File: 9w542.dDate Collected: 01/27/2008 14:11
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.I
Analyst: RXY1Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 5
Purge Vol: 5 mL

Column: RTX-Volatiles

Level: LOW

USE

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene		12.4	ug/L =	1.50	5.00
108-88-3	Toluene		119	ug/L =	1.25	5.00
100-41-4	Ethylbenzene		302	ug/L =	1.25	5.00
1330-20-7	Xylenes (total)	D	1150 1180	ug/L =	1.25	5.00

"Data Validation Copy"

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744-1
Lab Sample ID: 201745006

Client ID: AK4118
Batch ID: 722792
Run Date: 01/31/2008 23:45
Prep Date: 01/31/2008 11:53
Data File: s2a3112.d

Date Collected: 01/27/2008 14:11
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD2.1
Analyst: AGS1
Aliquot: 1010 mL
Column: J&W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: G1-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	0.990 <i>u</i>	ug/L	0.307	0.990
129-00-0	Pyrene	U	0.990 <i>u</i>	ug/L	0.297	0.990
91-20-3	Naphthalene		1.17 =	ug/L	0.297	0.990
91-57-6	2-Methylnaphthalene	J	0.385 <i>J</i>	ug/L	0.297	0.990
91-58-7	2-Chloronaphthalene	U	0.990 <i>u</i>	ug/L	0.347	0.990
208-96-8	Acenaphthylene	U	0.990	ug/L	0.198	0.990
86-73-7	Fluorene	U	0.990	ug/L	0.198	0.990
85-01-8	Phenanthrene	U	0.990	ug/L	0.198	0.990
120-12-7	Anthracene	U	0.990	ug/L	0.198	0.990
206-44-0	Fluoranthene	U	0.990	ug/L	0.198	0.990
56-55-3	Benzo(a)anthracene	U	0.990	ug/L	0.198	0.990
218-01-9	Chrysene	U	0.990	ug/L	0.198	0.990
205-99-2	Benzo(h)fluoranthene	U	0.990	ug/L	0.198	0.990
207-08-9	Benzo(k)fluoranthene	U	0.990	ug/L	0.198	0.990
50-32-8	Benzo(a)pyrene	U	0.990	ug/L	0.198	0.990
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.990	ug/L	0.198	0.990
53-70-3	Dibenzo(a,h)anthracene	U	0.990	ug/L	0.198	0.990
191-24-2	Benzo(ghi)perylene	U	0.990	ug/L	0.198	0.990

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744-1

METHOD TYPE: SW846

SAMPLE ID: 201745006

CLIENT ID: AK4118

CONTRACT: SAIC08507

MATRIX: W

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	112	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201744-1
Lab Sample ID: 201745007Client ID: AK4218
Batch ID: 724925
Run Date: 02/09/2008 13:13
Prep Date: 02/09/2008 13:13
Data File: 9w550.dDate Collected: 01/27/2008 15:02
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8260B
Inst: VOA9.1
Analyst: RXY1Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

Column: RTX-Volatiles

Level: LOW

usr

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>U</i>	ug/L	0.300	1.00
108-88-3	Toluene		59.9 =	ug/L	0.250	1.00
100-41-4	Ethylbenzene	<i>D</i>	<i>2 480 48 =</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	<i>D</i>	<i>3080 1850 =</i>	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201744-1
Lab Sample ID: 201745007

Client ID: AK4218
Batch ID: 722792
Run Date: 02/01/2008 20:37
Prep Date: 01/31/2008 11:53
Data File: s2b0110.d

