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FIRST QUARTER 2009 LONG TERM MONITORING REPORT FOR NORTH FUEL FARM NAS CECIL FIELD FL

7/31/2009

SOLUTIONS-IES INC

FIRST QUARTER 2009
LONG-TERM MONITORING REPORT

NORTH FUEL FARM
FORMER NAS CECIL FIELD
JACKSONVILLE, FL

CONTRACT NO. N62467-05-G-0193
CONTRACT TASK ORDER NO. 0003

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JULY 31, 2009

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We, the undersigned, do hereby affirm that the information contained in this report is accurate and correct to the best of our knowledge and belief.

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1.0 INTRODUCTION

Solutions-IES, Inc. (Solutions-IES) has been contracted by the Navy (NAVFAC Southeast), to provide long-term groundwater monitoring and operation and maintenance (O&M) services at North Fuel Farm (NFF), Former Naval Air Station (NAS) Cecil Field, Jacksonville, Florida, under Basic Ordering Agreement (BOA) Contract Number N62467-05-G-0193, Contract Task Order Number 0003. Under this contract, Solutions-IES performs quarterly groundwater monitoring. Solutions-IES is also contracted to perform O&M of the air sparge (AS) system and began these activities in March 2009. This First Quarter Monitoring Report summarizes the groundwater sampling activities conducted at the site on March 3, 2009.

1.1 SITE LOCATION AND DESCRIPTION

The site is located at the northeast corner of Aviation Avenue and Loop Road at NAS Cecil Field. A site location map is included as **Figure 1**. The NFF site formerly contained six 595,000-gallon JP-5 jet fuel storage tanks. Two of the tanks were installed in 1952 and four tanks were installed in 1954. Overflow protection was installed on all of the tanks in 1987. One of the tanks (76E) was removed from service in 1991 when a leak was discovered. The remaining five storage tanks, along with the earthen containment mound and associated impacted soil, were removed from the site in 2000 and 2001.

1.2 SITE HISTORY

Several spills from the tanks were identified at the NFF site. A spill of approximately 23,000 gallons occurred in 1987 and an additional 913,000 gallons was spilled in 1991. Corrective action to address the petroleum impacts was completed in 1991 and a Corrective Action Completion Report was submitted in 1992. Approximately 140,000 tons of petroleum-impacted soil was removed from the site (CH2M Hill, 2008). A supplemental investigation was completed in 1994 to assess impacts from a 1,800-gallon spill that occurred in November 1993.

Results of previous investigations conducted to determine the extent of impact from the petroleum release indicate groundwater contamination above the Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Levels (GCTLs) for the following constituents: benzene, ethylbenzene, toluene and xylenes (BTEX); naphthalene, 1-methylnaphthalene and 2-methylnaphthalene. The extent of petroleum contamination extends to the water table from depths of approximately 5 feet below ground

surface (ft bgs) to approximately 110 ft bgs. It was estimated that approximately 917,000 square feet were impacted with contaminants at concentrations exceeding the GCTLs (TtNUS 2004).

A combination of remediation techniques was chosen for the Site, including AS, biosparge (BS) and soil vapor extraction (SVE). The AS wells were installed in areas where benzene concentrations exceeded 1,000 micrograms per liter (μg/L). Eighty-two vertical AS wells were installed in these areas. The BS wells were installed in areas where benzene concentrations ranged from 100 μg/L to 1,000 μg/L. One hundred twenty-five vertical BS wells were installed in these areas. The SVE wells were installed in the footprint of the AS wells to capture vapor released as a result of the AS system operation. Ten horizontal SVE collection lines were installed at a depth of approximately 3 ft bgs in these areas.

Full-scale operation of the remediation systems began in mid-July 2005. CH2M Hill conducted an optimization study of the system and provided their recommendations in a report submitted in June 2008. The report recommended redefining the target treatment areas based on updated groundwater data, reconfiguring the treatment system and continued sampling of the existing monitoring well network on a quarterly basis for one year to determine the need for future use (CH2M Hill, 2008). The AS system was reconfigured and restarted in November 2008. The system continues to operate at the site but was shut down one week prior to the March 2009 sampling event.

2.0 GROUNDWATER MONITORING SUMMARY

Currently, 15 monitoring wells are sampled quarterly at the site. Monitoring well CEF-076-104D was destroyed during construction activities, and therefore, was not sampled in March 2009. The wells are screened at depths ranging between approximately 5 and 115 ft bgs.

Water levels were recorded and samples were collected from the monitoring wells listed below for analysis of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), total recoverable petroleum hydrocarbons (TRPH), natural attenuation (NA) parameters and field parameters as detailed in the following tables. Locations of the wells at this site are illustrated on **Figure 2**.

Monitoring Well	Parameters
CEF-372-13R	VOC, PAH, TRPH
CEF-076-49S	VOC, PAH, TRPH, NA
CEF-076-50I	VOC, PAH, TRPH

Monitoring Well	Parameters
CEF-076-57S	VOC, PAH, TRPH, NA
CEF-076-61I	VOC, PAH, TRPH, NA
CEF-076-70I	VOC, PAH, TRPH
CEF-076-93S	VOC, PAH, TRPH
CEF-076-94S	VOC, PAH, TRPH
CEF-076-95S	VOC, PAH, TRPH, NA
CEF-076-98D	VOC, PAH, TRPH
CEF-076-99D	VOC, PAH, TRPH, NA
CEF-076-100D	VOC, PAH, TRPH, NA
CEF-076-104D *	VOC, PAH, TRPH, NA
CEF-076-110D	VOC, PAH, TRPH
CEF-076-113S	VOC, PAH, TRPH
CEF-076-116D	VOC, PAH, TRPH, NA

*Not Sampled – Destroyed during construction activities

Analysis	Constituents	Analytical Method
VOCs		8260B
PAHs		8310
TRPH		FL PRO
NA Parameters	Sulfide	4500S
	Sulfate	300
	Total Organic Carbon	5310B
	Dissolved Oxygen	CHEMetrics® Kit/ Field Meter
	Total Inorganic Carbon	5310B
Field Parameters	Temperature pH Conductivity Turbidity ORP	Direct-reading meter

2.1 MONITORING WELL OBSERVATIONS

The integrity of the monitoring wells included in the long-term monitoring program was evaluated during the March 2009 sampling event. The field team noted that CEF-076-104D could not be located and an onsite contractor confirmed the well had been destroyed by construction activities. The top of the PVC

casing of CEF-076-13R was broken off and jagged during the March 2009 event. Also, the remaining wells had minor issues that do not affect the well integrity, such as missing bolts and locks.

2.2 WATER LEVEL MEASUREMENTS

Water level measurements were recorded for the 15 wells listed above. The top-of-casing elevations, depth-to-water and calculated water level elevations are provided in **Table 1**. No potentiometric maps were prepared for this sampling event because of the small amount of data collected compared to the relative area over which the wells are located. However, based on historical information groundwater flow at the site is towards the south (CH2M HILL, 2007).

2.3 GROUNDWATER SAMPLING

2.3.1 Methodology

Groundwater sampling was conducted at the NFF site on March 3, 2009. Fifteen monitoring wells (CEF-372-13R, CEF-76-49S, CEF-76-50I, CEF-76-57S, CEF-76-61I, CEF-76-70I, CEF-76-93S, CEF-76-94S, CEF-76-95S, CEF-76-98D, CEF-76-99D, CEF-76-100D, CEF-76-110D, CEF-76-113S and CEF-76-116D) were purged and sampled using low-flow methodology.

Wells were purged immediately before sampling using a low flow peristaltic pump, at an approximate rate equal to or less than the groundwater recharge rate, until field parameters (temperature, pH, conductivity, turbidity, and dissolved oxygen [DO]) stabilized. Oxidation-reduction potential (ORP) readings were also recorded during purging. Samples were collected for field analysis of DO using CHEMetrics® field test kits and field meters. Results of field measurements are summarized on **Table 2**. Copies of the groundwater sampling logs, including all field parameter measurements, are provided in **Appendix A**.

Groundwater sampling was conducted in general accordance with applicable state and local guidelines, and the Solutions-IES Work Plan (SIES, 2008). All samples collected were stored on ice and delivered to Accutest Laboratory (Accutest), a Florida-certified and National Environmental Laboratory Accreditation Program certified laboratory located in Orlando, Florida, via courier, under chain-of-custody procedures. A copy of the laboratory analytical report is provided in **Appendix B**.

2.4 INVESTIGATION DERIVED WASTE (IDW)

Purge water, wash water and rinse water were collected in 5-gallon containers and transferred to 55-gallon drums, segregated by historically hazardous wells and historically non-hazardous wells. IDW from wells CEF-076-49S, CEF-076-50I, CEF-076-70I, CEF-076-110D and CEF-076-113S were transferred to Drum SIES-002-030209 (hazardous). IDW from the 10 remaining wells was transferred to Drum SIES-001-030209 (non-hazardous). The drums were staged in the IDW Storage Building (Building 536). The NAS Jacksonville Public Works Department (PWD-JAX) was notified on March 9, 2009 that the drums were being kept in the building. The hazardous and non-hazardous data packages were forwarded to PWD-JAX on April 15, 2009.

3.0 SAMPLING AND ANALYTICAL RESULTS

3.1 DATA VALIDATION

Accutest data analysts validated all data according to laboratory standard operating procedures (SOPs). None of the data was rejected as a result of the data validation. However, as indicated in the laboratory case narrative, several QC samples were outside control limits for several of the methods run by the lab. Most QC issues were noted as matrix interference, sample homogeneity, and results biased low. The validation process also resulted in several data qualifiers. These are shown with the analyte concentrations in **Table 3**.

A limited data validation was also performed by Solutions-IES. The data validation evaluated data completeness, holding time compliance, laboratory blank contamination and detection limits. Methylene chloride was identified as a laboratory contaminant in samples collected from CEF-076-110D, CEF-076-70I and CEF-076-113S. No other issues were identified.

3.2 FIELD AND NATURAL ATTENUATION PARAMETERS

Groundwater samples were analyzed for the following natural attenuation parameters: DO, sulfide, sulfate, total organic carbon (TOC), and total inorganic carbon (TIC). In addition, field parameters including temperature, pH, conductivity, turbidity and ORP were measured and recorded during well purging. The results of the field measurements and natural attenuation parameters are summarized in **Table 2**.

Field measurements indicate that DO concentrations at the NFF site are relatively low with most of the wells exhibiting values between 0.05 to 1.10 mg/L in March 2009. Monitoring well CEF-372-13R had a higher DO concentration of 2.07 mg/L which is not consistent with historical values for this well. DO measurements were collected with a DO meter and a flow through cell while purging and confirmed with a CHEMetrics® field kit at the time of sample collection. The low values suggest that the groundwater at the site is probably anaerobic. The values collected using the field meter instead of the CHEMetrics® field kits exhibit generally higher values than those recorded in December 2008.

The pH values measured at the site in March 2009 ranged from 2.33 to 6.97. Values recorded in March 2009 are generally consistent with the values recorded in December 2008. Temperature, conductivity and turbidity values recorded in March 2009 are also generally consistent with the historical values recorded at this site.

Under anaerobic conditions, sulfate may be used as an electron acceptor during the process of biological degradation of petroleum compounds. Sulfate can be reduced to sulfide under anaerobic conditions. Decreasing levels of sulfate coupled with an increase in sulfide concentrations and decreased levels of BTEX can be used as an indicator that anaerobic biodegradation of the BTEX compounds may be occurring under sulfate reducing conditions. Sulfate concentrations exceeded the GCTL (250 mg/L) in wells CEF-076-49S, CEF-076-57S, CEF-076-61I, CEF-076-99D, CEF-076-100D, CEF-076-104D and CEF-076-116D; and exceeded the NADSC (2,500 mg/L) in wells CEF-076-61I and CEF-076-116D.

Several wells that had shown significant reductions in sulfate concentrations during the December 2008 sampling event had elevated concentrations in March 2009 which are more consistent with historical values for these wells. These wells include CEF-076-61I (<1 μg/L to 8,000 μg/L), CEF-076-100D (<1 μg/L to 3,010 μg/L) and CEF-076-116D (<1 μg/L to 13,800 μg/L). The sulfate concentration in well CEF-076-49S was 2,260 μg/L in March 2009 which is still above the GCTL but below the Natural Attenuation Default Source Concentration (NADSC) of 2,500 μg/L.

ORP is a measure of electron activity of the groundwater. Positive ORP values indicate that an oxidative environment exists in the aquifer and negative ORP values indicate a reducing environment. The ORP measurements collected at the site range from -42.6 to 451.2. These values indicate that the aquifers are predominantly oxidative, probably in response to the continued operation of the AS system.

3.3 GROUNDWATER RESULTS

Twelve of the 15 wells sampled contained concentrations of constituents above the GCTLs this reporting period: CEF-076-49S, CEF-076-50I, CEF-076-57S, CEF-076-61I, CEF-076-70I, CEF-076-93S, CEF-076-98D, CEF-076-99D, CEF-076-100D, CEF-076-110D, CEF-076-113S and CEF-076-116D. The constituents included benzene, ethylbenzene, xylenes, isopropylbenzene, methylene chloride, naphthalene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and sulfate. Five wells (CEF-076-61I, CEF-076-70I, CEF-076-110D, CEF-076-113S and CEF-076-116D) had constituents at concentrations above the NADSCs. Monitoring well CEF-076-104D, which historically has contained concentrations of sulfate and benzene above the GCTL, was destroyed during construction activities and was therefore not sampled in March 2009. Well locations and constituent concentrations in excess of the GCTLs are shown on **Figure 3**.

The following parameters were detected in the wells identified below during the March 2009 sampling event. A discussion of sulfate concentrations is presented in Section 4.2.

- Benzene was detected at or above the GCTL (1 μg/L) in wells CEF-076-49S, CEF-076-50I, CEF-076-57S, CEF-076-61I, CEF-076-98D and CEF-076-116D; and above the NADSC (100 μg/L) in wells CEF-076-70I, CEF-076-110D and CEF-076-113S.
- Ethylbenzene was detected above the NADSC (300 μg/L) in well CEF-076-113S.
- Xylenes were detected above the GCTL (20 μg/L) in well CEF-076-701; and above the NADSC (200 μg/L) in well CEF-076-113S.
- Isopropylbenzene was above the GCTL (0.8 μg/L) in wells CEF-076-61I and CEF-076-93S; and was detected above the NADSC (8 μg/L) in wells CEF-076-70I and CEF-076-113S.
- Methylene chloride was detected above the GCTL (5 μg/L) in wells CEF-076-70I and CEF-076-110D; and above the NADSC in well CEF-076-113S. Methylene chloride was also detected in the field blank and was indicated as being a laboratory contaminant in the Laboratory Analytical Report.
- 1,2,4-trimethylbenzene was detected above the GCTL (10 μg/L) in wells CEF-076-61I, CEF-076-70I and CEF-076-110D; and above the NADSC (100 μg/L) in well CEF-076-113S.
- 1,3,5-trimethylbenzene was detected above the GCTL (10 μg/L) in wells CEF-076-70I and CEF-076-113S.
- Naphthalene (Method 8310) concentrations were detected above the GCTL(14 μg/L) in well CEF-076-113S.
- Naphthalene (Method 8260) concentrations were detected above the GCTL (14 μg/L) in wells CEF-076-61I and CEF-076-70I. The reporting limit for naphthalene via Method 8360B was 200 μg/L for well MW-113S. Therefore, the concentration in this well may be above the GCTL as indicated by the analysis via Method 8310.

The historical benzene concentrations in select shallow wells are illustrated on **Figure 4**, benzene concentrations in intermediate wells are shown on **Figure 5**, and benzene concentrations in deep wells are shown on **Figure 6**. The historical concentrations for ethylbenzene, xylenes, isopropylbenzene and

naphthalene are depicted on **Figure 7, 8, 9** and **10**, respectively. A summary of historical sampling results can be found in **Table 3**. The March 2009 laboratory analytical report is included in **Appendix B**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The March 2009 groundwater sampling event was conducted in general accordance with previous sampling events. No changes have been made to the monitoring plan since Solutions-IES was awarded this contract in August 2008. Historical water level data suggests that groundwater at this site flows to the south.

Based on analytical results from the March 2009 sampling event, contaminant concentrations are similar to those reported for previous sampling events conducted at the site. Solutions-IES recommends continuing quarterly water level measurements and groundwater sampling at the fifteen wells included in the monitoring network for constituents of concern. In addition, monitoring well CEF-076-117D should be added to the monitoring program as a deep downgradient well to replace the destroyed well CEF-076-104D. It is recommended that a monitoring well be installed in the former area of CEF-076-104D after completion of the construction activities. Solutions-IES also recommends collecting water levels from additional wells in an effort to determine the predominant flow direction in the aquifers at this site.

5.0 REFERENCES

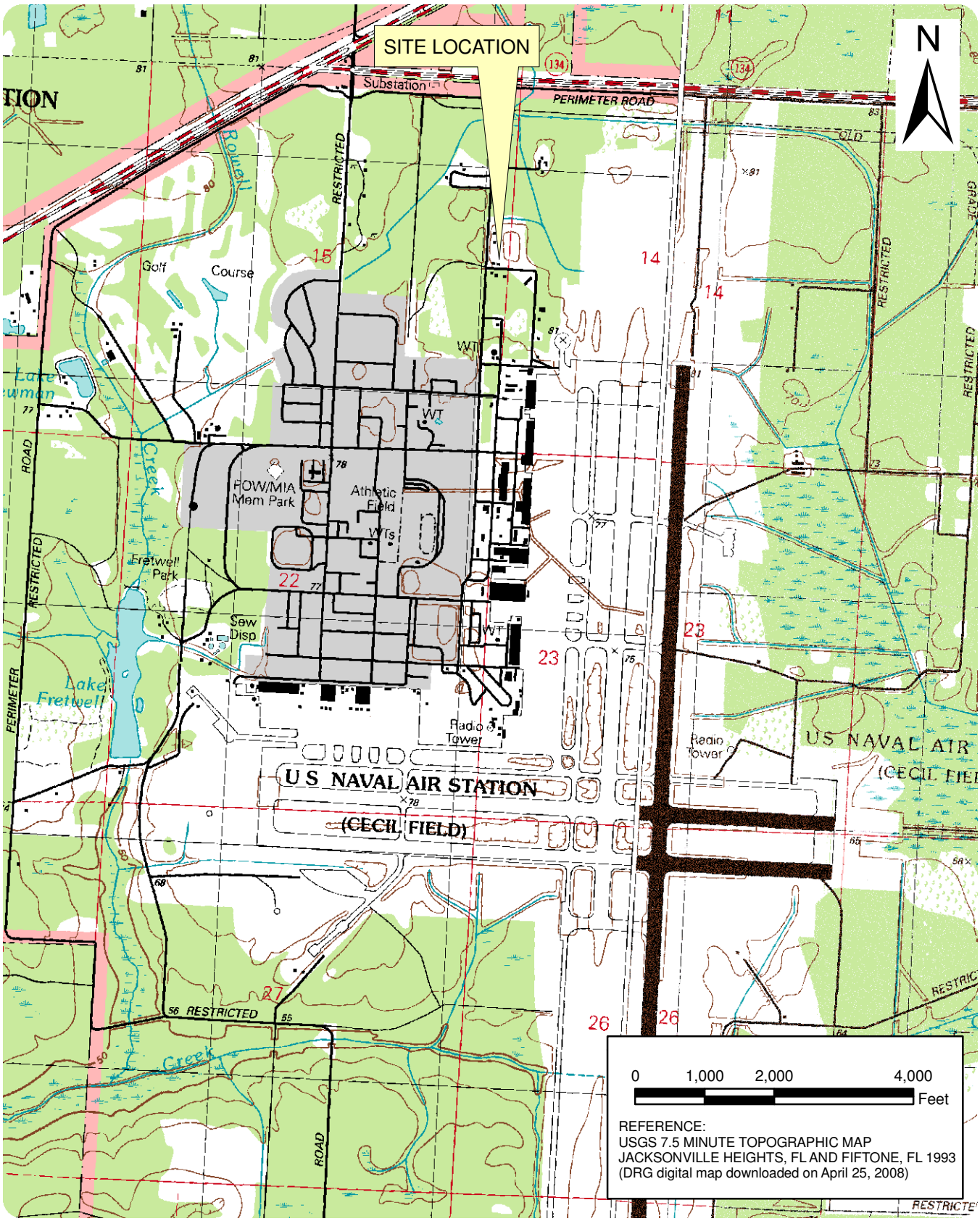
CH2M HILL, 2008. *Optimization Report for Air Sparging/Biosparging Treatment System, North Fuel Farm Site, Former Naval Air Station Cecil Field, Jacksonville, Florida.* Technical Memorandum. June 2008.

CH2M HILL, 2007. *Operations and Monitoring Status Report October 2006 – May 2007.* Air Sparge, Biosparge and SVE System North Fuel Farm Area Remediation Project, Naval Air Station Cecil Field, Jacksonville, Florida. November 2007.

Solutions-IES, Inc., 2008. *Work Plan-Long Term Monitoring and Operation & Maintenance,* Former Naval Air Station Cecil Field, Jacksonville, Florida, September 2008.

TetraTech NUS, 2004. *Remedial Action Plan Addendum for North Fuel Farm, Naval Air Station Cecil Field, Jacksonville, Florida.* March 2004.