Date Collected: 01/27/2008 15:02
Date Received: 01/28/2008 14:50
Client: SAIC085
Method: SW846 8270C
Inst: MSD2.I
Analyst: AGS1
Aliquot: 1000 mL
Column: J&W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 4
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	4.00 <i>U</i>	ug/L	1.24	4.00
129-00-0	Pyrene	U	4.00 <i>u</i>	ug/L	1.20	4.00
91-20-3	Naphthalene		7.45 5.45 =	ug/L	1.20	4.00
91-57-6	2-Methylnaphthalene	U	4.00 <i>U</i>	ug/L	1.20	4.00
91-58-7	2-Chloronaphthalene	U	4.00	ug/L	1.40	4.00
208-96-8	Acenaphthylene	U	4.00	ug/L	0.800	4.00
86-73-7	Fluorene	U	4.00	ug/L	0.800	4.00
85-01-8	Phenanthrene	U	4.00	ug/L	0.800	4.00
120-12-7	Anthracene	U	4.00	ug/L	0.800	4.00
206-44-0	Fluoranthene	U	4.00	ug/L	0.800	4.00
56-55-3	Benzo(a)anthracene	U	4.00	ug/L	0.800	4.00
218-01-9	Chrysene	U	4.00	ug/L	0.800	4.00
205-99-2	Benzo(b)fluoranthene	U	4.00	ug/L	0.800	4.00
207-08-9	Benzo(k)fluoranthene	U	4.00	ug/L	0.800	4.00
50-32-8	Benzo(a)pyrene	U	4.00	ug/L	0.800	4.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	4.00	ug/L	0.800	4.00
53-70-3	Dibenzo(a,h)anthracene	U	4.00	ug/L	0.800	4.00
191-24-2	Benzo(ghi)perylene	U	4.00	ug/L	0.800	4.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201744-1

METHOD TYPE: SW846

SAMPLE ID: 201745007

CLIENT ID: AK4218

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 28-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	67.5	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201810-1

Lab Sample ID: 201811001

Client ID: AK4318

Batch ID: 724959

Run Date: 02/09/2008 18:03

Prep Date: 02/09/2008 18:03

Data File: 1w619.d

Date Collected: 01/28/2008 08:35

Date Received: 01/29/2008 15:05

Client: SAIC085

Method: SW846 8260B

Inst: VOA1.1

Analyst: ACJ

Matrix: WATER

Project: SAIC08507

SOP Ref: GL-OA-E-038

Dilution: 1

Purge Vol: 5 mL

Column: RTX-Volatiles

Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>u</i>	ug/L	0.300	1.00
108-88-3	Toluene	U	1.00 <i>↓</i>	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00 <i>↓</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	J	0.728 <i>J</i>	ug/L	0.250	1.00

DATA VALIDATION
COPY

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 201810-1
Lab Sample ID: 201811001

Client ID: AK4318
Batch ID: 722660
Run Date: 01/31/2008 16:33
Prep Date: 01/30/2008 17:14
Data File: s7a3119.d

Date Collected: 01/28/2008 08:35
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.I
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-5MS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	U	1.00	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201810-1

METHOD TYPE: SW846

SAMPLE ID: 201811001

CLIENT ID: AK4318

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 29-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	0.760	ug/L	B		MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201810-1
Lab Sample ID: 201811002Client ID: AK4418
Batch ID: 724959
Run Date: 02/09/2008 18:31
Prep Date: 02/09/2008 18:31
Data File: 1w620.dDate Collected: 01/28/2008 09:42
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA1.1
Analyst: ACJ

Column: RTX-VolatilesMatrix: WATER

Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mL

Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 <i>u</i>	ug/L	0.300	1.00
108-88-3	Toluene	U	1.00 <i>↓</i>	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00 <i>↓</i>	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	J	0.264 <i>J</i>	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201810-1
Lab Sample ID: 201811002

Client ID: AK4418
Batch ID: 722660
Run Date: 01/31/2008 16:54
Prep Date: 01/30/2008 17:14
Data File: s7a3120.d

Date Collected: 01/28/2008 09:42
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.I
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-SMS

Matrix: WATER
Project: SAIC08507
SOP Ref: G1-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	U	1.00	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	U	1.00	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00
205-99-2	Benzo(h)fluoranthene	U	1.00	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201810-1

METHOD TYPE: SW846

SAMPLE ID: 201811002

CLIENT ID: AK4418

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 29-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	0.270	ug/L	B		MS	0.05	1	ICPMS5	080205-1

5

DATA VALIDATION
COPY

Volatile
Certificate of Analysis
Sample SummarySDG Number: 201810-1
Lab Sample ID: 201811003Client ID: AK4518
Batch ID: 724959
Run Date: 02/09/2008 19:00
Prep Date: 02/09/2008 19:00
Data File: 1w621.dDate Collected: 01/28/2008 11:01
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8260B
Inst: VOA11
Analyst: ACJMatrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-038
Dilution: 1
Purge Vol: 5 mLColumn: RTX-Volatiles
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
71-43-2	Benzene	U	1.00 μ	ug/L	0.300	1.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00
1330-20-7	Xylenes (total)	U	1.00	ug/L	0.250	1.00

DATA VALIDATION
COPY

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 201810-1
Lab Sample ID: 201811003

Client ID: AK4518
Batch ID: 722660
Run Date: 01/31/2008 17:15
Prep Date: 01/30/2008 17:14
Data File: s7a3121.d

Date Collected: 01/28/2008 11:01
Date Received: 01/29/2008 15:05
Client: SAIC085
Method: SW846 8270C
Inst: MSD7.I
Analyst: RMB
Aliquot: 1000 mL
Column: J & W DB-SMS

Matrix: WATER
Project: SAIC08507
SOP Ref: GL-OA-E-009
Dilution: 1
Inj. Vol: .5 uL
Final Volume: 1 mL
Level: LOW

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
83-32-9	Acenaphthene	U	1.00 <i>u</i>	ug/L	0.310	1.00
129-00-0	Pyrene	J	0.668 <i>J</i>	ug/L	0.300	1.00
91-20-3	Naphthalene	U	1.00 <i>u</i>	ug/L	0.300	1.00
91-57-6	2-Methylnaphthalene	U	1.00	ug/L	0.300	1.00
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.350	1.00
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00
56-55-3	Benzo(a)anthracene	J	0.528 <i>J</i>	ug/L	0.200	1.00
218-01-9	Chrysene	J	0.386	ug/L	0.200	1.00
205-99-2	Benzo(b)fluoranthene	J	0.294	ug/L	0.200	1.00
207-08-9	Benzo(k)fluoranthene	U	1.00 <i>u</i>	ug/L	0.200	1.00
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00

DATA VALIDATION
COPY

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 201810-1

METHOD TYPE: SW846

SAMPLE ID: 201811003

CLIENT ID: AK4518

CONTRACT: SAIC08507

MATRIX:W

DATE RECEIVED 29-JAN-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>IDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-92-1	Lead	39.5	ug/L			MS	0.05	1	ICPMS5	080205-1

DATA VALIDATION
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CHAIN OF CUSTODY RECORD