FIGURES



PROJECT NUMBER 8030.08A2.NAVF

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DATE 11/07/08

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SITE LOCATION MAP
NORTH FUEL FARM
NAS CECIL FIELD
JACKSONVILLE, FL

FIGURE:

1

FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
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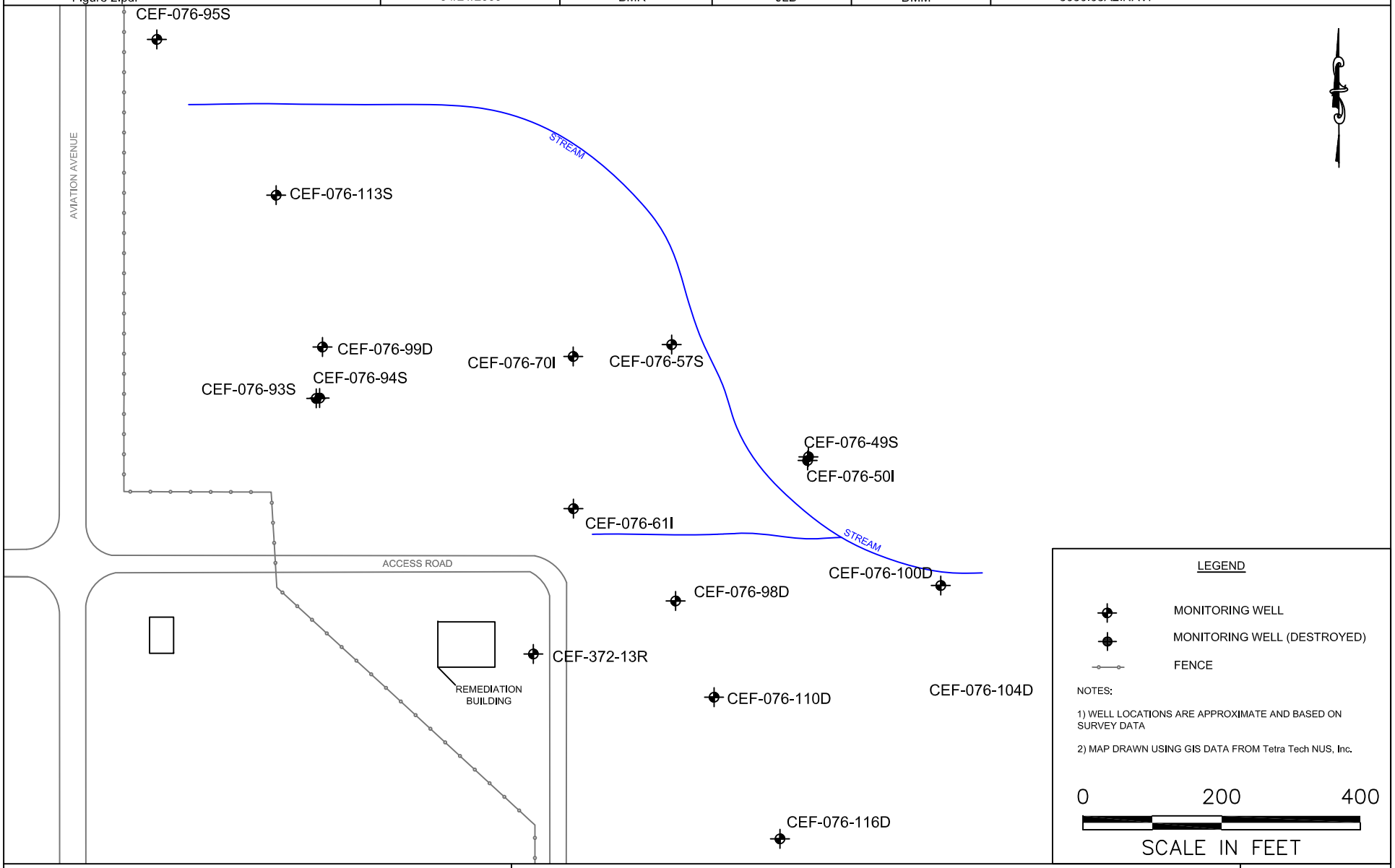

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WELL LOCATION MAP
NORTH FUEL FARM - NAS CECIL FIELD
JACKSONVILLE, FLORIDA
MARCH 2009

FIGURE:
2

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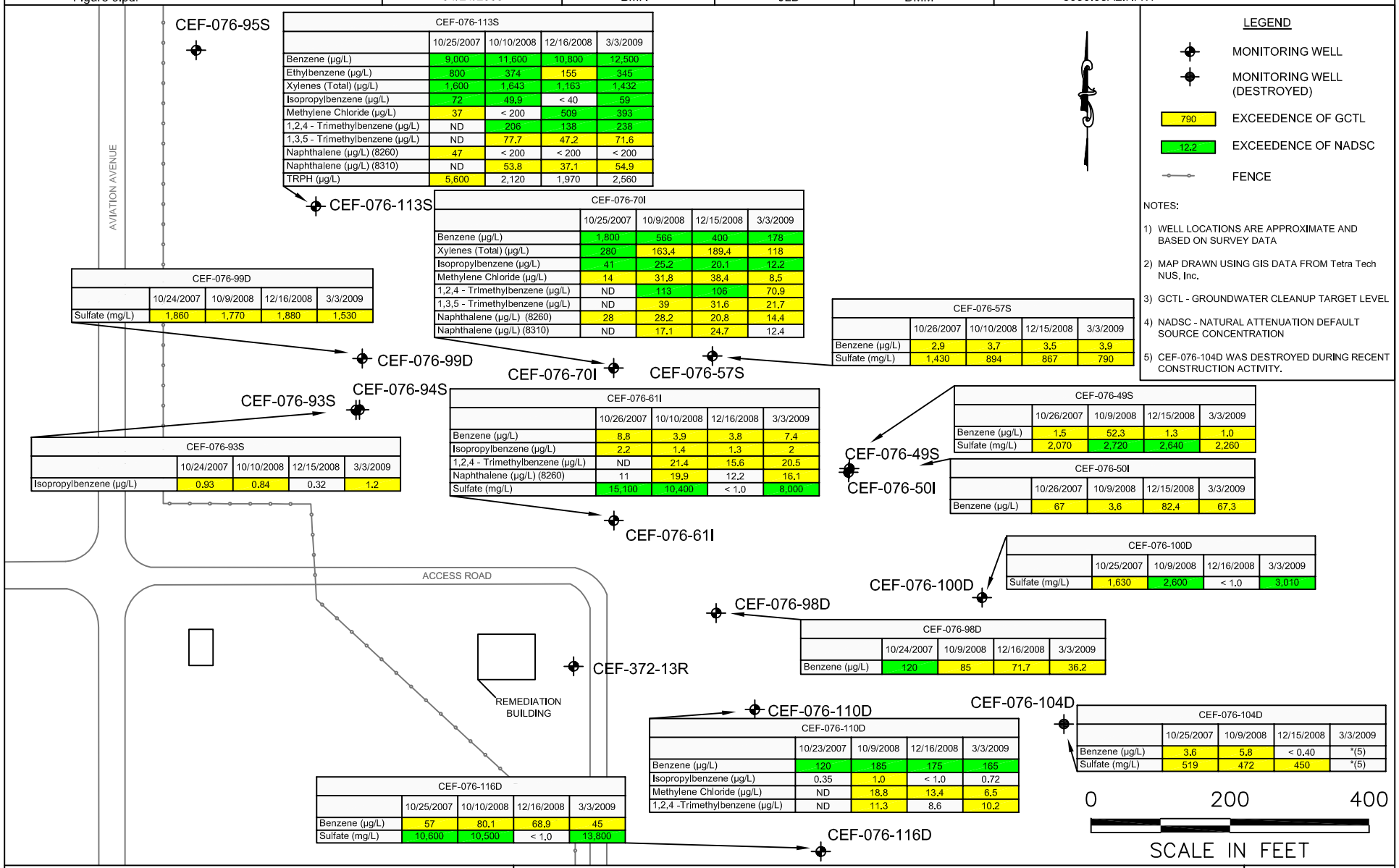
FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
Figure 3.pdf	04/21/2009	BMR	JLD	DMM	8030.08A2.NAVF



CEF-076-113S	10/25/2007	10/10/2008	12/16/2008	3/3/2009
Benzene (µg/L)	9,000	11,600	10,800	12,500
Ethylbenzene (µg/L)	800	374	155	345
Xylenes (Total) (µg/L)	1,600	1,643	1,163	1,432
Isopropylbenzene (µg/L)	72	49.9	< 40	59
Methylene Chloride (µg/L)	37	< 200	509	393
1,2,4 - Trimethylbenzene (µg/L)	ND	206	138	238
1,3,5 - Trimethylbenzene (µg/L)	ND	77.7	47.2	71.6
Naphthalene (µg/L) (8260)	47	< 200	< 200	< 200
Naphthalene (µg/L) (8310)	ND	53.8	37.1	54.9
TRPH (µg/L)	5,600	2,120	1,970	2,560

CEF-076-70I	10/25/2007	10/9/2008	12/15/2008	3/3/2009
Benzene (µg/L)	1,800	566	400	178
Xylenes (Total) (µg/L)	280	163.4	189.4	118
Isopropylbenzene (µg/L)	41	25.2	20.1	12.2
Methylene Chloride (µg/L)	14	31.8	38.4	8.5
1,2,4 - Trimethylbenzene (µg/L)	ND	113	106	70.9
1,3,5 - Trimethylbenzene (µg/L)	ND	39	31.6	21.7
Naphthalene (µg/L) (8260)	28	28.2	20.8	14.4
Naphthalene (µg/L) (8310)	ND	17.1	24.7	12.4

CEF-076-99D	10/24/2007	10/9/2008	12/16/2008	3/3/2009
Sulfate (mg/L)	1,860	1,770	1,880	1,530

CEF-076-57S	10/26/2007	10/10/2008	12/15/2008	3/3/2009
Benzene (µg/L)	2.9	3.7	3.5	3.9
Sulfate (mg/L)	1,430	894	867	790

CEF-076-93S	10/24/2007	10/10/2008	12/15/2008	3/3/2009
Isopropylbenzene (µg/L)	0.93	0.84	0.32	1.2

CEF-076-61I	10/26/2007	10/10/2008	12/16/2008	3/3/2009
Benzene (µg/L)	8.8	3.9	3.8	7.4
Isopropylbenzene (µg/L)	2.2	1.4	1.3	2
1,2,4 - Trimethylbenzene (µg/L)	ND	21.4	15.6	20.5
Naphthalene (µg/L) (8260)	11	19.9	12.2	16.1
Sulfate (mg/L)	15,100	10,400	< 1.0	8,000

CEF-076-49S	10/26/2007	10/9/2008	12/15/2008	3/3/2009
Benzene (µg/L)	1.5	52.3	1.3	1.0
Sulfate (mg/L)	2,070	2,720	2,640	2,260

CEF-076-50I	10/26/2007	10/9/2008	12/15/2008	3/3/2009
Benzene (µg/L)	67	3.6	82.4	67.3

CEF-076-100D	10/25/2007	10/9/2008	12/16/2008	3/3/2009
Sulfate (mg/L)	1,630	2,600	< 1.0	3,010

CEF-076-98D	10/24/2007	10/9/2008	12/16/2008	3/3/2009
Benzene (µg/L)	120	85	71.7	36.2

CEF-076-110D	10/23/2007	10/9/2008	12/16/2008	3/3/2009
Benzene (µg/L)	120	185	175	165
Isopropylbenzene (µg/L)	0.35	1.0	< 1.0	0.72
Methylene Chloride (µg/L)	ND	18.8	13.4	6.5
1,2,4 -Trimethylbenzene (µg/L)	ND	11.3	8.6	10.2

CEF-076-104D	10/25/2007	10/9/2008	12/15/2008	3/3/2009
Benzene (µg/L)	3.6	5.8	< 0.40	*(5)
Sulfate (mg/L)	519	472	450	*(5)

CEF-076-116D	10/25/2007	10/10/2008	12/16/2008	3/3/2009
Benzene (µg/L)	57	80.1	68.9	45
Sulfate (mg/L)	10,600	10,500	< 1.0	13,800

LEGEND

- MONITORING WELL
- MONITORING WELL (DESTROYED)
- 790 — EXCEEDENCE OF GCTL
- 12.2 — EXCEEDENCE OF NADSC
- FENCE

NOTES:

1) WELL LOCATIONS ARE APPROXIMATE AND BASED ON SURVEY DATA
2) MAP DRAWN USING GIS DATA FROM Tetra Tech NUS, Inc.
3) GCTL - GROUNDWATER CLEANUP TARGET LEVEL
4) NADSC - NATURAL ATTENUATION DEFAULT SOURCE CONCENTRATION
5) CEF-076-104D WAS DESTROYED DURING RECENT CONSTRUCTION ACTIVITY.

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CONTAMINANT CONCENTRATION MAP
NORTH FUEL FARM - NAS CECIL FIELD
JACKSONVILLE, FLORIDA
MARCH 2009

FIGURE: 3

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FIGURE 4
Historical Benzene Concentrations in Select Shallow Wells

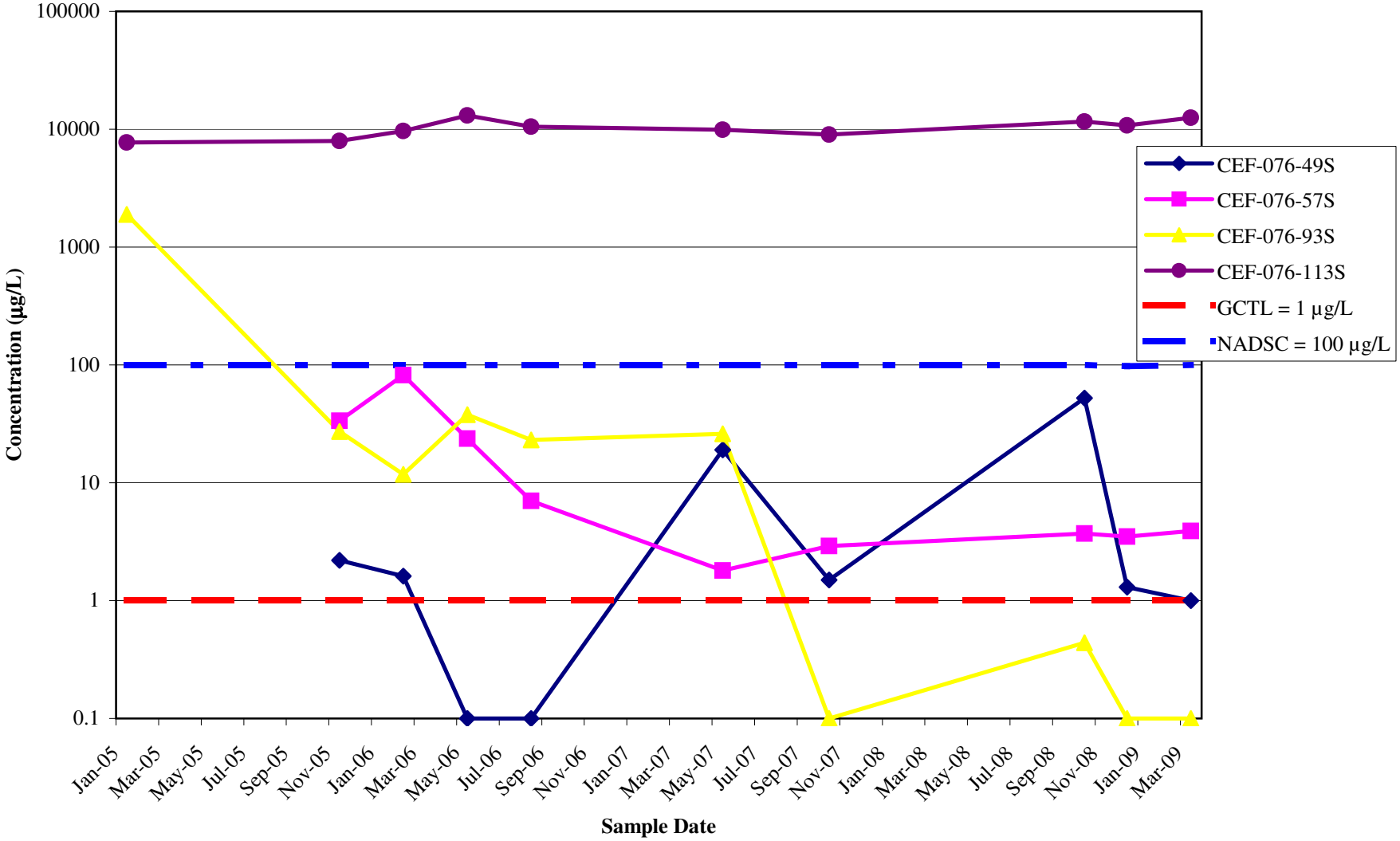


FIGURE 5
Historical Benzene Concentrations in Select Intermediate Wells

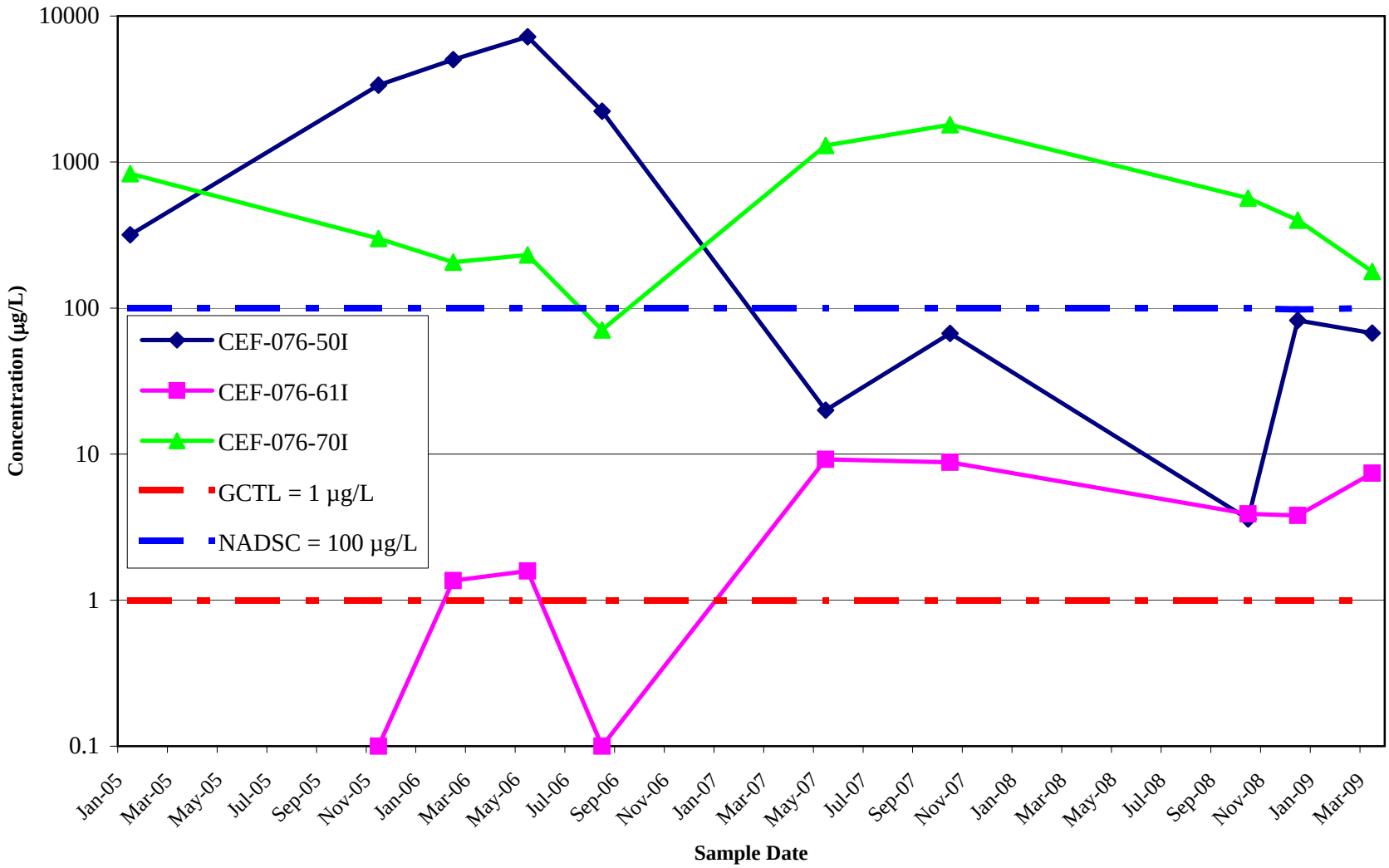


FIGURE 6
Historical Benzene Concentrations in Select Deep Wells

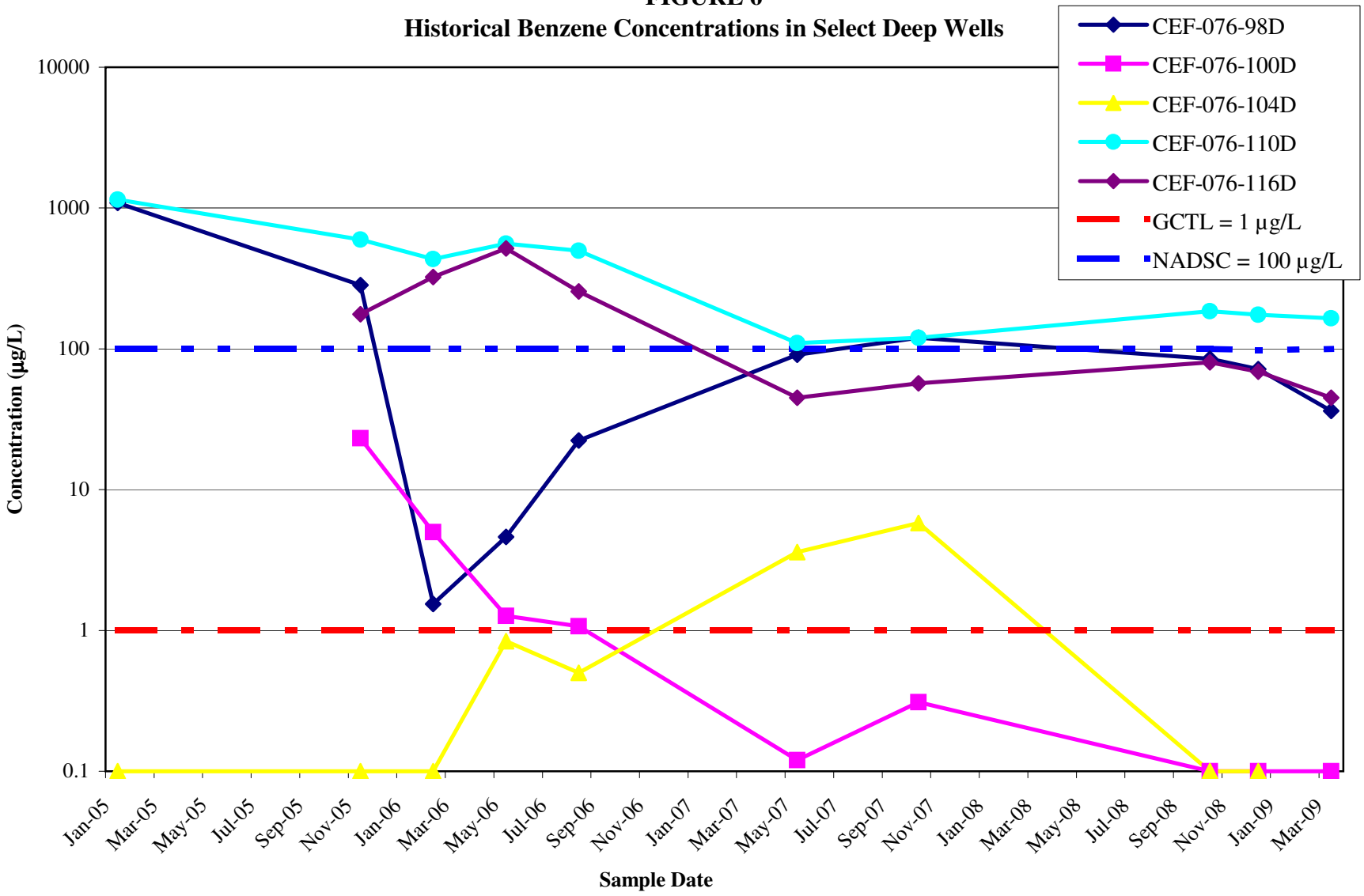


FIGURE 7
Historical Ethylbenzene Concentrations in Select Wells

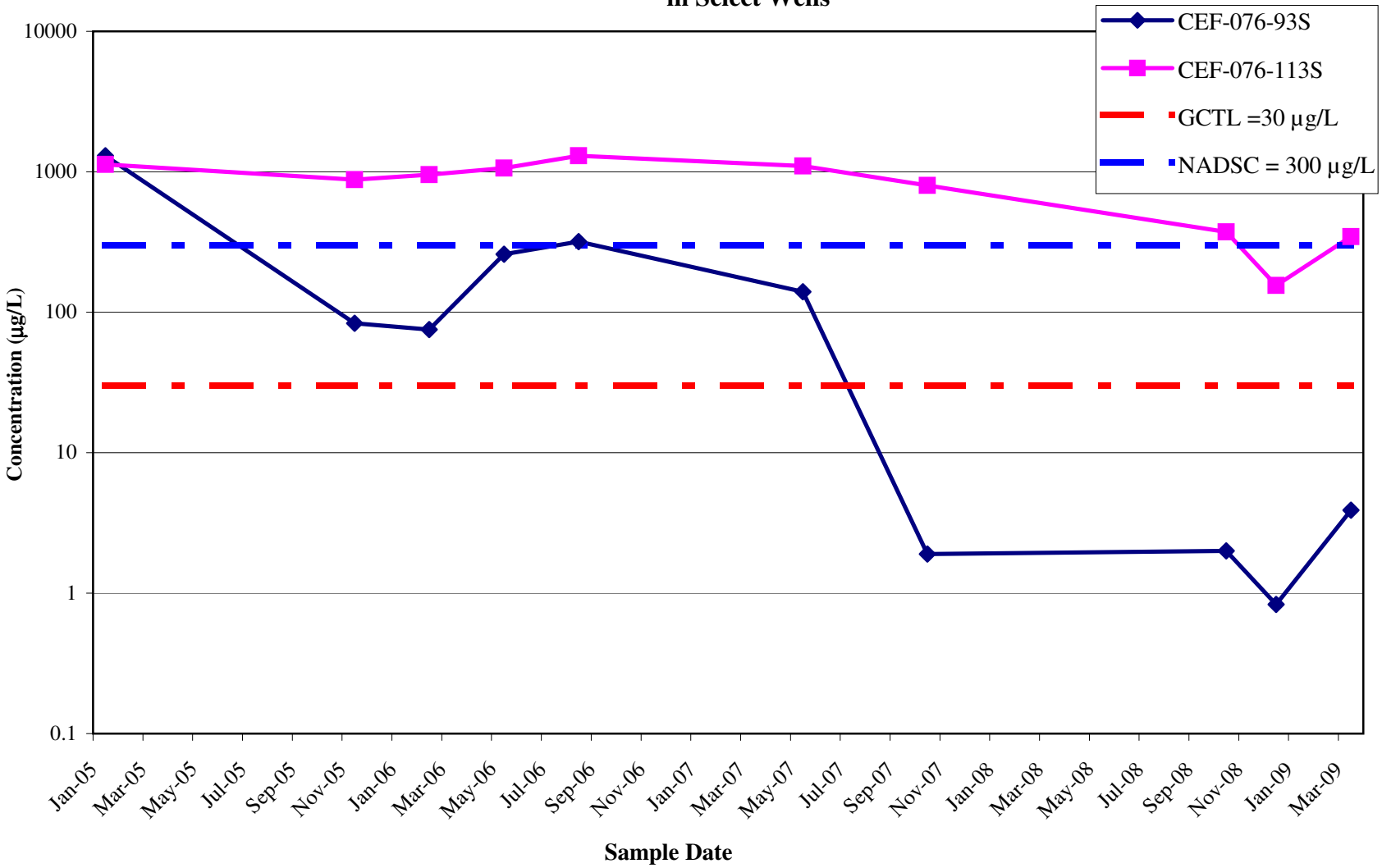


FIGURE 8
Historical Xylenes Concentrations
in Select Wells

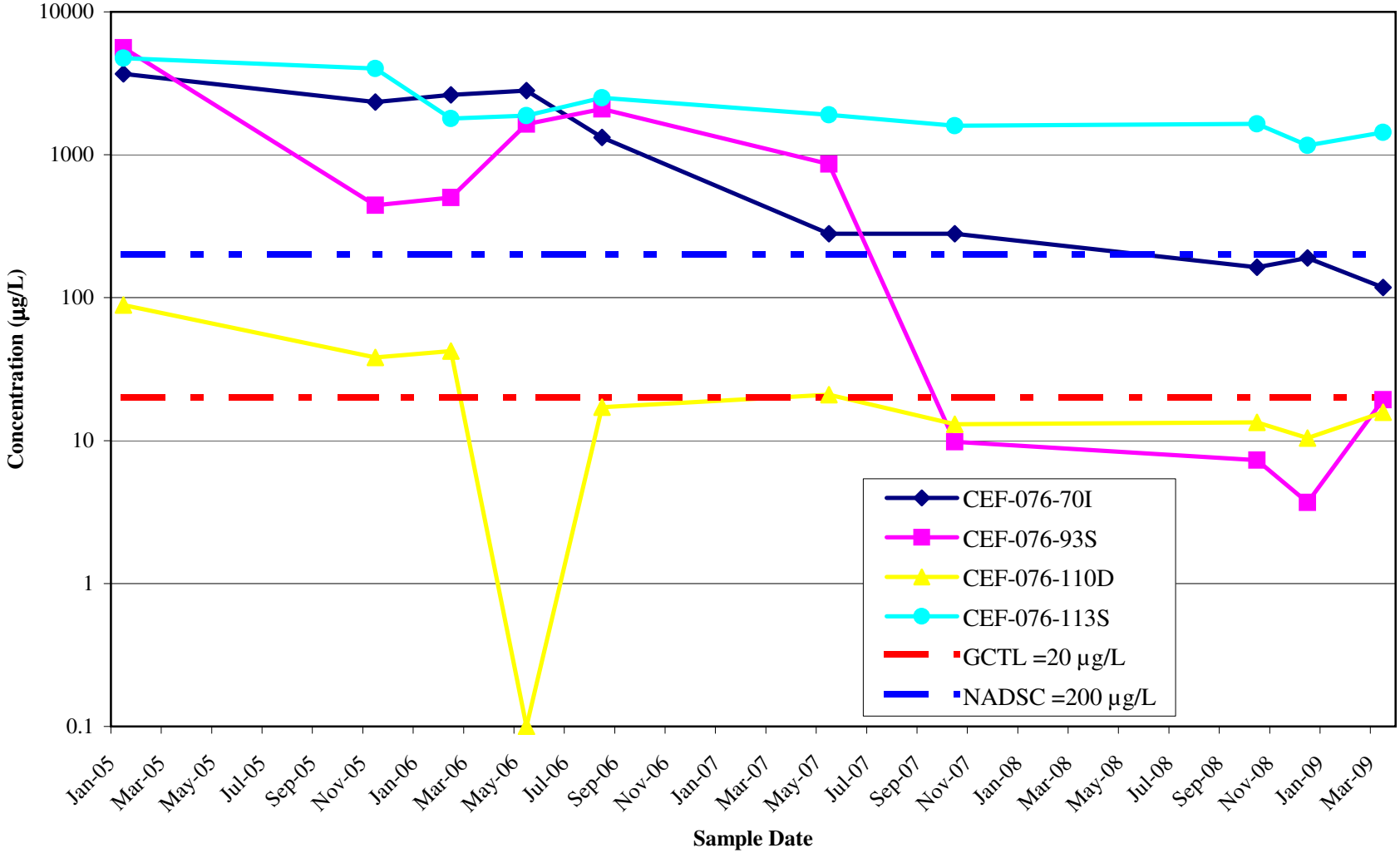


FIGURE 9
Historical Isopropylbenzene Concentrations in Select Wells

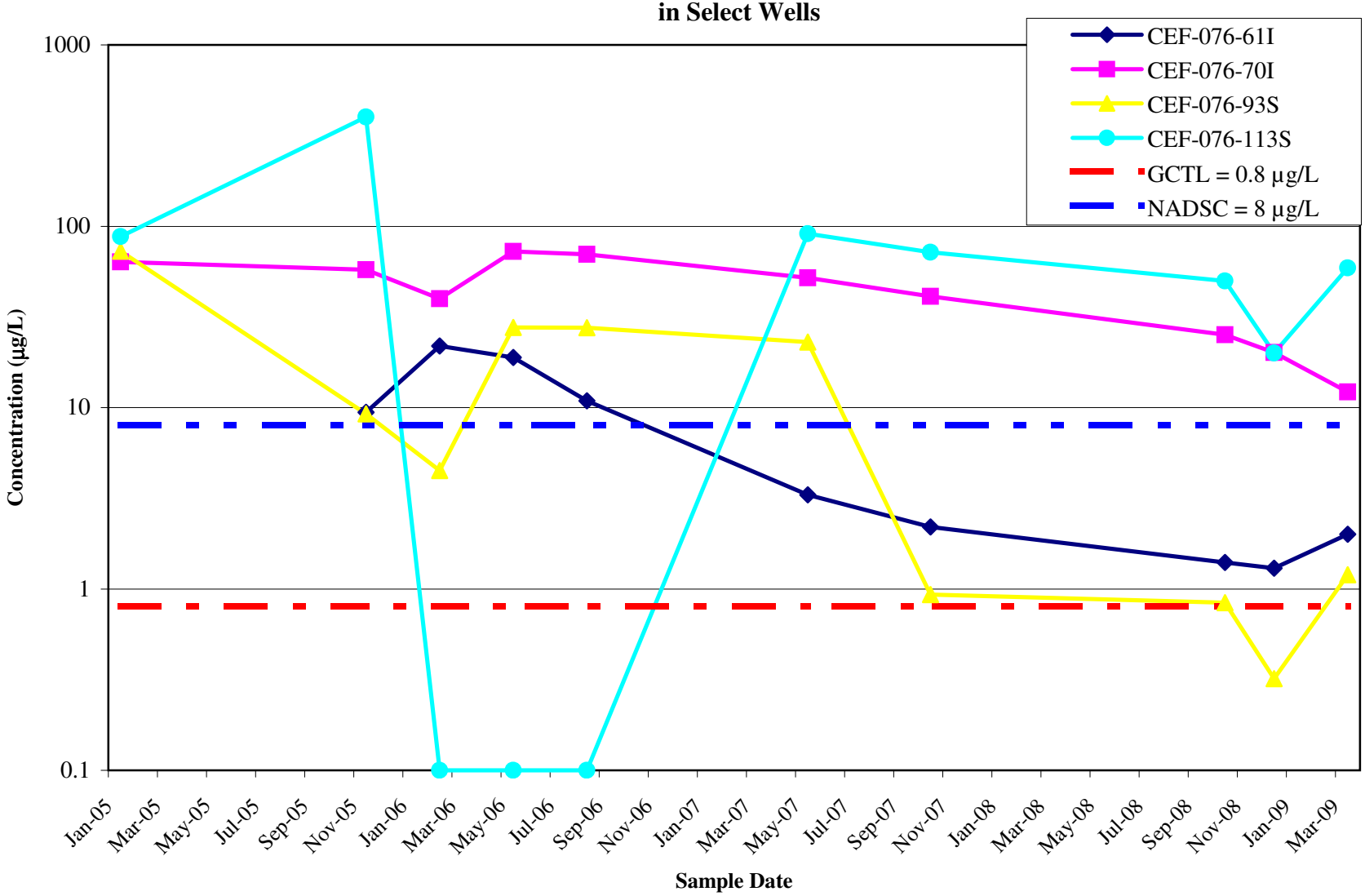
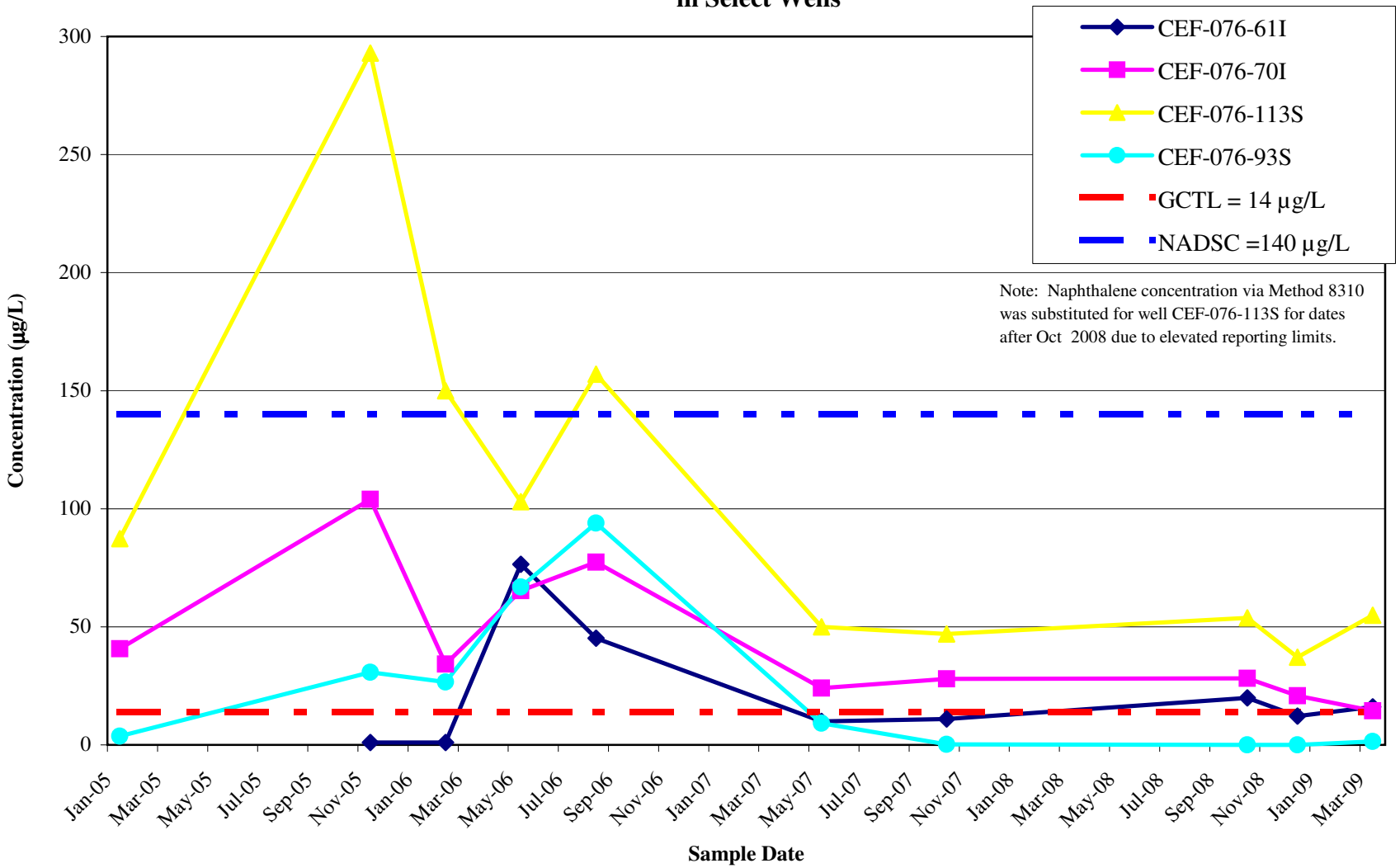


FIGURE 10
Historical Naphthalene (Method 8260B) Concentrations in Select Wells



TABLES

TABLE 1
GROUNDWATER ELEVATIONS

North Fuel Farm
NAS Cecil Field
Jacksonville, Florida

Well ID	Date	Screen Interval (ft bgs)	Top of Casing Elevation (ft amsl)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
CEF-372-13R	7/29/2005	1.50 - 11.50	81.25	0.05	81.20
	11/18/2005			6.05	75.20
	5/15/2006			9.14	72.11
	8/15/2006			10.71	70.54
	10/22/2007			6.28	74.97
	10/8/2008			4.84	76.41
	12/15/2008			6.93	74.32
	3/3/2009			7.9 *	73.35*
CEF-076-49S	7/29/2005	45 - 50	78.14	3.30	74.84
	11/18/2005			6.14	72.00
	5/16/2006			8.15	69.99
	8/17/2006			9.72	68.42
	10/22/2007			6.52	71.62
	10/8/2008			4.72	73.42
	12/15/2008			6.51	71.63
	3/3/2009			7.66	70.48
CEF-076-50I	7/29/2005	75 - 80	78.17	1.54	76.63
	11/18/2005			5.35	72.82
	5/15/2006			8.08	70.09
	10/22/2007			6.38	71.79
	10/8/2008			4.55	73.62
	12/15/2008			6.39	71.78
	3/3/2009			7.61	70.56
CEF-076-57S	7/29/2005	30 - 35	77.74	2.12	75.62
	11/18/2005			5.71	72.03
	5/17/2006			7.58	70.16
	8/17/2006			9.16	68.58
	10/22/2007			6.13	71.61
	10/8/2008			4.21	73.53
	12/15/2008			5.98	71.76
	3/3/2009			7.31	70.43
CEF-076-61I	7/29/2005	65 - 70	81.12	11.90	69.22
	11/18/2005			8.95	72.17
	5/17/2006			11.06	70.06
	8/16/2006			12.86	68.26
	10/22/2007			9.72	71.40
	10/8/2008			7.61	73.51
	12/15/2008			9.63	71.49
	3/3/2009			11.35	69.77
CEF-076-70I	7/29/2005	65 - 70	78.21	2.10	76.11
	11/18/2005			5.24	72.97
	5/11/2006			7.85	70.36
	8/15/2006			9.70	68.51
	10/22/2007			5.85	72.36
	10/8/2008			4.41	73.80
	12/15/2008			6.31	71.90
	3/3/2009			8.44	69.77
CEF-076-93S	7/29/2005	25 - 30	81.59	3.70	77.89
	11/18/2005			7.24	74.35
	5/10/2006			9.56	72.03
	8/14/2006			10.53	71.06
	10/22/2007			7.55	74.04
	10/8/2008			6.48	75.11
	12/15/2008			8.55	73.04
	3/3/2009			8.00	73.59
CEF-076-94S	7/29/2005	15-May	81.59	NM	NM
	11/18/2005			9.06	72.53
	5/10/2006			10.07	71.52
	8/14/2006			13.25	68.34
	10/22/2007			9.83	71.76
	10/8/2008			7.40	74.19
	12/15/2008			9.58	72.01
	3/3/2009			11.59	70.00