201111%

201112%
COC NO.: PH1009

PROJECT NAME: Hunter - Pumphouse 1				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory					
PROJECT NUMBER: 01-1055-04-2945-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407					
PROJECT MANAGER: Patty Stoll																PHONE NO: (843) 556-8171					
Sample ID				Date Collected		Time Collected		Maths		BTEX		PAH		Lead		No. of Bottles/Vials		OVA SCREENING		OBSERVATIONS, COMMENTS	
TH0618				1/13/08		1515		QA								2				Trip Blank	
AU1028				1/14/08		0837		G/L		X						2					
AU1728				1/14/08		0936		G/L		X						2					
AU1428				1/14/08		1141		G/L		X						2					
AU1528				1/14/08		1153		G/L		X						2					
AK0118				1/15/08		1225		G/L		X		X		X		5				25% m poly for NS/ASD	
AR0218				1/15/08		1334		G/L		X		X		X		5					
AK0318				1/15/08		1442		G/L		X		X		X		5					
AK0418				1/15/08		1554		G/L		X		X		X		5				Duplicate	
AK0214				1/15/08		1334		G/L		X		X		X		5				Duplicate	
AK0718				1/16/08		0837		G/L		X		X		X		5					
AK0714				1/16/08		0837		G/L		X		X		X		5					
AK0618				1/16/08		0943		G/L		X		X		X		5					
RELINQUISHED BY: Timothy Coffey				Date/Time: 1/16/08		RECEIVED BY: Fele Ex				Date/Time: 1/16/08		TOTAL NUMBER OF CONTAINERS: See pg. 2		Cooler ID:		Cooler Temperature: 4°C		FEDEX NUMBER: 8348 9689 8709			
COMPANY NAME: SAC				Date/Time: 1700		COMPANY NAME: Fele Ex				Date/Time: 1700											
RECEIVED BY: P. Kest				Date/Time: 1/17/08		RELINQUISHED BY:				Date/Time:											
COMPANY NAME: B. L. O.				Date/Time: 0935		COMPANY NAME:				Date/Time:											
RELINQUISHED BY:				Date/Time: 01/17/08		RECEIVED BY:				Date/Time:											
COMPANY NAME:				Date/Time:		COMPANY NAME:				Date/Time:											

CHAIN OF CUSTODY RECORD

COC NO.: PH1009

PROJECT NAME: Hunter - Pumphouse 1				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory					
PROJECT NUMBER: 01-1055-04-2945-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407					
PROJECT MANAGER: Patty Stoll																PHONE NO: (843) 556-8171					
Sampler (Signature) <i>Timothy Coffey</i> (Printed Name) Timothy Coffey																OBSERVATIONS, COMMENTS: Insufficient Violence Gen PHH/Lead					
Sample ID	Date Collected	Time Collected	Matrix	No. of Bottles / Vials												OVA SCREENING					
AK4518	1/16/08	1448	GLU	2																	
AK3818	1/16/08	1251	GLU	5																	
AK3918	1/16/08	1343	GLU	5																	
 (Signature) (Printed Name) 																					
RECEIVED BY: <i>Timothy Coffey</i>				DATE/TIME: 1/16/08				RECEIVED BY: <i>Fed Ex</i>				DATE/TIME: 1/16/08				TOTAL NUMBER OF CONTAINERS: 62				Cooler Temperature: 4°C	
COMPANY NAME: SAC				1740				COMPANY NAME: Fed Ex				1700				Cooler ID:				FEDEX NUMBER: 83489689 8709	
RECEIVED BY: <i>P. Stoll</i>				DATE/TIME: 1/17/08				RELINQUISHED BY:				DATE/TIME:									
COMPANY NAME: D.B.V.				0930				COMPANY NAME:													
RECEIVED BY:				DATE/TIME:				RECEIVED BY:				DATE/TIME:									
COMPANY NAME:								COMPANY NAME:													



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201537, 201540 CHAIN OF CUSTODY RECORD