TABLE 1
GROUNDWATER ELEVATIONS

North Fuel Farm
NAS Cecil Field
Jacksonville, Florida

Well ID	Date	Screen Interval (ft bgs)	Top of Casing Elevation (ft amsl)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
CEF-076-95S	7/29/2005	15-May	80.88	5.71	75.17
	11/18/2005			6.82	74.06
	5/16/2006			9.35	71.53
	8/16/2006			11.25	69.63
	10/22/2007			6.59	74.29
	10/8/2008			6.45	74.43
	12/15/2008			7.75	73.13
	3/3/2009			7.61	73.27
CEF-076-98D	7/29/2005	105 - 110	81.39	4.51	76.88
	11/18/2005			8.45	72.94
	5/11/2006			11.19	70.20
	8/15/2006			13.60	67.79
	10/22/2007			11.53	69.86
	10/8/2008			8.28	73.11
	12/15/2008			10.18	71.21
	3/3/2009			15.48	65.91
CEF-076-99D	7/29/2005	95 - 100	81.69	NM	NM
	11/18/2005			13.97	67.72
	5/17/2006			11.44	70.25
	8/16/2006			13.82	67.87
	10/22/2007			21.45	60.24
	10/8/2008			8.72	72.97
	12/15/2008			9.85	71.84
	3/3/2009			13.75	67.94
CEF-076-100D	7/29/2005	110 - 115	80.15	4.85	75.30
	11/18/2005			8.92	71.23
	5/16/2006			10.73	69.42
	8/17/2006			12.02	68.13
	10/22/2007			8.63	71.52
	10/8/2008			7.33	72.82
	12/15/2008			9.19	70.96
	3/3/2009			10.24	69.91
CEF-076-104D	7/29/2005	110 - 115	79.08	NM	NM
	11/18/2005			8.14	70.94
	5/15/2006			10.05	69.03
	8/17/2006			11.33	67.75
	10/22/2007			8.11	70.97
	10/8/2008			7.10	71.98
	12/15/2008			8.85	70.23
	3/3/2009			**	**
CEF-076-110D	7/29/2005	105 - 110	82.51	4.80	77.71
	11/18/2005			10.41	72.10
	5/11/2006			12.85	69.66
	8/14/2006			14.60	67.91
	10/22/2007			11.90	70.61
	10/8/2008			10.20	72.31
	12/15/2008			12.19	70.32
	3/3/2009			14.08	68.43
CEF-076-113S	7/29/2005	35 - 40	81.22	3.51	77.71
	11/18/2005			8.72	72.50
	5/10/2006			10.62	70.60
	8/14/2006			12.71	68.51
	10/22/2007			9.57	71.65
	10/8/2008			7.30	73.92
	12/15/2008			9.21	72.01
	3/3/2009			11.28	69.94
CEF-076-116D	10/22/2007	110 - 115	82.83	11.67	71.16
	10/8/2008			10.40	72.43
	12/15/2008			12.37	70.46
	3/3/2009			15.05	67.78

Notes:
ft bgs - feet below ground surface
ft amsl - feet above mean sea level
* -Top of casing (TOC) was cut therefore it is lower in March 2009
NM - not measured
** - CEF-076-104D was destroyed during construction activities.

TABLE 2
FIELD AND NATURAL ATTENUATION PARAMETERS

North Fuel Farm
NAS Cecil Field
Jacksonville, Florida

Well ID	Sample Date	Field Parameters						Laboratory Natural Attenuation Parameters			
		pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation - Reduction Potential (mV)	Sulfate (mg/L)	Sulfide (mg/L)	Total Organic Carbon (mg/L)	Inorganic Carbon (mg/L)
GCTL (mg/L)		NE	NE	NE	NE	NE	NE	250	NE	NE	NE
NADSC (mg/L)		NE	NE	NE	NE	NE	NE	2500	NE	NE	NE
CEF-372-13R	10/23/2007	7.21	225	3.10	0.42	27.21	89.6	NA	NA	NA	NA
	10/9/2008	6.40	500	5.31	0.3	25.75	99.2	NA	NA	NA	NA
	12/16/2008	7.29	579	4	0.6	22.90	-5.2	NA	NA	NA	NA
	3/3/2009	6.97	310	17.5	2.07 *	17.43	99.4	NA	NA	NA	NA
CEF-076-49S	10/26/2007	2.04	3331	2.04	0.10	25.50	210	**2070**	ND	**17.8**	**3.2**
	10/9/2008	2.20	3061	3.66	0.81*	25.59	281.6	**2720**	<0.6	**17.5**	**14.1**
	12/15/2008	1.95	5172	4.7	4	24.41	445.0	**2640**	**0.86 I**	**15.5**	**11.5**
	3/3/2009	2.42	2336	7.75	0.7	22.02	451.2	**2260**	<0.6	**27.7**	**3.7**
CEF-076-50I	10/26/2007	2.57	4567	4.52	0.09	27.37	121	NA	NA	NA	NA
	10/9/2008	2.48	4757	5.81	1.04*	27.08	184	NA	NA	NA	NA
	12/15/2008	2.21	7945	4.7	0.2	24.56	167.5	NA	NA	NA	NA
	3/3/2009	2.68	3453	2.19	0.60 *	22.51	287.8	NA	NA	NA	NA
CEF-076-57S	10/26/2007	2.69	2244	1.51	0.03	24.23	173.1	**1430**	ND	**10.5**	**4**
	10/10/2008	1.14	1100	6.82	1	23.86	189.6	**894**	<0.6	**7**	**21.1**
	12/15/2008	2.46	1606	5	0.05	22.98	160.0	**867**	**0.70 I**	**5.0**	**6.5**
	3/3/2009	2.72	1403	3.8	0.4	18.85	426.6	**790**	**6.2**	**13.1**	**2.2**
CEF-076-61I	10/26/2007	2.16	9734	23.30	-0.13	23.89	188	**15100**	ND	**77.4**	**3**
	10/10/2008	**	6555	16.20	0.8	25.24	238	**10400**	<0.60	**55.2**	<10
	12/16/2008	2.3	6626	152	1	22.87	212.6	<1.0	<0.60	**74.8**	**14.0**
	3/3/2009	2.33	7308	45	0.8	17.84	276.1	**8000**	**1.8**	**54.9**	**1.0 I**
CEF-076-70I	10/25/2007	3.29	4676	3.02	-0.34	25.90	5.7	NA	NA	NA	NA
	10/10/2008	2.78	5268	4.81	0.7	26.51	273.5	NA	NA	NA	NA
	12/15/2008	2.3	6930	4.20	0	25.56	104.2	NA	NA	NA	NA
	3/3/2009	2.91	5855	31	0.34 *	21.94	309.3	NA	NA	NA	NA
CEF-076-93S	10/24/2007	5.73	275	88.1	0.31	26.17	258	NA	NA	NA	NA
	10/10/2008	6.12	270	51.3	1.44*	27.53	-178.9	NA	NA	NA	NA
	12/15/2008	5.9	310	28.2	0.2	24.35	3.2	NA	NA	NA	NA
	3/3/2009	5.98	369	29	0.37 *	18.87	-42.6	NA	NA	NA	NA
CEF-076-94S	10/24/2007	2.50	2207	0.66	0.47	25.93	476	NA	NA	NA	NA
	10/10/2008	4.5	195	3.52	0.38*	27.50	77.9	NA	NA	NA	NA
	12/15/2008	6.22	375	40	0.6	26.16	8.2	NA	NA	NA	NA
	3/3/2009	4.84	299	7.4	1.05 *	22.90	238.1	NA	NA	NA	NA
CEF-076-95S	10/25/2007	6.12	151	88.80	1.78	25.10	56.4	**9.8**	ND	**11.7**	**6.8**
	10/9/2008	5.89	146	11.2	1.7*	23.91	-95	**8.2**	<0.6	**18.9**	**47.6**
	12/16/2008	5.41	51	15.4	0.2	22.75	149.6	**11.6**	**1.7**	**3.4**	**10.0**
	3/3/2009	4.92	85	43	1.0	15.93	280.9	**15.3**	**39.0**	**28.7**	**6.8**
CEF-076-98D	10/24/2007	3.67	7769	1.68	0.53	24.95	193	NA	NA	NA	NA
	10/9/2008	3.23	2568	7.07	0.8	25.77	132.1	NA	NA	NA	NA
	12/16/2008	3.75	10528	2	0.2	25.00	52.1	NA	NA	NA	NA
	3/3/2009	3.36	6470	316	1.10 *	18.97	211.8	NA	NA	NA	NA
CEF-076-99D	10/24/2007	6.56	3337	3.11	0.59	23.49	299	**1860**	ND	**8.4**	**14.4**
	10/9/2008	6.04	707	5.49	1.09*	27.28	-27.2	**1770**	<0.6	**11**	**86**
	12/16/2008	6.95	3990	2	0.2	26.53	-8.8	**1880**	**0.91 I**	**12.0**	**80.5**
	3/3/2009	6.37	3794	3	0.3	25.01	14.5	**1530**	<0.6	**81.7**	**30.3**
CEF-076-100D	10/25/2007	5.98	2877	1.64	0.53	25.56	-61.5	**1630**	ND	**6**	**15.7**
	10/9/2008	5.50	3072	5.79	0	24.59	-47.5	**2600**	<0.6	**9.1**	**47.4**
	12/16/2008	6.07	1968	5.40	0.10	22.94	69.3	<1.0	**2.9**	**5.2**	**35.5**
	3/3/2009	5.78	5107	8.93	0.05	18.49	3.9	**3010**	**12.2**	**53.5**	**21.6**
CEF-076-104D	10/25/2007	5.27	1294	1.68	0.72	21.24	87.3	**519**	ND	**2.9**	**10.7**
	10/9/2008	**	932	2.05	0.9	23.67	-271.1	**472**	<0.6	**3**	**32.6**
	12/15/2008	5.40	1605	3.5	0.1	22.62	111.3	**450**	**2.0**	**2.8**	**15.5**
	3/3/2009	Well was destoyed during construction activities.									
CEF-076-110D	10/23/2007	2.32	6444	5.75	0.26	25.49	390	NA	NA	NA	NA
	10/9/2008	2.29	7166	**	1	24.55	322.8	NA	NA	NA	NA
	12/16/2008	2.8	5068	10.8	1.5 *	25.50	292.2	NA	NA	NA	NA
	3/3/2009	2.8	8189	7.82	0.71 *	20.08	304.1	NA	NA	NA	NA
CEF-076-113S	10/25/2007	3.11	2499	2.50	0.23	25.95	45	NA	NA	NA	NA
	10/10/2008	3.11	1952	7.62	1	27.23	18.9	NA	NA	NA	NA
	12/16/2008	3.0	1481	12.1	0	24.54	92.6	NA	NA	NA	NA
	3/3/2009	3.29	3375	13	0.39 *	21.50	109.3	NA	NA	NA	NA
CEF-076-116D	10/25/2007	2.94	9815	1.56	0.10	22.94	121.4	**10600**	**1.1 J**	**25.1**	**3.2 J**
	10/10/2008	3.37	7691	9.3	0.4	22.45	155.8	**10500**	<0.6	**48.4**	**6.5**
	12/16/2008	3.17	5795	3.9	0.4	20.91	202.6	<1.0	**1.6**	**45.7**	**5.3**
	3/3/2009	2.85	12787	4.87	0.2	20.15	136.1	**13800**	<0.60	**55.8**	**1.4 I**

NOTES: GCTL - Groundwater Cleanup Target Level
NADSC - Natural Attenuation Default Source Concentration
SU - Standard Units
µS/cm - Microsiemens per centimeter
NTU - Nephelometric turbidity units
mg/L - Milligrams per liter
°C - Degrees Celsius
mV - Millivolts
NE - Not established
NA - Not analyzed
ND - Concentration not detected above the method detection limit, limit not available
J - Voncentration estimated below the reporting limit
* - DO readings from field meter, not Chemetrics Kits
** - Data not available due to meter malfunction
Exceeds the GCTL
Exceeds the GCTL and NADSC

TABLE 3
LABORATORY ANALYTICAL RESULTS

North Fuel Farm
NAS Cecil Field
Jacksonville, Florida

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (µg/L)																POLYCYCLIC AROMATIC HYDROCARBONS (µg/L)						
		Benzene	Ethylbenzene	Toluene	Xylenes, total	Acetone	Carbon disulfide	Methyl-tert-butyl-Ether	sec-Butylbenzene	o-Chlorotoulene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene chloride	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	n-Propylbenzene	Naphthalene by Method 8260	Naphthalene by Method 8310	Chrysene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene	TRPH (C8 - C40) (µg/L)
GCTL (µg/L)		1	30	40	20	6300	700	50	280	140	0.8	NE	5	10	10	NE	14	14	4.8	28	28	210	210	5000
NADSC (µg/L)		100	300	400	200	63000	7000	500	2800	14000	8	NE	50	100	100	NE	140	140	48	280	280	2100	2100	50000
CEF-372-13R	1/24/2005	ND	**18.3**	ND	**7.18**	ND	**1.19 J**	ND	ND		**8.22**	ND	ND	ND	ND	ND	**122 J**	ND	ND	ND	ND	ND	ND	**8480 JB**
	11/18/2005	ND	ND	ND	ND	ND	ND	ND	ND		**1.92 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**436 JB**
	2/13/2006	ND	ND	ND	ND	**3.57 JB**	ND	ND	ND		ND	ND	**0.86 JB**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**491 JB**
	5/15/2006	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**901**
	8/15/2006	ND	ND	ND	ND	**2.28 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**190 JB**
	5/22/2007	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/23/2007	ND	ND	ND	ND	**5.3 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/9/2008	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1	<0.96	<0.48	<0.48	<0.48	<0.96	<0.48	<160
	12/16/2008	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1	<0.95	<0.48	<0.48	<0.48	<0.96	<0.48	**380**
	3/3/2009	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48	<0.96	<0.48	**335**
CEF-076-49S	11/17/2005	**2.2**	ND	ND	ND	**10.2 J**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	2/16/2006	**1.61**	ND	ND	**8.23**	**8.2 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/16/2006	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	8/17/2006	ND	ND	ND	**8.17**	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/29/2007	**19**	**0.19 J**	ND	**2.9**	**1.5 JB**	ND	ND	ND		**0.5 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**170 J**
	10/26/2007	**1.5**	ND	ND	ND	**18**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.03 J**	**0.11 J**	ND	ND	ND
	10/9/2008	**52.3**	**0.67 I**	<0.35	**12.5**	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	**1.6 I**	**0.45 I**	<0.25	<1.0	<0.96	<0.48	<0.48	<0.48	<0.95	<0.48	**215**
	12/15/2008	**1.3**	<0.43	<0.35	**1.94 I**	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	**0.22 I**	<0.20	<0.25	<1.0	<0.96	<0.48	<0.48	<0.48			**196 I**
	3/3/2009	**1**	<0.43	<0.35	**1.65 I**	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<0.61	**0.3**	<0.20	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48			**279**
CEF-076-50I	1/25/2005	**318**	ND	ND	**1910**	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	**141 J**	ND	ND	ND	ND	ND	ND	**3310 JB**
	11/21/2005	**3360 J**	ND	ND	**2400**	**905**	ND	ND	ND		ND	ND	ND	ND	ND	ND	**54 J**	ND	ND	ND	ND	ND	ND	**3080 JB**
	2/14/2006	**5020**	**71.2 J**	ND	**586**	**528 JB**	ND	ND	ND		ND	ND	**277 JB**	ND	ND	ND	**21.2 J**	ND	ND	ND	ND	ND	ND	**1840 JB**
	5/15/2006	**7200**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	**12.9 J**	ND	ND	ND	ND	ND	ND	**1050**
	8/15/2006	**2230 J**	**15.8 J**	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	**2.96 J**	ND	ND	ND	ND	ND	ND	**183 JB**
	5/29/2007	**20**	**0.28 J**	ND	4.8	ND	ND	ND	ND		**0.31 J**	ND	ND	ND	ND	ND	**0.18 JB**	ND	ND	ND	ND	ND	ND	**190 J**
	10/26/2007	**67**	**0.57 J**	**0.16 J**	**6.6 J**	**15**	ND	ND	ND		**0.15 J**	ND	ND	ND	ND	ND	**0.35 J**	ND	ND	ND	ND	ND	ND	ND
	10/9/2008	**3.6**	<0.43	<0.35	**2.7 I**	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	**0.32 I**	<0.20	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48	<0.95	<0.48	**237**
	12/15/2008	**82.4**	**0.80 I**	<0.35	**18.2**	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	**1.6 I**	**0.43 I**	<0.25	<1.0	<0.96	<0.48	<0.48	<0.48			**259**
	3/3/2009	**67.3**	**0.77 I**	<0.35	**15.1**	<10	<0.40	<0.26	<0.25		**0.21 I**	<0.32	<0.61	**1.4 I**	**0.33 I**	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48			**260**
CEF-076-57S	11/17/2005	**33.6**	**11.7**	ND	ND	**10.6 J**	ND	ND	ND		**3.46 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	2/15/2006	**81.8**	**6.2**	ND	ND	**5.15 JB**	ND	ND	ND		**2.81 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/17/2006	**23.7**	**2.01 J**	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	8/17/2006	**7.02**	**1.72 J**	ND	**3.21 J**	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/23/2007	**1.8**	**0.31 J**	ND	**1.5**	ND	ND	ND	ND		**0.28 J**	ND	ND	ND	ND	ND	**0.16 JB**	ND	ND	ND	ND	ND	ND	**240 J**
	10/26/2007	**2.9**	**0.36 J**	ND	**2.2 J**	**4.4 J**	ND	ND	ND		**0.27 J**	ND	ND	ND	ND	ND	**0.18 J**	ND	ND	ND	ND	ND	ND	ND
	10/10/2008	**3.7**	**0.51 I**	<0.35	**2.19 I**	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	**0.27 I**	<0.25	<1.0	<0.96	<0.48	<0.48	<0.48	<0.96	<0.48	**255**
	12/15/2008	**3.5**	**0.69 I**	<0.35	**1.5**	<10	<0.40	<0.26	<0.25		**0.27 I**		<1.0	**0.40 I**	**0.28 I**	<0.25	<1.0	<0.96	<0.48	<0.48	<0.48			**206**
	3/3/2009	**3.9**	**1.6**	<0.35	**4**	<10	<0.40	<0.26	<0.25		**0.37 I**		<1.0	**1.0 I**	**0.45 I**	<0.25	<1.0	<0.96	<0.48	<0.48	<0.48			<170
CEF-076-61I	11/17/2005	ND	**36.9 J**	ND	**73.8**	**38.1 J**	ND	ND	ND		**9.41 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	2/15/2006	**1.36**	**22.8**	ND	**24.2**	ND	**12.7**	ND	ND		**21.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/17/2006	**1.58**	**10.9**	ND	**18**	**10 J**	**7.53**	ND	ND		**18.9**	ND	ND	ND	ND	ND	**76.5 J**	ND	ND	**24.2 J**	ND	ND	ND	NA
	8/16/2006	ND	**3.06 J**	ND	**5.2**	ND	ND	ND	ND		**10.9 J**	ND	**3.02 JB**	ND	ND	ND	**45.2 J**	ND	ND	**11 J**	ND	ND	ND	NA
	5/22/2007	**9.2**	**1.2**	ND	**4.8**	**73 J**	ND	ND	ND		**3.3**	ND	ND	ND	ND	ND	**10**	ND	ND	**1.4**	**2.2**	ND	ND	**1100**
	10/26/2007	**8.8**	**1.2**	ND	**4.8 J**	**67**	**0.42 J**	ND	ND		**2.2**	ND	ND	ND	ND	ND	**11 J**	ND	ND	**1.8 J**	**2.6 J**	**0.29 J**	**0.022 J**	**760**
	10/10/2008	**3.9**	**1.7**	<0.35	**6.4**	<10	<0.40	<0.26	<0.25		**1.4**	<0.32	<1.0	**21.4**	**7**	**1.8**	**19.9**	**8.4**	<0.49	**1.3 I**	**1.8 I**	<0.97	<0.49	**445**
	12/16/2008	**3.8**	**1.5**	<0.35	**6.2**	<10	<0.40	<0.26	**0.25 I**		**1.3**		<1.0	**15.6**	**5.3**	**1.3**	**12.2**	**6.3**	<0.48	**0.93 I**	**1.3 I**			**459**
	3/3/2009	**7.4**	**1.8**	<0.35	**7**	<10	<0.4	<0.26	**0.25 I**		**2**		<1.0	**20.5**	**6.8**	**1.3**	**16.1**	**7.9**	<0.48	**1.1 I**	**1.9**			**529**