Page 1 of 2

COC NO.: PH1412

PROJECT NAME: Hunter - Pumphouse 1				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory			
PROJECT NUMBER: 01-1055-04-2945-200 305E-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407			
PROJECT MANAGER: Patty Stall																PHONE NO: (843) 556-8171			
Sampler (Signature) <i>Ben Wootton</i>		Sampler (Printed Name) Ben Wootton		Date Collected		Time Collected		Matrix		BTEX		Lead		No. of Bottles/Vials		OVA SCREENING		OBSERVATIONS, COMMENTS	
AK0619		1/23/08		0730		QA				X		X		2		N/A		Trip Blank	
AK0819		1/23/08		0912		Soil				X		X		2		3150 ppm			
AK0818		1/23/08		0941		GLO				X		X		5		N/A			
AK0919		1/23/08		1057		Soil				X		X		2		3640 ppm			
AK0915		1/23/08		1010		QA				X		X		5		N/A		Eq. Rinseate	
AK0918		1/23/08		1055		GLO				X		X		5		N/A			
AK1419		1/23/08		1147		Soil				X		X		2		840 ppm			
AK1418		1/23/08		1212		GLO				X		X		5		N/A			
AK1519		1/23/08		1243		Soil				X		X		2		2740 ppm			
AK1518		1/23/08		1310		GLO				X		X		5		N/A		2500-ml bottle Ben 01/23/08	
AK2119		1/23/08		1359		Soil				X		X		2		2770 ppm			
AK2118		1/23/08		1418		GLO				X		X		5		N/A			
AK2019		1/23/08		1441		Soil				X		X		2		63.1 ppm			
RELINQUISHED BY: <i>Ben Wootton</i>		Date/Time 01/23/08 1900		RECEIVED BY: <i>Thuy H. Phan</i>		Date/Time 01/24/08 1150		TOTAL NUMBER OF CONTAINERS: See Pg. 2		Cooler ID: WHA01/24/08		Cooler Temperature:		FEDEX NUMBER:					
COMPANY NAME: SAIC				COMPANY NAME: SAIC															
RECEIVED BY: <i>Thuy H. Phan</i>		Date/Time 01/23/08 1900		RELINQUISHED BY: <i>Ben Wootton</i>		Date/Time 01/24/08 1200		RELINQUISHED BY: <i>Ben Wootton</i>		Date/Time 01/24/08 1200		RELINQUISHED BY: <i>Ben Wootton</i>		Date/Time 01/24/08 1200		RELINQUISHED BY: <i>Ben Wootton</i>		Date/Time 01/24/08 1200	
COMPANY NAME: SAIC				COMPANY NAME: SAIC				COMPANY NAME: SAIC				COMPANY NAME: SAIC				COMPANY NAME: SAIC			
RELINQUISHED BY: <i>Thuy H. Phan</i>		Date/Time 01/23/08 1900		RECEIVED BY: <i>Ben Wootton</i>		Date/Time 01/24/08 1200		RELINQUISHED BY: <i>Ben Wootton</i>		Date/Time 01/24/08 1200		RELINQUISHED BY: <i>Ben Wootton</i>		Date/Time 01/24/08 1200		RELINQUISHED BY: <i>Ben Wootton</i>		Date/Time 01/24/08 1200	
COMPANY NAME: SAIC				COMPANY NAME: SAIC				COMPANY NAME: SAIC				COMPANY NAME: SAIC				COMPANY NAME: SAIC			



151 Lafayette Ave. Oak Ridge, TN 37830 (865) 481-4600

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COC NO.: 2101HJ

PROJECT NAME: Hunter - Pumphouse 1			REQUESTED PARAMETERS										LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-1055-04-2946-200-3452-206													LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407	
PROJECT MANAGER: Patty Stoll													PHONE NO: 18431556-8171	
Sampler (Signature): <i>Timothy Coffey</i>													OBSERVATIONS, COMMENTS:	
Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	Lead	No. of Bottles/ Vials				OVA SCREENING			
AK2018	1/23/08	1515	GLO	X	X	X	5				N/A			
AK4019	1/23/08	1603	Seil	X	X	X	2				2840 ppm			
AK4018	1/23/08	1628	GLO	X	X	X	5				N/A			
RELINQUISHED BY: <i>Timothy Coffey</i> COMPANY NAME: <i>SAIC</i>														
RECEIVED BY: <i>Patty Stoll</i> COMPANY NAME: <i>SAIC</i>			DATE/TIME: 1/23/08 1900		RECEIVED BY: <i>Ben Cullerton</i> COMPANY NAME: <i>CEL</i>		DATE/TIME: 01/23/08 1200		TOTAL NUMBER OF CONTAINERS: 56 COOLER ID:		COOLER TEMPERATURE: FEDEX NUMBER:			
RELINQUISHED BY: <i>Wally H</i> COMPANY NAME: <i>SAIC</i>			DATE/TIME: 01/23/08 1900		RELINQUISHED BY: <i>Ben Cullerton</i> COMPANY NAME: <i>CEL</i>		DATE/TIME: 01/23/08 1200		TOTAL NUMBER OF CONTAINERS: 56 COOLER ID:		COOLER TEMPERATURE: FEDEX NUMBER:			
RELINQUISHED BY: <i>Wally H</i> COMPANY NAME: <i>SAIC</i>			DATE/TIME: 01/24/08 1200		RECEIVED BY: <i>Ben Cullerton</i> COMPANY NAME: <i>CEL</i>		DATE/TIME: 01/24/08 1500		TOTAL NUMBER OF CONTAINERS: 56 COOLER ID:		COOLER TEMPERATURE: FEDEX NUMBER:			