TABLE 3
LABORATORY ANALYTICAL RESULTS

North Fuel Farm
NAS Cecil Field
Jacksonville, Florida

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (µg/L)																POLYCYCLIC AROMATIC HYDROCARBONS (µg/L)						
		Benzene	Ethylbenzene	Toluene	Xylenes, total	Acetone	Carbon disulfide	Methyl-tert-butyl-Ether	sec-Butylbenzene	o-Chlorotoulene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene chloride	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	n-Propylbenzene	Naphthalene by Method 8260	Naphthalene by Method 8310	Chrysene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene	TRPH (C8 - C40) (µg/L)
GCTL (µg/L)		1	30	40	20	6300	700	50	280	140	0.8	NE	5	10	10	NE	14	14	4.8	28	28	210	210	5000
NADSC (µg/L)		100	300	400	200	63000	7000	500	2800	14000	8	NE	50	100	100	NE	140	140	48	280	280	2100	2100	50000
CEF-076-70I	1/25/2005	**834**	**50.3**	**11.1 J**	**3680**	ND	ND	ND	ND		**63.7**	ND	ND	ND	ND	ND	**40.7 J**	ND	ND	ND	ND	ND	ND	**9210 JB**
	11/21/2005	**300**	ND	ND	**2340**	**804**	ND	ND	ND		**57.5 JB**	ND	ND	ND	ND	ND	**104 J**	ND	ND	ND	ND	ND	ND	**496 B**
	2/14/2006	**206**	ND	ND	**2630**	**897 JB**	ND	ND	ND		**39.9 J**	ND	ND	ND	ND	ND	**34.2**	ND	ND	ND	ND	ND	ND	**3780 JB**
	5/11/2006	**231**	ND	ND	**2810**	**1290 JB**	ND	ND	ND		**72.6 J**	ND	ND	ND	ND	ND	**65.3 J**	ND	ND	ND	ND	ND	ND	**5170**
	8/15/2006	**70.8**	ND	ND	**1320**	ND	ND	ND	ND		**70.1**	ND	**10.4 JB**	ND	ND	ND	**77.4 J**	ND	ND	ND	ND	ND	ND	**1640 JB**
	5/23/2007	**1300**	**6.6 J**	ND	**280**	ND	ND	ND	ND		**52**	ND	ND	ND	ND	ND	**24 JB**	ND	ND	**0.12 J**	ND	ND	ND	**1700 J**
	10/25/2007	**1800**	**7.1 J**	ND	**280 J**	**77 J**	ND	ND	ND		**41**	ND	**14 J**	ND	ND	ND	**28**	ND	ND	**0.2**	**0.16**	ND	ND	**1600**
	10/9/2008	**566**	**9.8**	<1.8	**163.4**	<50	<2.0	<1.3	<1.3		**25.2**	<1.6	**31.8 V**	**113**	**39**	**17.4**	**28.2**	**17.1**	<0.48	<0.48	<0.48	<0.96	<0.48	**659**
	12/15/2008	**400**	**10.1**	<3.5	**189.4**	<100	<4.0	<2.6	<2.5		**20.1**		**38.4 I**	**106**	**31.6**	**15.9**	**20.8 I**	**24.7**	<0.49	<0.49	<0.49			**655**
	3/3/2009	**178**	**7.4**	<1.8	**118**	<50	<2.0	<1.3	<2.5		**12.2**		**8.5 V**	**70.9**	**21.7**	**15.9**	**14.4 I**	**12.4**	<0.49	<0.48	<0.48			**592**
CEF-076-93S	1/24/2005	**1890**	**1300**	**7800**	**5610**	ND	ND	ND	ND		**72.8 J**	ND	ND	ND	ND	ND	**3.73 J**	ND	ND	ND	ND	ND	ND	**12100 JB**
	11/18/2005	**27.2**	**83.5**	**235**	**443**	ND	ND	ND	ND		**9.22 J**	ND	**7.85 JB**	ND	ND	ND	**30.8 J**	ND	ND	ND	ND	ND	ND	**1620 JB**
	2/13/2006	**11.8**	**75.4**	**193**	**502**	**139 JB**	ND	ND	ND		**4.5 J**	ND	ND	ND	ND	ND	**26.6 J**	ND	ND	**8.96 J**	**6.46 J**	ND	ND	**112 JB**
	5/10/2006	**37.9**	**259**	**607**	**1640**	**565 JB**	ND	ND	ND		**27.7 J**	ND	ND	ND	ND	ND	**66.9 J**	ND	ND	**18**	ND	ND	ND	**7790 J**
	8/14/2006	**23.1**	**318**	**515**	**2090**	ND	ND	ND	ND		**27.6**	ND	**14 JB**	ND	ND	ND	**93.9 J**	ND	ND	**31.9**	ND	ND	ND	**4520 JB**
	5/15/2007	**26**	**140**	**320 JB**	**860**	**30 JB**	**0.39 J**	ND	ND		**23**	ND	**2.3 JB**	ND	ND	ND	**9.2 JB**	ND	ND	**6.1**	**6.8**	ND	ND	**5300**
	10/24/2007	ND	**1.9**	**1.4 JB**	**9.8 J**	**7.2 JB**	ND	ND	ND		**0.93**	ND	ND	ND	ND	ND	**0.23**	ND	**0.023 J**	**0.17**	**0.23**	**0.05**	**0.04 J**	**160 J**
	10/10/2008	**0.44 I**	**2.0**	**1.7**	**7.3**	<10	<0.40	<0.26	**0.29 I**		**0.84 I**	<0.32	<1.0	**1.8 I**	**0.71 I**	**0.94 I**	<1.0	<0.96	<0.48	**0.49 I**	**1.1 I**	<0.96	<0.48	**243**
	12/15/2008	<0.40	**0.83 I**	**0.80 I**	**3.7**	<10	<0.40	<0.26	<0.25		**0.32 I**		<1.0	**0.37 I**	**0.23 I**	<0.25	<1.0	**1.1 I**	<0.48	**0.65**	**1.6 I**			**244**
	3/3/2009	<0.40	**3.90**	**1.50**	**19.3**	<10	<0.40	<0.26	<0.25		**1.2**		<1.0	**1.8 I**	**0.52 I**	<0.25	**1.4 I**	**1.1 I**	<0.48	<0.48	**0.75 I**			**173**
CEF-076-94S	1/25/2005	**3040**	**1310**	**3800**	**4850**	ND	ND	ND	ND		**86.5 J**	ND	ND	ND	ND	ND	**193 J**	ND	ND	ND	ND	ND	ND	**15500 JB**
	11/18/2005	ND	ND	ND	ND	**270 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	**3.1**	ND	ND	ND	ND	ND	ND	**404 JB**
	2/13/2006	**0.993 J**	ND	ND	ND	**36 JB**	ND	ND	ND		ND	ND	**2.98 JB**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**200 JB**
	5/10/2006	**1.6**	ND	ND	ND	**23.3 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	**0.696**	ND	ND	ND	ND	ND	ND	**304**
	8/14/2006	ND	ND	ND	ND	**10.4 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**97 JB**
	5/15/2007	ND	ND	ND	ND	**17 JB**	ND	ND	ND		ND	ND	**0.5 JB**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/24/2007	ND	ND	ND	ND	**8.4 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/10/2008	**0.46 I**	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1	<0.96	<0.48	<0.48	<0.48	<0.96	<0.48	**211 I**
	12/15/2008	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1	<0.96	<0.48	<0.48	<0.48			**215 I**
	3/3/2009	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1	<0.95	<0.48	<0.48	<0.48			**238**
CEF-076-95S	11/16/2005	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	2/14/2006	ND	ND	ND	ND	**2.86 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/16/2006	ND	ND	ND	ND	**6.39 J**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	8/16/2006	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	**2.54 JB**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/25/2007	ND	ND	ND	ND	**6.7 J**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/25/2007	ND	ND	**0.61 J**	ND	**5.6 J**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**180 J**
	10/9/2008	<0.40	<0.43	**33.8**	<0.78	**13.8 I**	<0.40	<0.26	<0.25		<0.20	**31.3**	<0.61	<0.22	<0.20	<0.25	<1.0	<0.96	<0.48	<0.48	<0.48	<0.96	<0.48	**627**
	12/16/2008	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	**31.3**	<1.0	<0.22	<0.20	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48			<170
	3/3/2009	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	**31.3**	<1.0	<0.22	<0.20	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48			<160
CEF-076-98D	1/25/2005	**1090 J**	**8.33 J**	ND	**62.3**	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	**20.3**	ND	ND	ND	ND	ND	ND	**811 B**
	11/21/2005	**283**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	**5.06**	ND	ND	ND	ND	ND	ND	**9340 B**
	2/14/2006	**1.54**	ND	ND	ND	**5.28 JB**	ND	ND	ND		ND	ND	**2.41 JB**	ND	ND	ND	**5.07**	ND	ND	ND	ND	ND	ND	**82.8 JB**
	5/11/2006	**4.62**	ND	ND	ND	**1.04 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**312 J**
	8/15/2006	**22.3**	ND	ND	**6.82**	**15.7 JB**	**2.95 J**	ND	ND		ND	ND	**1.05 JB**	ND	ND	ND	**2.18**	ND	ND	ND	ND	ND	ND	**137 JB**
	5/25/2007	**91**	**0.27 J**	ND	**7.2**	ND	ND	ND	ND		**0.32 J**	ND	ND	ND	ND	ND	**1.5**	ND	ND	**0.02 J**	**0.037 J**	ND	ND	**330 J**
	10/24/2007	**120**	**0.38 J**	**0.22 JB**	**8.8 J**	**7.1 JB**	ND	ND	ND		**0.24 J**	ND	ND	ND	ND	ND	**2.1**	ND	ND	ND	**0.046 J**	ND	ND	**160 J**
	10/9/2008	**85**	**0.67 I**	<0.35	**5.8 I**	<10	<0.40	<0.26	<0.25		**0.25 I**	<0.32	<1.0	**2.4**	**0.75 I**	<0.25	**2.6 I**	**1.7 I**	<0.48	<0.48	<0.48	<0.96	<0.48	**231 I**
	12/16/2008	**71.7**	**0.94 I**	<0.35	**8.7**	<10	<0.40	<0.26	<0.25		**0.28 I**		<1.0	**2.7**	**0.78 I**	<0.25	**1.8 I**	**2.3**	<0.48	<0.48	<0.48			**239 I**
	3/3/2009	**36.2**	**0.58 I**	<0.35	**4.2**	<10	<0.40	<0.26	<0.25		<0.2		<1.0	**1.6 I**	**0.49 I**	<0.25	**1.7 I**	**1.2 I**	<0.48	<0.48	<0.48			**364**
CEF-076-99D	11/16/2005	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	2/15/2006	ND	ND	ND	ND	**3.18 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/17/2006	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	8/16/2006	ND	ND	ND	ND	**1.59 J**	ND	ND	ND		ND	ND	**2.62 JB**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/22/2007	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/24/2007	ND	ND	ND	ND	**4.4 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/9/2008	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1.0	<0.96	<0.48	<0.48	<0.48	<0.96	<0.48	**190 I**
	12/16/2008	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48			**182 I**
	3/3/2009	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48			<160

TABLE 3
LABORATORY ANALYTICAL RESULTS

North Fuel Farm
NAS Cecil Field
Jacksonville, Florida

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (µg/L)																POLYCYCLIC AROMATIC HYDROCARBONS (µg/L)						TRPH (C8 - C40) (µg/L)
		Benzene	Ethylbenzene	Toluene	Xylenes, total	Acetone	Carbon disulfide	Methyl-tert-butyl-Ether	sec-Butylbenzene	o-Chlorotoulene	Isopropylbenzene (Cumene)	p-Isopropyltoluene	Methylene chloride	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	n-Propylbenzene	Naphthalene by Method 8260	Naphthalene by Method 8310	Chrysene	1-Methylnaphthalene	2-Methylnaphthalene	Phenanthrene	Pyrene	
GCTL (µg/L)		1	30	40	20	6300	700	50	280	140	0.8	NE	5	10	10	NE	14	14	4.8	28	28	210	210	5000
NADSC (µg/L)		100	300	400	200	63000	7000	500	2800	14000	8	NE	50	100	100	NE	140	140	48	280	280	2100	2100	50000
CEF-076-100D	11/17/2005	**23.2**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	2/16/2006	**5**	ND	ND	ND	**2.9 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/16/2006	**1.27**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	8/17/2006	**1.07**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/29/2007	**0.12 J**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	**0.047 JB**	ND	ND	ND	**0.019 JB**	ND	ND	ND
	10/25/2007	**0.31 J**	ND	ND	ND	**4.2 J**	**0.36 J**	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/9/2008	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<0.61	<0.22	<0.20	<0.25	<1.0	<0.96	<0.48	<0.48	<0.48	<0.96	<0.48	<160
	12/16/2008	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48			<160
	3/3/2009	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<1.0	<0.22	<0.20	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48			<160
CEF-076-104D	11/16/2005	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	2/15/2006	ND	ND	ND	ND	**2.71 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/15/2006	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	8/17/2006	**0.838 J**	ND	ND	ND	ND	ND	ND	ND		ND	ND	**0.948 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/29/2007	**0.5 J**	ND	ND	ND	**2.6 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/25/2007	**3.6**	ND	ND	ND	**4.2 J**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/9/2008	**5.8**	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20	<0.32	<0.61	<0.22	<0.20	<0.25	<1	<0.96	<0.48	<0.48	<0.48	<0.96	<0.48	<160
	12/15/2008	<0.40	<0.43	<0.35	<0.78	<10	<0.40	<0.26	<0.25		<0.20		<0.61	<0.22	<0.20	<0.25	<1	<0.96	<0.48	<0.48	<0.48			<160
	3/3/2009	Well destroyed during construction activities																						
CEF-076-110D	1/25/2005	**1150**	ND	ND	**88.8**	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**499 JB**
	11/21/2005	**597**	ND	ND	**38.2 J**	ND	**42.6 J**	ND	ND		**19.2 JB**	ND	ND	ND	ND	ND	**2.57 J**	ND	ND	ND	ND	ND	ND	**2700 B**
	2/14/2006	**434**	ND	ND	**42.3 J**	**26.9 JB**	ND	ND	ND		ND	ND	**28.6 JB**	ND	ND	ND	**2.55 J**	ND	ND	ND	ND	ND	ND	**309 JB**
	5/11/2006	**559**	ND	ND	ND	**169 JB**	**125**	ND	ND		ND	ND	ND	ND	ND	ND	**3.31**	ND	ND	ND	ND	ND	ND	**370**
	8/14/2006	**497**	ND	ND	**17.1 J**	**59.4 JB**	**15.4 J**	ND	ND		ND	ND	**9.25 JB**	ND	ND	ND	**3.33**	ND	ND	ND	ND	ND	ND	**430 JB**
	5/30/2007	**110**	**0.99 J**	ND	**21 JB**	**51 JB**	ND	ND	ND		**0.51 J**	ND	ND	ND	ND	ND	**1.6**	ND	ND	ND	ND	ND	ND	**350 J**
	10/23/2007	**120**	**0.55 J**	ND	**13 J**	**16 JB**	ND	ND	ND		**0.35 J**	ND	ND	ND	ND	ND	**1 JB**	ND	ND	ND	ND	ND	ND	**190 J**
	10/9/2008	**185**	**1.9 I**	<0.70	**13.4 I**	<20	<0.80	<0.52	<0.5		**1.0 I**	<0.64	**18.8 V**	**11.3**	**3.2 I**	<0.5	**6.8 I**	**5.6**	<0.48	<0.48	<0.48	<0.95	<0.48	**347**
	12/16/2008	**175**	<2.2	<1.8	**10.4**	<50	<2.0	<1.3	<1.3		<1.0		**13.4 I,V**	**8.6 I**	**2.5 I**	<1.3	<5.0	**4.5**	<0.50	<0.50	<0.50			**287**
	3/3/2009	**165**	**2.0**	<1.8	**15.8**	<20	<0.8	<4	<1.3		**0.72 I**		**6.5 I,V**	**10.2**	**2.7 I**	<1.3	**3.6 I**	**3.2**	<0.50	<0.48	<0.48			**257**
CEF-076-113S	1/25/2005	**7730**	**1130**	**85.3 J**	**4740**	ND	ND	ND	ND		**87.7 J**	ND	ND	ND	ND	ND	**87.3 J**	ND	ND	ND	ND	ND	ND	**12700 JB**
	11/18/2005	**7940**	**878 J**	ND	**4010**	ND	ND	ND	ND		**400 J**	ND	ND	ND	ND	ND	**293 J**	ND	ND	ND	ND	ND	ND	**6090 JB**
	2/13/2006	**9680**	**953 J**	ND	**1790**	**569 JB**	ND	ND	ND		ND	ND	**315 JB**	ND	ND	ND	**150 J**	ND	ND	**38.6 J**	**26.2 J**	ND	ND	**3510 JB**
	5/10/2006	**13100**	**1060**	ND	**1880**	**545 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	**103 J**	ND	ND	**23.1 J**	ND	ND	ND	**7290**
	8/14/2006	**10500**	**1300**	ND	**2500**	ND	ND	ND	ND		ND	ND	**195 JB**	ND	ND	ND	**157 J**	ND	ND	**27.1 J**	ND	ND	ND	**4060 JB**
	5/24/2007	**9900**	**1100**	ND	**1900**	ND	ND	ND	ND		**91 J**	ND	ND	ND	ND	ND	**50 JB**	ND	ND	**4**	**5.8**	ND	ND	**5400**
	10/25/2007	**9000**	**800**	ND	**1600 J**	**180 J**	ND	ND	ND		**72**	ND	**37 J**	ND	ND	ND	**47**	ND	ND	**2.7**	**3.6**	ND	**0.029 J**	**5600**
	10/10/2008	**11600**	**374**	<70	**1643**	<2000	<80	<52	<50		**49.9 I**	<64	<200	**206 I**	**77.7**	<50	<200	**53.8**	<0.48	**1.6 I**	**4.3**	0.96U	<0.48	**2120**
	12/16/2008	**10800**	**155 I**	<70	**1163**	<2000	<80	<52	<50		<40		**509 I,V**	**138 I**	**47.2 I**	<50	<200	**37.1**	<0.48	**1.2 I**	**1.8 I**			**1970**
	3/3/2009	**12500**	**345**	<70	**1432**	<2000	<80	<52	<50		**59**		**393 I,V**	**238 I**	**71.6 I**	<50	<200	**54.9**	<0.48	**2.0**	**3.9**			**2560**
CEF-076-116D	11/17/2005	**176**	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	2/15/2006	**324**	ND	ND	ND	**13.8 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/15/2006	**517**	ND	ND	ND	**18.6 JB**	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	8/17/2006	**256**	ND	ND	ND	**128 J**	**16.7**	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	5/29/2007	**45**	**0.17 J**	ND	**1.8**	**370 JB**	**150**	ND	ND		**0.15 J**	ND	ND	ND	ND	ND	**0.061 JB**	ND	**0.045JB**	**0.029 JB**	**0.049JB**	**0.054JB**	**0.077JB**	**170 J**
	10/25/2007	**57 J**	ND	ND	**2.8 J**	**290 J**	**180**	ND	ND		**0.3 J**	ND	ND	ND	ND	ND	**0.12 J**	ND	ND	ND	ND	ND	ND	ND
	10/10/2008	**80.1**	**1.2 I**	<0.70	**1.0 I**	**95.7**	**53.6**	<0.52	<0.5		<0.40	<0.64	<2.0	**2.6 I**	<0.40	<0.5	<2.0	<0.96	<0.48	<0.48	<0.48	<0.96	<0.48	**185 I**
	12/16/2008	**68.9**	**0.49 I**	<0.35	**3.2 I**	**87.7 A**	**63.2**	<0.26	<0.25		**0.36 I**		<1.0	**3.7**	**0.39 I**	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48			**231 I**
	3/3/2009	**45**	<0.43	<0.35	**1.3**	**29.8**	**57.2**	<0.26	<0.25		**0.31 I**		<1.0	**2.7**	**0.31 I**	<0.25	<1.0	<0.95	<0.48	<0.48	<0.48			**191 I**

NOTES:
µg/L - Micrograms per liter
GCTL - Groundwater Cleanup Target Level
NADSC - Natural Attenuation Default Source Concentrations
Bold indicates values above the method detection limit.
Shading indicates: Exceeds the GCTL
Exceeds both the GCTL and NADSC
J and I - Estimated Concentration
JB - Analyte was detected in the associated method and/or calibration blank
ND - No Data Available
V - Analyte detected in associated method blank, suspected lab contaminant
A - Indicates associated BS recovery outside control limits

APPENDIX A

GROUNDWATER SAMPLING LOGS

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-76-50I** | **Sample ID:** CEF-076-50I | **Date:** 3/3/09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	LDPE (Teflon)	7.52	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
2' off bottom	1310	1340		180

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1220	0.3	0.3	180	7.66	2.60	23.06	3510	1.40	354.73	355.2	orang	—
1325	0.25	0.55	180	7.67	2.66	22.69	3480	1.05	2.18	338.0	yellow	—
1330	0.25	0.8	180	7.66	2.67	22.70	3464	0.74	7.09	311.0	yellow	—
1333	0.2	1.0	180	7.66	2.67	22.60	3455	0.66	2.73	297.6	yellow	—
1338	0.2	1.2	180	7.66	2.68	22.51	3453	0.60	2.19	287.8	yellow	—

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Dawn Marshall	Dawn Marshall	1340	1415

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
(Y) N	Y (N)	µm		Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: ~1.5 gallons purge water

Field Kits:

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

** Denotes hazardous well

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-76-98D | **Sample ID:** CEF-076-98D | **Date:** 3/3/09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	LDPE (Teflon)	15.51	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
2' off bottom	1000	1100	1.15	~~210~~ 205 80