2007-11-11



CHAIN OF CUSTODY RECORD

COC NO.: PH1014

PROJECT NAME: Hunter - Pumphouse 1				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 01-1055-04-2045-200																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29407	
PROJECT MANAGER: Patty Stoll																PHONE NO: (843) 556-8171	
Sample ID				Date Collected		Time Collected		Printed Name		No. of Bottles / Vials		OVA SCREENING		OBSERVATIONS, COMMENTS			
Supplier (Signature)				Date Collected		Time Collected		Printed Name		No. of Bottles / Vials		OVA SCREENING		OBSERVATIONS, COMMENTS			
Timothy Coffey				1/25/08		1425		Timothy Coffey		2		N/A		Trip Blank			
AK1919				1/25/08		0811		Soil		2		3.7 ppm		N/A			
AK1918				1/25/08		0838		Grw		5		N/A		Duplicate			
AK2219				1/25/08		0913		Soil		2		1834 ppm		Duplicate			
AK2213				1/25/08		0913		Soil		2		1834 ppm		Duplicate			
AK2218				1/25/08		0935		Grw		5		N/A		Duplicate			
AK2319				1/25/08		1444		Soil		2		2824 ppm		Duplicate			
AK2318				1/25/08		1141		Grw		5		N/A		Duplicate			
AK2419				1/25/08		1138		Soil		2		2934 ppm		Duplicate			
AK2418				1/25/08		1244		Grw		5		N/A		Duplicate			
AK2519				1/25/08		1346		Soil		2		13.3 ppm		Duplicate			
AK2518				1/25/08		1339		Grw		5		N/A		Duplicate			
AK2619				1/25/08		1425		Soil		2		114 ppm		Duplicate			
RELINQUISHED BY: Timothy Coffey				Date/Time: 01/25/08		1900		RECEIVED BY: P. A. Perit		Date/Time: 01/26/08		TOTAL NUMBER OF CONTAINERS: See Pg. 2		Cooler Temperature:			
COMPANY NAME: SAIC						1900		COMPANY NAME: G. E. B.		1120		Cooler ID:		FEDEX NUMBER:			
RECEIVED BY: Wimpff, P.				Date/Time: 01/25/08		1900		RELINQUISHED BY: P. A. Perit		Date/Time: 01/26/08		For soil samples: PAH and Lead are together in the same bag for,					
COMPANY NAME: SAIC						1900		COMPANY NAME: G. E. B.									
RELINQUISHED BY: Wimpff, P.				Date/Time: 01/26/08		1120		RECEIVED BY: M. J. Smith		Date/Time: 01/26/08							
COMPANY NAME: SAIC						1120		COMPANY NAME: G. E. B.		1415							



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PROJECT NAME: Hunter - Pumphouse 1

PROJECT NUMBER: 01-1055-04-2045-200
3456

PROJECT MANAGER: Patty Stoll

Sample ID: AK2618 Date Collected: 1/25/08 Time Collected: 1445 Matrix: GWW
Sample (Signature): Timothy Coffey (Printed Name)

BTX PAH Lead

XX XX

No. of Bottles/Vials: 5

OVA SCREENING: N/A

OBSERVATIONS, COMMENTS:

PHONE NO: (843)556-8171

REQUESTED PARAMETERS

LABORATORY NAME:
General Engineering Laboratory

LABORATORY ADDRESS:
2040 Savage Road
Charleston, SC 29407

COC NO.: PH1014

CHAIN OF CUSTODY RECORD

Page 2 of 2

Cooler Temperature:

FEDEX NUMBER:

TOTAL NUMBER OF CONTAINERS: 46

Cooler ID:

Date/Time: 01/26/08

1120

RECEIVED BY: P. Neut

COMPANY NAME: G.E. Co.