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1018	0.5	0.5	80	19.06	2.81	19.60	5458	1.64	44.4	308.0	yellow	—
1025	0.1	0.6	80	19.32	2.76	18.66	5547	1.38	148	306.1	yellow	—
1030	0.05	0.65	80	19.51	2.98	18.39	5753	1.36	284	290.5	yellow	—
1035	0.05	0.70	80	19.57	3.06	18.11	5926	1.28	315	275.1	orange	—
1042	0.1	0.80	90	19.57	3.08	17.78	6082	1.19	311	259.7	orang	—
1045	0.05	0.85	90	19.61	3.17	18.22	6157	1.41	310	248.7	orange	—
1050	0.05	0.90	90	19.70	3.21	18.39	6254	1.13	327	224.0	orang	—
1053	0.05	0.95	90	19.83	3.38	18.98	6373	1.12	321	218.2	orang	—
1056	0.05	1.00	90	19.93	3.37	18.88	6491	1.12	308	201.9	orang	—
1100	0.05	1.05	90	20.04	3.36	18.97	6470	1.10	316	211.8	orang	—

Page break

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Dawn Marshall	Dawn Marshall	1105	1200

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
(Y) N	Y (N)	µm		Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: ~1.3 gal purged

Peristaltic is as low as it can go w/out shutting off

Field Kits:

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-372-13R | **Sample ID:** CEF-372-13R | **Date:** 3/3/09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 2 3 4	1/4 3/8 1/2	LDPE Teflon	8.03	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
2' off bottom	0827	0912	2.2	220

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
0835	0.4	0.4	220	8.12	6.97	16.70	454	2.20	111	133.5	brown	—
0838	0.2	0.6	220	8.12	6.98	16.88	437	2.11	103.9	126.0	brown	—
0842	0.25	0.85	220	8.12	6.97	17.17	415	2.01	86.9	119.7	brown	—
0845	0.15	1.0	220	8.12	6.99	17.28	396	1.94	63.0	115.0	brown	—
0850	0.25	1.25	220	8.12	6.99	17.33	365	1.93	43.6	108.6	brown	—
0854	0.15	1.40	220	8.12	6.99	17.37	351	1.96	34.8	107.1	brown	—
0900	0.3	1.7	220	8.13	6.98	17.41	336	1.93	24.8	103.4	yellow	—
0903	0.15	1.85	220	8.13	6.98	17.29	324	1.94	19.2	102.3	yellow	—
0906	0.15	2.00	220	8.13	6.97	17.39	320	2.00	18.0	101.5	yellow	—
0910	0.15	2.15	220	8.13	6.97	17.43	310	2.07	17.5	99.4	yellow	—

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Dawn Marshall	Dawn Marshall	0915	0950

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
Y N	Y N	µm		Y N

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: ~3 gallons total purged
Not enough tubing for VOAs only collected 1

Field Kits:

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-76-110D**	**Sample ID:** CEF-076-110D	**Date:** 5/3/09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	(LDPE) Teflon	14.06	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
	1037	1100		150

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1051	0.4	0.4		15.37	2.78	20.14	8174	0.98	11.2	317.6	Clear	None
1055	0.1	0.5		15.35	2.79	19.95	8155	0.81	8.88	308.6		
1059	0.1	0.6		15.31	2.80	20.08	8189	0.71	7.82	304.1		

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Leif Hazlewood	[signature]	1100	1135

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
(Y) N	Y (N)	µm		Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

Field Kits:

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

** Denotes hazardous well

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-76-100D	**Sample ID:** CEF-076-100D	**Date:** 3/3/09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	~~LDPE~~ Teflon	10.22	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
	1208	1240		100

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1226	0.5	0.5		12.48	5.20	18.86	4852	0.90	0.00	29.0	Clear	None
1230	0.1	0.6		12.46	5.79	18.67	5030	0.78	10.5	16.1		
1234	0.1	0.7		12.41	5.82	18.70	5089	0.71	9.65	10.1		
1238	0.1	0.8		12.37	5.78	18.49	5107	0.67	8.93	3.9		

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Leif Hazlewood	[signature]	1240	1354

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
(Y) N	Y (N)	µm		Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	PE	250 mL	NaOH ZnAC	Sulfide 376.2	PP
	1	PE	500 mL	None	Sulfate 300.0	PP
	2	AG	40 mL	HCL	TOC 415.1	PP
	2	AG	40mL	None	Inorganic Carbon 415.2	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

Field Kits: DO: 0.05

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-76-116D	**Sample ID:** CEF-076-116D	**Date:** 3/3/09

PURGING DATA

Well Diameter (inches):	**Tubing Diameter (inches):**	**Tubing:**	**Static Depth to water (feet):**	**Purge pump type or bailer:**	**Well Screen Interval Depth:**
1 (2) 3 4	(1/4) 3/8 1/2	LDPE Teflon	15.02	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	**Purging Initiated:**	**Purging Ended:**	**Total Volume Purged (Gallons):**	**Sample Pump Flow Rate (mL/min):**
	~~855~~ 920	945	1.3	300

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
933	0.9	0.9		15.02	2.85	19.97	12692	0.53	5.51	154.1	Clear	Slight
937	0.2	1.1		15.02	2.83	20.15	12762	0.49	5.92	144.4		
940	0.2	1.3		15.02	2.85	20.15	12787	0.47	4.87	136.1		

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	**Sampler(s) Signature:**	**Sampling Initiated:**	**Sampling Ended:**
Leif Hazlewood	[signature]	945	1028

Field Decontamination:	**Field-Filtered:**	**Filter Size:**	**Filtration Equipment Type:**	**Duplicate:**
Y (N)	Y (N)	µm		Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	PE	250 mL	NaOH ZnAC	Sulfide 376.2	PP
	1	PE	500 mL	None	Sulfate 300.0	PP
	2	AG	40 mL	HCL	TOC 415.1	PP
	2	AG	40mL	None	Inorganic Carbon 415.2	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: Well cap needs to be replaced/No lock either

Field Kits: DO: 0.2

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-76-94S	**Sample ID:** CEF-76-94S	**Date:** 3-3-07

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	LDPE (Teflon)	11.45	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
	12:38	1255	0.6	200

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1243	.2	.2	200	11.48	4.75	22.72	331	2.81	9.4	247.2	clear	none
1247	.2	.4	200	11.50	4.82	22.83	315	1.38	8.2	240.3	clear	none
1252	.2	.6	200	11.51	4.84	22.90	299	1.05	7.4	238.1	clear	none

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Sean Jarvis Solutions-IES	Sean Jarvis	1255	1320

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
(Y) N	Y (N)	— µm	—	Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

0.75 gallon total

Field Kits:

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation, optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU, optionally + 5 NTU or + 10% (whichever is greater)

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-76-61I | **Sample ID:** CEF_76-61I | **Date:** 3-3-09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	LDPE (Teflon)	11.41	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
	820	845	0.90	250/200

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
825	0.2	0.2	250	12.85	2.29	19.05	7597	0.78	50	309.4	Stained	none
830	0.15	0.35	200	12.69	2.30	18.27	7704	0.46	55	300.2	Stained	none
835	0.15	0.60	200	12.58	2.30	17.79	7558	0.36	45	279.5	Stained	none
840	0.15	0.75	200	12.49	2.31	17.76	7427	0.32	42	277.5	Stained	none
845	0.15	0.90	200	12.41	2.33	17.84	7308	0.28	45	276.1	Stained	none

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Sean Jarak - Solutions-IES	Sean Jarak	845	940

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
(Y) N	Y (N)	— µm	—	Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	PE	250 mL	NaOH ZnAC	Sulfide 376.2	PP
	1	PE	500 mL	None	Sulfate 300.0	PP
	2	AG	40 mL	HCL	TOC 415.1	PP
	2	AG	40mL	None	Inorganic Carbon 415.2	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: Reduced flow at 8:25 due to drawdown. 1 gal total Purge
Color is Yellowish Stain

Field Kits: DO: 0.8

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-76-57S	**Sample ID:** CEF-76-57S	**Date:** 3-3-09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	~~HDPE~~ Teflon	7.40	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
	10:00	10:15	0.50	~~285~~ 225

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
10:05	.2	.2	~~285~~	8.0	2.65	18.65	1455	0.76	~~4.6~~ 446.4	446.4	clear	none
10:10	.15	.35	175	7.95	2.70	18.75	1419	0.45	4.2	434.3	clear	none
1015	.15	.50	175	7.90	2.72	18.85	1403	0.34	3.8	426.6	clear	none

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Sean Sarah Solutions-IES	[signature]	10:15	11:05

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
(Y) N	Y (N)	— µm	—	Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	PE	250 mL	NaOH ZnAC	Sulfide 376.2	PP
	1	PE	500 mL	None	Sulfate 300.0	PP
	2	AG	40 mL	HCL	TOC 415.1	PP
	2	AG	40mL	None	Inorganic Carbon 415.2	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: reduced flow at 10:05 due to drawdown

Field Kits: DO: 0.4

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-76-70I**	**Sample ID:** CEF-76-70I	**Date:** 3-3-09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	~~HDPE~~ (Teflon)	8.40	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
	1135	1155	0.8	200 mL

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1140	0.2	0.2	200	8.43	2.84	21.79	5774	0.93	37	351.1	Stained	none
1145	0.2	0.4	200	8.45	2.90	21.89	5805	0.56	35	328.4	Stained	none
1150	0.2	0.6	200	8.46	2.91	21.98	5848	0.38	33	313.5	Stained	none
1155	0.2	0.8	200	8.47	2.91	21.94	5855	0.34	31	309.3	Stained	none

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Sean Jessrah Solutions-IES	Sean Jessrah	1155	1225

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
(Y) N	Y (N)	— µm	—	Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: 1 gal total Purge

Field Kits:

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

** Denotes hazardous well

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-76-99D	**Sample ID:** CEF-076-99D	**Date:** 3/3/09

PURGING DATA

Well Diameter (inches):	**Tubing Diameter (inches):**	**Tubing:**	**Static Depth to water (feet):**	**Purge pump type or bailer:**	**Well Screen Interval Depth:**
1 (2) 3 4	(1/4) 3/8 1/2	LDPE ~~Teflon~~	13.67	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	**Purging Initiated:**	**Purging Ended:**	**Total Volume Purged (Gallons):**	**Sample Pump Flow Rate (mL/min):**
2' off bottom	1109	1132	0.75	130

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1115	0.1	0.1	200	15.05	6.36	25.70	3823	0.51	12	1.1	Clear	None
1120	0.2	0.3	150	15.35	6.38	25.28	3812	0.35	4	4.0		
1125	0.2	0.5	125	15.55	6.38	25.23	3815	0.22	5	7.5		
1128	0.1	0.6	100	15.55	6.38	25.09	3803	0.20	3	13.1		
1131	0.1	0.7	100	15.56	6.37	25.01	3794	0.18	3	14.5		

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	**Sampler(s) Signature:**	**Sampling Initiated:**	**Sampling Ended:**
Burkie Cathey / Terraine	Burkie Cathey	1132	1214

Field Decontamination:	**Field-Filtered:**	**Filter Size:**	**Filtration Equipment Type:**	**Duplicate:**
Y (N)	Y (N)	µm		Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	PE	250 mL	NaOH ZnAC	Sulfide 376.2	PP
	1	PE	500 mL	None	Sulfate 300.0	PP
	2	AG	40 mL	HCL	TOC 415.1	PP
	2	AG	40mL	None	Inorganic Carbon 415.2	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:
IDW = 1 gal.

Field Kits: DO: 0.3

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU, optionally + 5 NTU or + 10% (whichever is greater)

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field	**Site Location:** Jacksonville, Florida
Well Number: CEF-76-93S	**Sample ID:** CEF-076-93S **Date:** 3/3/09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	LDPE (Teflon)	8.00	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
	1232	1248	0.4	150

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1240	0.1	0.1	150	8.45	5.99	18.87	399	0.48	32	-46.2	turbid	None
1243	0.1	0.2	150	8.48	5.98	18.82	383	0.42	30	-39.8		
1246	0.1	0.3	150	8.50	5.98	18.87	369	0.37	29	-42.6		

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Burke Cathey/Terraine	Burke Cathey	1248	1315

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
Y N	Y (N)	µm		Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: IDW = 0.7 gal

Field Kits:

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field	**Site Location:** Jacksonville, Florida
Well Number: CEF-76-95S	**Sample ID:** CEF-076-95S **Date:** 3/3/09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	1/4 (3/8) 1/2	(LDPE) Teflon	7.61	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
2' from bottom	838	855	0.45	100

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
845	0.1	0.1		8.17	4.95	16.15	88	1.46	51	260.4	turbid	None
850	0.2	0.3		8.19	4.94	15.99	85	1.32	48	274.4		
853	0.1	0.4		8.20	4.92	15.93	85	1.27	43	280.9		

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Burke Cathey / Terraine	Burke Cathey	855	935

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
Y N	Y (N)	µm		Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	PE	250 mL	NaOH ZnAC	Sulfide 376.2	PP
	1	PE	500 mL	None	Sulfate 300.0	PP
	2	AG	40 mL	HCL	TOC 415.1	PP
	2	AG	40mL	None	Inorganic Carbon 415.2	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: Total IDW = .8 gal

Field Kits: DO: 1

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-76-113S**	**Sample ID:** CEF-076-1135	**Date:** 3/3/09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	LDPE (Teflon)	11.26	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
2' off bottom	957	1018	.55	100

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1008	0.2	0.2	~~11.29~~ 11.26	11.29	3.25	21.30	3339	0.68	21	133.7	Clear	Slight HC
1011	0.1	0.3		11.29	3.28	21.46	3360	0.49	14	118.6		
1014	0.1	0.4		11.29	3.29	21.43	3367	0.44	15	124.1		
1017	0.1	0.5		11.29	3.29	21.50	3375	0.39	13	109.3		

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Burke Cathey/Terraine	Burke Cathey	1018	1041

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
Y N	Y (N)	µm		Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:
IDW Total = 0.8 gal

Field Kits:

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

** Denotes hazardous well

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: North Fuel Farm - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-76-49S	**Sample ID:** CEF-076-49S	**Date:** 3/3/09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	LDPE (Teflon)	7.62	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
2' off bottom	~~1040~~ 1140	1158	0.8	180

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1148	0.3	0.3	180	7.91	2.40	21.25	2391	0.73	7.55	452.9	slight brown	—
1153	0.3	0.6	180	7.91	2.42	21.69	2349	0.58	5.37	452.8	"	—
1157	0.1	0.7	180	7.91	2.42	22.02	2336	0.60	7.75	451.2	"	—

Well Capacity (Gallons/Foot): **0.75"** = 0.02 **1"** = 0.04 **1.25"** = 0.06 **2"** = 0.16 **3"** = 0.37 **4"** = 0.65 **5"** = 1.02 **6"** = 1.47 **12"** = 5.88

Tubing Inside Diameter Capacity (Gallons/Foot): **1/8"** = 0.0006 **3/16"** = 0.0014 **1/4"** = 0.0026 **5/16"** = 0.004 **3/8"** = 0.006 **1/2"** = 0.010 **5/8"** = 0.016

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Dawn Marshall/Solutions-IES	Dawn Marshall	1200	1240

Field Decontamination:	Field-Filtered:	Filter Size:	Filtration Equipment Type:	Duplicate:
(Y) N	Y (N)	µm		Y (N)

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
	2	AG	1 L	None	PAHs 8310	PP
	2	AG	1 L	H_2SO_4	TRPH FL-PRO	PP
	3	PE	250 mL	NaOH ZnAC	Sulfide 376.2	PP
	~~2~~ 1	PE	500 mL	None	Sulfate 300.0	PP
	2	AG	40 mL	HCL	TOC 415.1	PP
	2	AG	40mL	None	Inorganic Carbon 415.2	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: ~1 gallon total purge

Field Kits: DO: 0.7

Material Codes: **AG** = Amber Glass **CG** = Clear Glass **PE** = Polyethylene **PP** = Polypropylene **S** = Silicone **T** = Teflon **O** = Other (Specify)

Sampling/Purging: **APP** = After Peristaltic Pump **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

Equipment Codes: **RFPP** = Reverse Flow Peristaltic Pump **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap **O** = Other (Specify)

Stabilization criteria for range of variation of last three consecutive readings: **pH:** + 0.2 units **Temperature:** + 0.2°C **Specific Conductance:** + 5%
Dissolved Oxygen: all readings < 20% saturation; optionally, + 0.2 mg/L or + 10% (whichever is greater)
Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

APPENDIX B

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY FORMS

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/30/09

Technical Report for

Solutions-IES, Inc

Cecil Field North Fuel Farm; Jacksonville, FL

8030.08A2.NAVF

Accutest Job Number: F63698

Sampling Date: 03/03/09

Report to:

Solutions-IES, Inc

jdehart@solutions-ies.com

ATTN: Jessica Dehart

Total number of pages in report: **93**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

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Accutest LabLink@88983 17:05 30-Apr-2009

Sample Summary

Solutions-IES, Inc

Job No: F63698

Cecil Field North Fuel Farm; Jacksonville, FL
Project No: 8030.08A2.NAVF

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F63698-1	03/03/09	09:15	JD	03/04/09	AQ	Ground Water	CEF-372-13R
F63698-2	03/03/09	08:55	JD	03/04/09	AQ	Ground Water	CEF-076-95S
F63698-3	03/03/09	09:45	JD	03/04/09	AQ	Ground Water	CEF-076-116D
F63698-4	03/03/09	08:45	JD	03/04/09	AQ	Ground Water	CEF-076-61I
F63698-5	03/03/09	10:15	JD	03/04/09	AQ	Ground Water	CEF-076-57S
F63698-6	03/03/09	11:00	JD	03/04/09	AQ	Ground Water	CEF-076-110D
F63698-7	03/03/09	11:10	JD	03/04/09	AQ	Field Blank Water	NFF-FB
F63698-8	03/03/09	11:05	JD	03/04/09	AQ	Ground Water	CEF-076-98D
F63698-9	03/03/09	12:00	JD	03/04/09	AQ	Ground Water	CEF-076-49S
F63698-10	03/03/09	11:55	JD	03/04/09	AQ	Ground Water	CEF-076-70I
F63698-11	03/03/09	12:55	JD	03/04/09	AQ	Ground Water	CEF-076-94S
F63698-12	03/03/09	11:32	JD	03/04/09	AQ	Ground Water	CEF-076-99D
F63698-13	03/03/09	10:18	JD	03/04/09	AQ	Ground Water	CEF-076-113S

Sample Summary
(continued)

Solutions-IES, Inc

Job No: F63698

Cecil Field North Fuel Farm; Jacksonville, FL
Project No: 8030.08A2.NAVF

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F63698-14	03/03/09	12:48	JD	03/04/09	AQ	Ground Water	CEF-076-93S
F63698-15	03/03/09	12:40	JD	03/04/09	AQ	Ground Water	CEF-076-100D

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Solutions-IES, Inc **Job No:** F63698

Site: Cecil Field North Fuel Farm; Jacksonville, FL **Report Date** 3/11/2009 4:34:25 PM

14 Samples and 1 Field Blank were collected on 03/03/2009 and received at Accutest on 03/04/2009 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F63698. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2773

All samples were analyzed within the recommended method holding time.

Sample(s) F63698-2MS, F63698-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD Recovery(s) for 2-Chloroethyl vinyl ether, Acetone are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

Matrix: AQ **Batch ID:** VJ2775

All samples were analyzed within the recommended method holding time.

Sample(s) F63698-8MS, F63698-8MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD Recovery(s) for 2-Chloroethyl vinyl ether, 4-Methyl-2-pentanone are outside control limits. Probable cause due to matrix interference.

F63698-10 for Methylene chloride: Suspected laboratory contaminant.

F63698-6 for Methylene chloride: Suspected laboratory contaminant.

F63698-13 for Methylene chloride: Suspected laboratory contaminant.

Extractables by GC By Method FLORIDA-PRO

Matrix: AQ **Batch ID:** OP28255

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63698-7MS, F63698-7MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8310

Matrix: AQ **Batch ID:** OP28258

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F63698-5MS, F63698-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F63698-6: All hits confirmed by spectral match using a diode array detector.

F63698-8: All hits confirmed by spectral match using a diode array detector.

F63698-4: All hits confirmed by spectral match using a diode array detector.

F63698-14: All hits confirmed by spectral match using a diode array detector.

F63698-10: All hits confirmed by spectral match using a diode array detector.

F63698-13: All hits confirmed by spectral match using a diode array detector.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ **Batch ID:** GP12599

All samples were distilled within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63701-1DUP, F63701-1MS were used as the QC samples for Sulfate.

Wet Chemistry By Method SM19 5310B/SW 9060A

Matrix: AQ **Batch ID:** GP12606

All samples were distilled within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63639-2DUP, F63639-2MS were used as the QC samples for Total Organic Carbon.

Matrix Spike Recovery(s) for Total Organic Carbon are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix: AQ **Batch ID:** GP12613

All samples were distilled within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63698-2DUP were used as the QC samples for Total Carbon.

Wet Chemistry By Method SM20 4500S F

Matrix: AQ **Batch ID:** GN34031

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63693-1DUP, F63693-1MS were used as the QC samples for Sulfide.

Wet Chemistry By Method SM20 5310B, 9060M

Matrix: AQ **Batch ID:** R21136

F63698-2 for Inorganic Carbon: Calculated as: Total Carbon - Total Organic Carbon

Matrix: AQ **Batch ID:** R21137

F63698-3 for Inorganic Carbon: Calculated as: Total Carbon - Total Organic Carbon

Matrix: AQ **Batch ID:** R21138

F63698-4 for Inorganic Carbon: Calculated as: Total Carbon - Total Organic Carbon

Matrix: AQ **Batch ID:** R21139

F63698-5 for Inorganic Carbon: Calculated as: Total Carbon - Total Organic Carbon

Matrix: AQ **Batch ID:** R21140

F63698-9 for Inorganic Carbon: Calculated as: Total Carbon - Total Organic Carbon

Matrix: AQ **Batch ID:** R21141

F63698-12 for Inorganic Carbon: Calculated as: Total Carbon - Total Organic Carbon

Matrix: AQ **Batch ID:** R21142

F63698-15 for Inorganic Carbon: Calculated as: Total Carbon - Total Organic Carbon

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Date: March 11, 2009

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CEF-372-13R		
Lab Sample ID:	F63698-1	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045400.D	1	03/05/09	KW	n/a	n/a	VJ2773
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-372-13R		
Lab Sample ID:	F63698-1	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-372-13R		
Lab Sample ID:	F63698-1	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	110%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-372-13R		
Lab Sample ID:	F63698-1	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE060777.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.95 U	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		43-121%
92-94-4	p-Terphenyl	68%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-372-13R		
Lab Sample ID:	F63698-1	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25519.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.335	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	65%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-95S		
Lab Sample ID:	F63698-2	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045391.D	1	03/05/09	KW	n/a	n/a	VJ2773
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-95S		
Lab Sample ID:	F63698-2	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-95S		
Lab Sample ID:	F63698-2	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	107%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-95S		
Lab Sample ID:	F63698-2	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE060778.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.95 U	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	56%		43-121%
92-94-4	p-Terphenyl	61%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-95S		
Lab Sample ID:	F63698-2	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25520.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-95S		
Lab Sample ID:	F63698-2	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
		Percent Solids:	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Inorganic Carbon [a]	6.8	2.0	1.0	mg/l	1	03/07/09 09:31	LE	SM20 5310B, 9060M
Sulfate	15.3	2.0	1.0	mg/l	1	03/04/09 15:59	CC	EPA 300/SW846 9056
Sulfide	39.0	1.0	0.60	mg/l	1	03/05/09	LE	SM20 4500S F
Total Carbon	28.7	1.0	0.50	mg/l	1	03/07/09 09:31	LE	SM19 5310B/SW 9060A
Total Organic Carbon	21.9	1.0	0.50	mg/l	1	03/05/09 17:24	AJC	SM19 5310B/SW 9060A

(a) Calculated as: Total Carbon - Total Organic Carbon

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CEF-076-116D		
Lab Sample ID:	F63698-3	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045401.D	1	03/05/09	KW	n/a	n/a	VJ2773
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	29.8	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	45.0	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	57.2	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
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I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-116D		
Lab Sample ID:	F63698-3	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.31	1.0	0.20	ug/l	I
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	11.3	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.7	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.31	2.0	0.20	ug/l	I
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	1.3	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-116D		
Lab Sample ID:	F63698-3	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-116D		
Lab Sample ID:	F63698-3	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE060779.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.95 U	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		43-121%
92-94-4	p-Terphenyl	83%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-116D		
Lab Sample ID:	F63698-3	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25583.D	1	03/09/09	NY	03/05/09	OP28255	GLL962
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.191	0.24	0.16	mg/l	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-116D		
Lab Sample ID:	F63698-3	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
		Percent Solids:	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Inorganic Carbon [a]	1.4 I	2.0	1.0	mg/l	1	03/07/09 09:38	LE	SM20 5310B, 9060M
Sulfate	13800	400	200	mg/l	200	03/06/09 00:36	CC	EPA 300/SW846 9056
Sulfide	0.60 U	1.0	0.60	mg/l	1	03/05/09	LE	SM20 4500S F
Total Carbon	57.2	1.0	0.50	mg/l	1	03/07/09 09:38	LE	SM19 5310B/SW 9060A
Total Organic Carbon	55.8	1.0	0.50	mg/l	1	03/05/09 17:39	AJC	SM19 5310B/SW 9060A

(a) Calculated as: Total Carbon - Total Organic Carbon

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CEF-076-61I		
Lab Sample ID:	F63698-4	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045402.D	1	03/05/09	KW	n/a	n/a	VJ2773
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	7.4	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.35	1.0	0.25	ug/l	I
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.31	1.0	0.28	ug/l	I
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-61I		
Lab Sample ID:	F63698-4	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.8	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	2.0	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	16.1	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	2.2	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	20.5	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	6.8	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	2.9	2.0	0.78	ug/l	
95-47-6	o-Xylene	4.1	1.0	0.37	ug/l	

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RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-61I		
Lab Sample ID:	F63698-4	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-61I		
Lab Sample ID:	F63698-4	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE060780.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.96 U	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	0.96 U	1.9	0.96	ug/l	
120-12-7	Anthracene	0.96 U	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.096 U	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.96 U	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	7.9	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	1.1	1.9	0.48	ug/l	I
91-57-6	2-Methylnaphthalene	1.9	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.96 U	1.9	0.96	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		43-121%
92-94-4	p-Terphenyl	57%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

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V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-61I		
Lab Sample ID:	F63698-4	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25584.D	1	03/09/09	NY	03/05/09	OP28255	GLL962
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.529	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	57%		38-122%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-61I		
Lab Sample ID:	F63698-4	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
		Percent Solids:	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Inorganic Carbon [a]	1.0 I	2.0	1.0	mg/l	1	03/07/09 09:48	LE	SM20 5310B, 9060M
Sulfate	8000	300	150	mg/l	150	03/06/09 00:53	CC	EPA 300/SW846 9056
Sulfide	1.8	1.0	0.60	mg/l	1	03/05/09	LE	SM20 4500S F
Total Carbon	55.9	1.0	0.50	mg/l	1	03/07/09 09:48	LE	SM19 5310B/SW 9060A
Total Organic Carbon	54.9	1.0	0.50	mg/l	1	03/05/09 17:57	AJC	SM19 5310B/SW 9060A

(a) Calculated as: Total Carbon - Total Organic Carbon

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CEF-076-57S		
Lab Sample ID:	F63698-5	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045403.D	1	03/05/09	KW	n/a	n/a	VJ2773
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	3.9	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
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I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-57S		
Lab Sample ID:	F63698-5	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.6	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.37	1.0	0.20	ug/l	I
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.0	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.45	2.0	0.20	ug/l	I
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	2.3	2.0	0.78	ug/l	
95-47-6	o-Xylene	1.7	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-57S		
Lab Sample ID:	F63698-5	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	107%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-57S		
Lab Sample ID:	F63698-5	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE060781.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.96 U	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	0.96 U	1.9	0.96	ug/l	
120-12-7	Anthracene	0.96 U	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.096 U	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.96 U	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.96 U	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.96 U	1.9	0.96	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		43-121%
92-94-4	p-Terphenyl	69%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-57S		
Lab Sample ID:	F63698-5	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25525.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-57S		
Lab Sample ID:	F63698-5	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
		Percent Solids:	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Inorganic Carbon [a]	2.2	2.0	1.0	mg/l	1	03/07/09 09:55	LE	SM20 5310B, 9060M
Sulfate	790	30	15	mg/l	15	03/06/09 01:46	CC	EPA 300/SW846 9056
Sulfide	6.2	1.0	0.60	mg/l	1	03/05/09	LE	SM20 4500S F
Total Carbon	15.3	1.0	0.50	mg/l	1	03/07/09 09:55	LE	SM19 5310B/SW 9060A
Total Organic Carbon	13.1	1.0	0.50	mg/l	1	03/05/09 18:13	AJC	SM19 5310B/SW 9060A

(a) Calculated as: Total Carbon - Total Organic Carbon

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CEF-076-110D		
Lab Sample ID:	F63698-6	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045413.D	2	03/06/09	KW	n/a	n/a	VJ2775
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	20 U	50	20	ug/l	
107-02-8	Acrolein	10 U	40	10	ug/l	
107-13-1	Acrylonitrile	4.0 U	20	4.0	ug/l	
71-43-2	Benzene	165	2.0	0.80	ug/l	
108-86-1	Bromobenzene	0.52 U	2.0	0.52	ug/l	
74-97-5	Bromochloromethane	0.46 U	2.0	0.46	ug/l	
75-27-4	Bromodichloromethane	0.40 U	2.0	0.40	ug/l	
75-25-2	Bromoform	0.66 U	2.0	0.66	ug/l	
104-51-8	n-Butylbenzene	0.56 U	2.0	0.56	ug/l	
135-98-8	sec-Butylbenzene	0.50 U	2.0	0.50	ug/l	
98-06-6	tert-Butylbenzene	0.64 U	2.0	0.64	ug/l	
108-90-7	Chlorobenzene	0.44 U	2.0	0.44	ug/l	
75-00-3	Chloroethane	0.96 U	4.0	0.96	ug/l	
67-66-3	Chloroform	0.56 U	2.0	0.56	ug/l	
95-49-8	o-Chlorotoluene	0.50 U	2.0	0.50	ug/l	
106-43-4	p-Chlorotoluene	0.42 U	2.0	0.42	ug/l	
110-75-8	2-Chloroethyl vinyl ether	2.0 U	10	2.0	ug/l	
75-15-0	Carbon disulfide	0.80 U	4.0	0.80	ug/l	
56-23-5	Carbon tetrachloride	0.44 U	2.0	0.44	ug/l	
75-34-3	1,1-Dichloroethane	0.48 U	2.0	0.48	ug/l	
75-35-4	1,1-Dichloroethylene	1.1 U	2.0	1.1	ug/l	
563-58-6	1,1-Dichloropropene	0.46 U	2.0	0.46	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.64 U	4.0	0.64	ug/l	
106-93-4	1,2-Dibromoethane	0.56 U	2.0	0.56	ug/l	
107-06-2	1,2-Dichloroethane	0.68 U	2.0	0.68	ug/l	
78-87-5	1,2-Dichloropropane	0.42 U	2.0	0.42	ug/l	
142-28-9	1,3-Dichloropropane	0.52 U	2.0	0.52	ug/l	
594-20-7	2,2-Dichloropropane	0.56 U	2.0	0.56	ug/l	
124-48-1	Dibromochloromethane	0.40 U	2.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	2.0 U	4.0	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.40 U	2.0	0.40	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.42 U	2.0	0.42	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-110D		
Lab Sample ID:	F63698-6	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.46 U	2.0	0.46	ug/l	
95-50-1	o-Dichlorobenzene	0.40 U	2.0	0.40	ug/l	
106-46-7	p-Dichlorobenzene	0.44 U	2.0	0.44	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.90 U	2.0	0.90	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.42 U	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	2.0	2.0	0.86	ug/l	
591-78-6	2-Hexanone	10 U	20	10	ug/l	
87-68-3	Hexachlorobutadiene	1.4 U	4.0	1.4	ug/l	
98-82-8	Isopropylbenzene	0.72	2.0	0.40	ug/l	I
99-87-6	p-Isopropyltoluene	0.64 U	2.0	0.64	ug/l	
108-10-1	4-Methyl-2-pentanone	4.0 U	10	4.0	ug/l	
74-83-9	Methyl bromide	1.6 U	4.0	1.6	ug/l	
74-87-3	Methyl chloride	1.2 U	4.0	1.2	ug/l	
74-95-3	Methylene bromide	0.60 U	4.0	0.60	ug/l	
75-09-2	Methylene chloride [a]	6.5	10	2.0	ug/l	I
78-93-3	Methyl ethyl ketone	4.0 U	10	4.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.52 U	2.0	0.52	ug/l	
91-20-3	Naphthalene	3.6	10	2.0	ug/l	I
103-65-1	n-Propylbenzene	0.56	2.0	0.50	ug/l	I
100-42-5	Styrene	0.72 U	2.0	0.72	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.40 U	2.0	0.40	ug/l	
71-55-6	1,1,1-Trichloroethane	0.66 U	2.0	0.66	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.42 U	2.0	0.42	ug/l	
79-00-5	1,1,2-Trichloroethane	0.52 U	2.0	0.52	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	0.68 U	4.0	0.68	ug/l	
120-82-1	1,2,4-Trichlorobenzene	1.0 U	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	10.2	4.0	0.44	ug/l	
108-67-8	1,3,5-Trimethylbenzene	2.7	4.0	0.40	ug/l	I
127-18-4	Tetrachloroethylene	0.44 U	2.0	0.44	ug/l	
108-88-3	Toluene	0.70 U	2.0	0.70	ug/l	
79-01-6	Trichloroethylene	0.64 U	2.0	0.64	ug/l	
75-69-4	Trichlorofluoromethane	1.0 U	4.0	1.0	ug/l	
75-01-4	Vinyl chloride	0.60 U	2.0	0.60	ug/l	
108-05-4	Vinyl Acetate	7.2 U	20	7.2	ug/l	
	m,p-Xylene	3.2	4.0	1.6	ug/l	I
95-47-6	o-Xylene	12.6	2.0	0.74	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-110D		
Lab Sample ID:	F63698-6	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	107%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

(a) Suspected laboratory contaminant.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-110D		
Lab Sample ID:	F63698-6	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE060784.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.96 U	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	0.96 U	1.9	0.96	ug/l	
120-12-7	Anthracene	0.96 U	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.096 U	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.96 U	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	3.2	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.96 U	1.9	0.96	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		43-121%
92-94-4	p-Terphenyl	58%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

U = Not detected MDL - Method Detection Limit
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I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-110D		
Lab Sample ID:	F63698-6	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25526.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.257	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NFF-FB		
Lab Sample ID:	F63698-7	**Date Sampled:**	03/03/09
Matrix:	AQ - Field Blank Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045405.D	1	03/05/09	KW	n/a	n/a	VJ2773
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NFF-FB		
Lab Sample ID:	F63698-7	**Date Sampled:**	03/03/09
Matrix:	AQ - Field Blank Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.6	5.0	1.0	ug/l	I
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NFF-FB		
Lab Sample ID:	F63698-7	**Date Sampled:**	03/03/09
Matrix:	AQ - Field Blank Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NFF-FB		
Lab Sample ID:	F63698-7	**Date Sampled:**	03/03/09
Matrix:	AQ - Field Blank Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE060787.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.96 U	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	0.96 U	1.9	0.96	ug/l	
120-12-7	Anthracene	0.96 U	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.096 U	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.96 U	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.96 U	1.9	0.96	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.96 U	1.9	0.96	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		43-121%
92-94-4	p-Terphenyl	92%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	NFF-FB		
Lab Sample ID:	F63698-7	**Date Sampled:**	03/03/09
Matrix:	AQ - Field Blank Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25527.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-98D		
Lab Sample ID:	F63698-8	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045416.D	1	03/06/09	KW	n/a	n/a	VJ2775
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	36.2	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-98D		
Lab Sample ID:	F63698-8	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.58	1.0	0.43	ug/l	I
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.7	5.0	1.0	ug/l	I
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.6	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.49	2.0	0.20	ug/l	I
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	1.1	2.0	0.78	ug/l	I
95-47-6	o-Xylene	3.1	1.0	0.37	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-98D		
Lab Sample ID:	F63698-8	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

U = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-98D		
Lab Sample ID:	F63698-8	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE060788.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.96 U	1.9	0.96	ug/l	
208-96-8	Acenaphthylene	0.96 U	1.9	0.96	ug/l	
120-12-7	Anthracene	0.96 U	1.9	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.096 U	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.96 U	1.9	0.96	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	1.2	1.9	0.96	ug/l	I
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.96 U	1.9	0.96	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		43-121%
92-94-4	p-Terphenyl	78%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

U = Not detected MDL - Method Detection Limit
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-98D		
Lab Sample ID:	F63698-8	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25530.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.364	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-49S		
Lab Sample ID:	F63698-9	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045423.D	1	03/06/09	KW	n/a	n/a	VJ2775
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	1.0	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-49S		
Lab Sample ID:	F63698-9	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.86	2.0	0.78	ug/l	I
95-47-6	o-Xylene	0.79	1.0	0.37	ug/l	I

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-49S		
Lab Sample ID:	F63698-9	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-49S		
Lab Sample ID:	F63698-9	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE060789.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.95 U	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		43-121%
92-94-4	p-Terphenyl	88%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-49S		
Lab Sample ID:	F63698-9	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25531.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.279	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-49S		
Lab Sample ID:	F63698-9	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
		Percent Solids:	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Inorganic Carbon [a]	3.7	2.0	1.0	mg/l	1	03/07/09 10:02	LE	SM20 5310B, 9060M
Sulfate	2260	70	35	mg/l	35	03/06/09 02:03	CC	EPA 300/SW846 9056
Sulfide	0.60 U	1.0	0.60	mg/l	1	03/05/09	LE	SM20 4500S F
Total Carbon	31.4	1.0	0.50	mg/l	1	03/07/09 10:02	LE	SM19 5310B/SW 9060A
Total Organic Carbon	27.7	1.0	0.50	mg/l	1	03/05/09 18:30	AJC	SM19 5310B/SW 9060A

(a) Calculated as: Total Carbon - Total Organic Carbon

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CEF-076-70I		
Lab Sample ID:	F63698-10	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045425.D	5	03/06/09	KW	n/a	n/a	VJ2775
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	50 U	130	50	ug/l	
107-02-8	Acrolein	25 U	100	25	ug/l	
107-13-1	Acrylonitrile	10 U	50	10	ug/l	
71-43-2	Benzene	178	5.0	2.0	ug/l	
108-86-1	Bromobenzene	1.3 U	5.0	1.3	ug/l	
74-97-5	Bromochloromethane	1.2 U	5.0	1.2	ug/l	
75-27-4	Bromodichloromethane	1.0 U	5.0	1.0	ug/l	
75-25-2	Bromoform	1.7 U	5.0	1.7	ug/l	
104-51-8	n-Butylbenzene	1.4 U	5.0	1.4	ug/l	
135-98-8	sec-Butylbenzene	1.3 U	5.0	1.3	ug/l	
98-06-6	tert-Butylbenzene	1.6 U	5.0	1.6	ug/l	
108-90-7	Chlorobenzene	1.1 U	5.0	1.1	ug/l	
75-00-3	Chloroethane	2.4 U	10	2.4	ug/l	
67-66-3	Chloroform	1.4 U	5.0	1.4	ug/l	
95-49-8	o-Chlorotoluene	1.3 U	5.0	1.3	ug/l	
106-43-4	p-Chlorotoluene	1.1 U	5.0	1.1	ug/l	
110-75-8	2-Chloroethyl vinyl ether	5.0 U	25	5.0	ug/l	
75-15-0	Carbon disulfide	2.0 U	10	2.0	ug/l	
56-23-5	Carbon tetrachloride	1.1 U	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	1.2 U	5.0	1.2	ug/l	
75-35-4	1,1-Dichloroethylene	2.7 U	5.0	2.7	ug/l	
563-58-6	1,1-Dichloropropene	1.2 U	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	1.6 U	10	1.6	ug/l	
106-93-4	1,2-Dibromoethane	1.4 U	5.0	1.4	ug/l	
107-06-2	1,2-Dichloroethane	1.7 U	5.0	1.7	ug/l	
78-87-5	1,2-Dichloropropane	1.1 U	5.0	1.1	ug/l	
142-28-9	1,3-Dichloropropane	1.3 U	5.0	1.3	ug/l	
594-20-7	2,2-Dichloropropane	1.4 U	5.0	1.4	ug/l	
124-48-1	Dibromochloromethane	1.0 U	5.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	5.0 U	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.0 U	5.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	1.1 U	5.0	1.1	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-70I		
Lab Sample ID:	F63698-10	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	1.2 U	5.0	1.2	ug/l	
95-50-1	o-Dichlorobenzene	1.0 U	5.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	1.1 U	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.3 U	5.0	2.3	ug/l	
10061-02-6	trans-1,3-Dichloropropene	1.1 U	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	7.4	5.0	2.2	ug/l	
591-78-6	2-Hexanone	25 U	50	25	ug/l	
87-68-3	Hexachlorobutadiene	3.5 U	10	3.5	ug/l	
98-82-8	Isopropylbenzene	12.2	5.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	1.6 U	5.0	1.6	ug/l	
108-10-1	4-Methyl-2-pentanone	10 U	25	10	ug/l	
74-83-9	Methyl bromide	3.9 U	10	3.9	ug/l	
74-87-3	Methyl chloride	3.1 U	10	3.1	ug/l	
74-95-3	Methylene bromide	1.5 U	10	1.5	ug/l	
75-09-2	Methylene chloride [a]	8.5	25	5.0	ug/l	I
78-93-3	Methyl ethyl ketone	10 U	25	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.3 U	5.0	1.3	ug/l	
91-20-3	Naphthalene	14.4	25	5.0	ug/l	I
103-65-1	n-Propylbenzene	11.2	5.0	1.3	ug/l	
100-42-5	Styrene	1.8 U	5.0	1.8	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U	5.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	1.7 U	5.0	1.7	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	1.1 U	5.0	1.1	ug/l	
79-00-5	1,1,2-Trichloroethane	1.3 U	5.0	1.3	ug/l	
87-61-6	1,2,3-Trichlorobenzene	2.5 U	5.0	2.5	ug/l	
96-18-4	1,2,3-Trichloropropane	1.7 U	10	1.7	ug/l	
120-82-1	1,2,4-Trichlorobenzene	2.5 U	5.0	2.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	70.9	10	1.1	ug/l	
108-67-8	1,3,5-Trimethylbenzene	21.7	10	1.0	ug/l	
127-18-4	Tetrachloroethylene	1.1 U	5.0	1.1	ug/l	
108-88-3	Toluene	1.8 U	5.0	1.8	ug/l	
79-01-6	Trichloroethylene	1.6 U	5.0	1.6	ug/l	
75-69-4	Trichlorofluoromethane	2.5 U	10	2.5	ug/l	
75-01-4	Vinyl chloride	1.5 U	5.0	1.5	ug/l	
108-05-4	Vinyl Acetate	18 U	50	18	ug/l	
	m,p-Xylene	67.2	10	3.9	ug/l	
95-47-6	o-Xylene	50.8	5.0	1.9	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-70I		
Lab Sample ID:	F63698-10	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