Date/Time: 01/25/08

1900

RELINQUISHED BY: Timothy Coffey

COMPANY NAME: SATC

RECEIVED BY: Wayne H. Van

COMPANY NAME: SATC

Date/Time: 01/25/08

1900

RELINQUISHED BY:

COMPANY NAME:

RELINQUISHED BY: Wayne H. Van

COMPANY NAME: SATC

Date/Time: 01/26/08

1120

RECEIVED BY: Wayne H. Van

COMPANY NAME: SATC

Date/Time: 1-26-08

1415

COC NO.: PH1015

CHAIN OF CUSTODY RECORD

[illegible][illegible]

PROJECT MANAGER: Patty Stoll

Supplier (Signature)  (Printed Name) 

PHONE NO: (843)556-8171

Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	Lead	OVA SCREENING		OBSERVATIONS, COMMENTS
							No. of		
AK2719	1/26/08	0828	Soil	X	X	X	2	2670 ppm	
AK2718	1/26/08	0848	GW	X	X	X	5	N/A	
AK2714	1/26/08	0848	GW	X	X	X	5	N/A	Duplicate
AK2819	1/26/08	0940	Soil	X	X	X	2	3380 ppm	
AK2818	1/26/08	0956	GW	X	X	X	5	N/A	
AK2919	1/26/08	1030	Soil	X	X	X	2	3140 ppm	
AK2918	1/26/08	1053	GW	X	X	X	5	N/A	
AK3019	1/26/08	1140	Soil	X	X	X	2	3830 ppm	
AK3018	1/26/08	1206	GW	X	X	X	5	N/A	Lead: 2500-ml per for 01/15/08
AK3119	1/26/08	1310	Soil	X	X	X	2	0 ppm	
AK3118	1/26/08	1330	GW	X	X	X	5	N/A	
AK3719	1/26/08	1357	Soil	X	X	X	2	0 ppm	
AK3713	1/26/08	1357	Soil	X	X	X	2	0 ppm	Duplicate

RECEIVED BY: <i>P. N. Vent</i>	Date/Time <i>01/26/08</i>	RECEIVED BY: <i>P. N. Vent</i>	Date/Time <i>01/27/08</i>
TOTAL NUMBER OF CONTAINERS: <i>52 pgs. 2</i>		TOTAL NUMBER OF CONTAINERS: <i>52 pgs. 2</i>	
COOLER ID:		COOLER ID:	
FEDEX NUMBER:		FEDEX NUMBER:	
COOLER TEMPERATURE:		COOLER TEMPERATURE:	

COMPANY NAME: CHAS	1900	1200	
COMPANY NAME: G E W	1901	1201	

RECEIVED BY: <i>W. J. [unclear]</i>	Date/Time <i>8/26/08</i>
RELINQUISHED BY: <i>P. W. [unclear]</i>	Date/Time <i>11/27/08</i>
For soil samples: P4H and Lead are	

COMPANY NAME: SAFC
1900

COMPANY NAME: GEL
14:30

TEGETER IN SAME DEED at:

RELINQUISHED BY:	Date/Time	RECEIVED BY:	Date/Time
<i>[Signature]</i>	12/27/08	<i>[Signature]</i>	1/23/09

COMPANY NAME:	0021
COMPANY NAME:	1749

for soil samples: P4H and Lead are together in same B-OZ.jar.

CHAIN OF CUSTODY RECORD

COC NO.: PH1015

[illegible]