(a) Suspected laboratory contaminant.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-70I		
Lab Sample ID:	F63698-10	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE060790.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	12.4	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	76%		43-121%
92-94-4	p-Terphenyl	73%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-70I		
Lab Sample ID:	F63698-10	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25585.D	1	03/09/09	NY	03/05/09	OP28255	GLL962
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.592	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-94S		
Lab Sample ID:	F63698-11	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045426.D	1	03/06/09	KW	n/a	n/a	VJ2775
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-94S		
Lab Sample ID:	F63698-11	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-94S		
Lab Sample ID:	F63698-11	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	107%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-94S		
Lab Sample ID:	F63698-11	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE060791.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.95 U	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		43-121%
92-94-4	p-Terphenyl	77%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-94S		
Lab Sample ID:	F63698-11	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25533.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.238	0.24	0.16	mg/l	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-99D		
Lab Sample ID:	F63698-12	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045427.D	1	03/06/09	KW	n/a	n/a	VJ2775
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-99D		
Lab Sample ID:	F63698-12	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-99D		
Lab Sample ID:	F63698-12	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-99D		
Lab Sample ID:	F63698-12	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE060792.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.95 U	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		43-121%
92-94-4	p-Terphenyl	95%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-99D		
Lab Sample ID:	F63698-12	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25536.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-99D		
Lab Sample ID:	F63698-12	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
		Percent Solids:	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Inorganic Carbon [a]	30.3	2.0	1.0	mg/l	1	03/07/09 10:09	LE	SM20 5310B, 9060M
Sulfate	1530	50	25	mg/l	25	03/06/09 02:21	CC	EPA 300/SW846 9056
Sulfide	0.60 U	1.0	0.60	mg/l	1	03/05/09	LE	SM20 4500S F
Total Carbon	112	1.0	0.50	mg/l	1	03/07/09 10:09	LE	SM19 5310B/SW 9060A
Total Organic Carbon	81.7	1.0	0.50	mg/l	1	03/05/09 19:15	AJC	SM19 5310B/SW 9060A

(a) Calculated as: Total Carbon - Total Organic Carbon

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	CEF-076-113S		
Lab Sample ID:	F63698-13	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045428.D	200	03/06/09	KW	n/a	n/a	VJ2775
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	2000 U	5000	2000	ug/l	
107-02-8	Acrolein	1000 U	4000	1000	ug/l	
107-13-1	Acrylonitrile	400 U	2000	400	ug/l	
71-43-2	Benzene	12500	200	80	ug/l	
108-86-1	Bromobenzene	52 U	200	52	ug/l	
74-97-5	Bromochloromethane	46 U	200	46	ug/l	
75-27-4	Bromodichloromethane	40 U	200	40	ug/l	
75-25-2	Bromoform	66 U	200	66	ug/l	
104-51-8	n-Butylbenzene	56 U	200	56	ug/l	
135-98-8	sec-Butylbenzene	50 U	200	50	ug/l	
98-06-6	tert-Butylbenzene	64 U	200	64	ug/l	
108-90-7	Chlorobenzene	44 U	200	44	ug/l	
75-00-3	Chloroethane	96 U	400	96	ug/l	
67-66-3	Chloroform	56 U	200	56	ug/l	
95-49-8	o-Chlorotoluene	50 U	200	50	ug/l	
106-43-4	p-Chlorotoluene	42 U	200	42	ug/l	
110-75-8	2-Chloroethyl vinyl ether	200 U	1000	200	ug/l	
75-15-0	Carbon disulfide	80 U	400	80	ug/l	
56-23-5	Carbon tetrachloride	44 U	200	44	ug/l	
75-34-3	1,1-Dichloroethane	48 U	200	48	ug/l	
75-35-4	1,1-Dichloroethylene	110 U	200	110	ug/l	
563-58-6	1,1-Dichloropropene	46 U	200	46	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	64 U	400	64	ug/l	
106-93-4	1,2-Dibromoethane	56 U	200	56	ug/l	
107-06-2	1,2-Dichloroethane	68 U	200	68	ug/l	
78-87-5	1,2-Dichloropropane	42 U	200	42	ug/l	
142-28-9	1,3-Dichloropropane	52 U	200	52	ug/l	
594-20-7	2,2-Dichloropropane	56 U	200	56	ug/l	
124-48-1	Dibromochloromethane	40 U	200	40	ug/l	
75-71-8	Dichlorodifluoromethane	200 U	400	200	ug/l	
156-59-2	cis-1,2-Dichloroethylene	40 U	200	40	ug/l	
10061-01-5	cis-1,3-Dichloropropene	42 U	200	42	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-113S		
Lab Sample ID:	F63698-13	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	46 U	200	46	ug/l	
95-50-1	o-Dichlorobenzene	40 U	200	40	ug/l	
106-46-7	p-Dichlorobenzene	44 U	200	44	ug/l	
156-60-5	trans-1,2-Dichloroethylene	90 U	200	90	ug/l	
10061-02-6	trans-1,3-Dichloropropene	42 U	200	42	ug/l	
100-41-4	Ethylbenzene	345	200	86	ug/l	
591-78-6	2-Hexanone	1000 U	2000	1000	ug/l	
87-68-3	Hexachlorobutadiene	140 U	400	140	ug/l	
98-82-8	Isopropylbenzene	59.0	200	40	ug/l	I
99-87-6	p-Isopropyltoluene	64 U	200	64	ug/l	
108-10-1	4-Methyl-2-pentanone	400 U	1000	400	ug/l	
74-83-9	Methyl bromide	160 U	400	160	ug/l	
74-87-3	Methyl chloride	120 U	400	120	ug/l	
74-95-3	Methylene bromide	60 U	400	60	ug/l	
75-09-2	Methylene chloride [a]	393	1000	200	ug/l	I
78-93-3	Methyl ethyl ketone	400 U	1000	400	ug/l	
1634-04-4	Methyl Tert Butyl Ether	52 U	200	52	ug/l	
91-20-3	Naphthalene	200 U	1000	200	ug/l	
103-65-1	n-Propylbenzene	56.6	200	50	ug/l	I
100-42-5	Styrene	72 U	200	72	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	40 U	200	40	ug/l	
71-55-6	1,1,1-Trichloroethane	66 U	200	66	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	42 U	200	42	ug/l	
79-00-5	1,1,2-Trichloroethane	52 U	200	52	ug/l	
87-61-6	1,2,3-Trichlorobenzene	100 U	200	100	ug/l	
96-18-4	1,2,3-Trichloropropane	68 U	400	68	ug/l	
120-82-1	1,2,4-Trichlorobenzene	100 U	200	100	ug/l	
95-63-6	1,2,4-Trimethylbenzene	238	400	44	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	71.6	400	40	ug/l	I
127-18-4	Tetrachloroethylene	44 U	200	44	ug/l	
108-88-3	Toluene	70 U	200	70	ug/l	
79-01-6	Trichloroethylene	64 U	200	64	ug/l	
75-69-4	Trichlorofluoromethane	100 U	400	100	ug/l	
75-01-4	Vinyl chloride	60 U	200	60	ug/l	
108-05-4	Vinyl Acetate	720 U	2000	720	ug/l	
	m,p-Xylene	736	400	160	ug/l	
95-47-6	o-Xylene	696	200	74	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-113S		
Lab Sample ID:	F63698-13	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

(a) Suspected laboratory contaminant.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-113S		
Lab Sample ID:	F63698-13	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE060793.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	54.9	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	2.0	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	3.9	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		43-121%
92-94-4	p-Terphenyl	90%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-113S		
Lab Sample ID:	F63698-13	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25586.D	4	03/09/09	NY	03/05/09	OP28255	GLL962
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	2.56	0.95	0.65	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-93S		
Lab Sample ID:	F63698-14	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045429.D	1	03/06/09	KW	n/a	n/a	VJ2775
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
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V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-93S		
Lab Sample ID:	F63698-14	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	3.9	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	1.2	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.4	5.0	1.0	ug/l	I
103-65-1	n-Propylbenzene	0.65	1.0	0.25	ug/l	I
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.8	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.52	2.0	0.20	ug/l	I
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	1.5	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	10.0	2.0	0.78	ug/l	
95-47-6	o-Xylene	9.3	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-93S		
Lab Sample ID:	F63698-14	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-93S		
Lab Sample ID:	F63698-14	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	EE060794.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	1.1	1.9	0.95	ug/l	I
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.75	1.9	0.48	ug/l	I
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		43-121%
92-94-4	p-Terphenyl	82%		30-122%

(a) All hits confirmed by spectral match using a diode array detector.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-93S		
Lab Sample ID:	F63698-14	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25538.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.173	0.24	0.16	mg/l	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-100D		
Lab Sample ID:	F63698-15	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045430.D	1	03/06/09	KW	n/a	n/a	VJ2775
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-100D		
Lab Sample ID:	F63698-15	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-100D		
Lab Sample ID:	F63698-15	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	101%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-100D		
Lab Sample ID:	F63698-15	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EE060795.D	1	03/09/09	FEA	03/05/09	OP28258	GEE2214
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.95 U	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		43-121%
92-94-4	p-Terphenyl	76%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-100D		
Lab Sample ID:	F63698-15	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25539.D	1	03/06/09	NY	03/05/09	OP28255	GLL961
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-100D		
Lab Sample ID:	F63698-15	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/04/09
		Percent Solids:	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Inorganic Carbon [a]	21.6	2.0	1.0	mg/l	1	03/07/09 10:48	LE	SM20 5310B, 9060M
Sulfate	3010	90	45	mg/l	45	03/06/09 02:38	CC	EPA 300/SW846 9056
Sulfide	12.2	1.0	0.60	mg/l	1	03/05/09	LE	SM20 4500S F
Total Carbon	75.1	1.0	0.50	mg/l	1	03/07/09 10:48	LE	SM19 5310B/SW 9060A
Total Organic Carbon	53.5	1.0	0.50	mg/l	1	03/05/09 19:41	AJC	SM19 5310B/SW 9060A

(a) Calculated as: Total Carbon - Total Organic Carbon

RL = Reporting Limit = PQL
MDL = Method Detection Limit

U = Indicates a result < MDL
I = Indicates a result > = MDL but < RL

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: F63698
Accutest Quote #:

Client Information
Solutions-IES
Name: 1101 Nowell Road
Address: Raleigh NC 27607
City: Jessica Dehart State Zip
Send Report to:
Phone #: (919) 873-1060

Facility Information
Solutions-IES
Project Name
Location
Project/PO #: Cecil Field - North Fuel Farm
FAX #: (919) 873-1074

Analytical Information

Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs 8260B	PAHs 8310	TRPH FL-PRO	Sulfide 376.2	Sulfate 300.0	TOC 415.1	Inorganic Carbon 415.2
CEF-372-13A	3/3/09	915	Marshall	GW	6	2			2	2	X	X	X				
CEF-076-95S		855	Cathey		15	5	3		2	5	X	X	X	X	X	X	X
CEF-076-116D		945	Hazlewood		15	5	3		2	5	X	X	X	X	X	X	X
CEF-076-61i		845	Jarvah		15	5	3		2	5	X	X	X	X	X	X	X
CEF-076-57S		1015	Jarvah		15	5	3		2	5	X	X	X	X	X	X	X
CEF-076-110D		1100	Hazlewood		15	5	3		2	5	X	X	X	X	X	X	X
NFF-FB		1110	Robs		7	3			2	2	X	X	X				
CEF-076-98D		1105	Marshall		7	3			2	2	X	X	X				
CEF-076-49S		1200	Marshall		15	5	3		2	5	X	X	X	X	X	X	X
CEF-076-70i		1155	Jarvah		7	3			2	2	X	X	X				
CEF-076-94S		1255	Jarvah	W	7	3			2	2	X	X	X				

Turnaround Information
- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [ ] 7 Days *EMERGENCY*
- [x] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information
- [ ] NJ Reduced
- [ ] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks
Please provide labels with site name and tests pre-printed on the them. Please provide a TRIP BLANK in the cooler containing VOCs. Please Provide eight (8) Liters of deionized water. Standard 7 day TAT. COMMBN deliverables.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1 With	3/3/09 1460	[illegible]	[illegible]	[illegible]	Accutest
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4 3-4-09 08:10
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applical	On Ice:
5		5			2.0 2.2 2.4 2.0 2.6 1.6 1.4 2.0 2.0

4.1
4

F63698: Chain of Custody
Page 1 of 3

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
732-329-0200 FAX: 732-329-3499/3480

Accutest Job #:
Accutest Quote #: F63698

Client Information

Solutions-IES
Name: 1101 Nowell Road
Address: Raleigh NC 27607
City State Zip
Jessica Dehart
Send Report to:
Phone #: (919) 873-1060

Facility Information

Solutions-IES
Project Name
Location
Project/PO #: Cecil Field - North Fuel Farm
FAX #: (919) 873-1074

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	Preservation NaOH	Preservation HNO3	Preservation H2SO4	Preservation None	VOCs 8260B	PAHs 8310	TRPH FL-PRO	Sulfide 376.2	Sulfate 300.0	TOC 415.1	Inorganic Carbon 415.2
CEF-076-99D	3/3/9	1132	Cathy	gw	15	5	3		2	5	X	X	X	X	X	X	X
CEF-076-113S	↓	1018	Cathy	↓	7	3			2	2	X	X	X				
CEF-076-93S	↓	1248	Cathy	↓	6	2			2	2	X	X	X				
CEF-076-100D	↓	1240	Hazlewood	↓	15	5	3		2	5	X	X	X	X	X	X	X

Turnaround Information

- [ ] 21 Day Standard — Approved By:
- [ ] 14 Day
- [ ] 7 Days *EMERGENCY*
- [x] Other _____ (Days)

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

- [ ] NJ Reduced
- [ ] NJ Full
- [ ] FULL CLP
- [ ] Disk Deliverable
- [ ] Other (Specify)
- [ ] Commercial "A"
- [ ] Commercial "B"
- [ ] ASP Category B
- [ ] State Forms

Comments / Remarks

Please provide labels with site name and tests pre-printed on the them. Please provide a TRIP BLANK in the cooler containing VOCs. Please Provide eight (8) Liters of deionized water. Standard 7 day TAT. COMMBN deliverables.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By:
1	3/3/09 1400		3/3/09 1400		
3		3	4		4
5		5	Seal # / Preserved where applicable		On Ice: 2.0 2.2 2.4 2.0 2.6 1.6 1.4 2.0 2.0

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F63698 CLIENT: Solutions - DES PROJECT: Cecil Field

DATE/TIME RECEIVED: 3-4-09 08:00 # OF COOLERS RECEIVED: 9 COOLER TEMPS: 2.0 2.2 2.4 2.0 2.6 1.6 1.4 2.0 2.0

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [x] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [x] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Samp #6 only recieved 3 (8260) vials, 2 Ambers (8310); 2 Ambers (Pl-pro),
Samples 1 : 14 only recieved 2 vials (8260)
COC ask for sulfide, sulfate, TOC, TIC

TECHNICIAN SIGNATURE/DATE E.T. 3-4-09 TECHNICIAN SIGNATURE/DATE JC 3-4-09

ASBD 12/17/07

F63698: Chain of Custody
Page 3 of 3

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/30/09

Technical Report for

Solutions-IES, Inc

Cecil Field North Fuel Farm; Jacksonville, FL

8030.08A2.NAVF

Accutest Job Number: F63723

Sampling Date: 03/03/09

Report to:

Solutions-IES, Inc

jdehart@solutions-ies.com

ATTN: Jessica Dehart

Total number of pages in report: **13**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

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Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Note: This report is password protected to disallow document modification or assembly.
A password to unlock this report is available from your client service representative.

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Accutest LabLink@88983 17:07 30-Apr-2009

Sample Summary

Solutions-IES, Inc

Job No: F63723

Cecil Field North Fuel Farm; Jacksonville, FL
Project No: 8030.08A2.NAVF

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F63723-1	03/03/09	13:40	DM	03/05/09	AQ	Ground Water	CEF-076-50I

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Solutions-IES, Inc **Job No:** F63723

Site: Cecil Field North Fuel Farm; Jacksonville, FL **Report Date** 3/13/2009 3:09:43 PM

1 Samples were collected on 03/03/2009 and received at Accutest on 03/05/2009 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F63723. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VJ2775

All samples were analyzed within the recommended method holding time.

Sample(s) F63698-8MS, F63698-8MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD Recovery(s) for 2-Chloroethyl vinyl ether, 4-Methyl-2-pentanone are outside control limits. Probable cause due to matrix interference. See Blank Spike for method performance in clean matrix.

Extractables by GC By Method FLORIDA-PRO

Matrix: AQ **Batch ID:** OP28264

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F63721-5MSD, F63721-5MS, F63721-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for TPH (C8-C40) are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Sample(s) OP28264-MS, OP28264-MSD have surrogates outside control limits. Probable cause due to matrix interference.

OP28264-MSD for o-Terphenyl: Outside control limits due to matrix interference.

OP28264-MS for o-Terphenyl: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8310

Matrix: AQ **Batch ID:** OP28266

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63715-3MS, F63715-3MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for Indeno(1,2,3-cd)pyrene are outside control limits.

OP28266-BS for Indeno(1,2,3-cd)pyrene: Sporadic marginal failure.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Date: March 13, 2009

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CEF-076-50I		
Lab Sample ID:	F63723-1	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J045432.D	1	03/06/09	KW	n/a	n/a	VJ2775
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	67.3	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.48	1.0	0.34	ug/l	I
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-50I		
Lab Sample ID:	F63723-1	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.77	1.0	0.43	ug/l	I
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.21	1.0	0.20	ug/l	I
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.4	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.33	2.0	0.20	ug/l	I
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	5.1	2.0	0.78	ug/l	
95-47-6	o-Xylene	10.0	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-50I		
Lab Sample ID:	F63723-1	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-50I		
Lab Sample ID:	F63723-1	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
Method:	SW846 8310 SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA048191.D	1	03/10/09	FEA	03/06/09	OP28266	GAA1929
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.95 U	1.9	0.95	ug/l	
208-96-8	Acenaphthylene	0.95 U	1.9	0.95	ug/l	
120-12-7	Anthracene	0.95 U	1.9	0.95	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.048 U	0.19	0.048	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.48 U	1.9	0.48	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.48 U	1.9	0.48	ug/l	
86-73-7	Fluorene	0.95 U	1.9	0.95	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
91-20-3	Naphthalene	0.95 U	1.9	0.95	ug/l	
90-12-0	1-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
91-57-6	2-Methylnaphthalene	0.48 U	1.9	0.48	ug/l	
85-01-8	Phenanthrene	0.95 U	1.9	0.95	ug/l	
129-00-0	Pyrene	0.48 U	1.9	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		43-121%
92-94-4	p-Terphenyl	86%		30-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-076-50I		
Lab Sample ID:	F63723-1	**Date Sampled:**	03/03/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
Method:	FLORIDA-PRO SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field North Fuel Farm; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL25578.D	1	03/09/09	NY	03/06/09	OP28264	GLL962
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.260	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		38-122%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

29411

ACCUTEST.

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Jessica Dehart JDehart@solutions-IES.com

Accutest JOB # F63723 PAGE 1 OF 1

Accutest Quote # SDG#

Client / Reporting Information

Company Name: Solutions-IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: ~~Brian Brinn~~ ~~BBrinn@solutions-IES.com~~
Phone#: (919) 8731060
Sampler(s) Name(s) (Printed): Dawn Marshall

Project Information

Project Name: Cecil Field - North Fuel Farm
Street:
City: Jacksonville State: FL
Project #: 8030.08A2.NAVF
Fax #:
Client Purchase Order #:

Analytical Information

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	PAH, 8310	TRPH FL-PRO	VOCs 8260B								LAB USE ONLY
1	CEF-076-50I	3/3/09	1340	DM	GW	7		X	X			X				X	X	X								

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Dawn Marshall	3-4-09 12:15	2 Elizabeth [illegible] Accutest 3/4/09 1215	3 Elizabeth [illegible] Accutest	3/4/09	4 [illegible] Accutest 3/5/09 8:00
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 6 Cooler Temperature (s) Celsius: 2.0 1.8 2.2 1.6 2 2.6 2.0 1.8

F63723: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F63723 CLIENT: Solutions-IES PROJECT: Cecil Fields - North Fuel Farm

DATE/TIME RECEIVED: 3/5/09 8:00 # OF COOLERS RECEIVED: 8 COOLER TEMPS: 2.0 (1.8) 2.2 1.6 2.4 2.8 1.8 2.6

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DOES NOT MATCH LABEL(S)
- [ ] ID'S ON COC DOES NOT MATCH LABEL(S)
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

MISC. INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 3/5/09 TECHNICIAN SIGNATURE/DATE JC 3-5-09

ASBD 12/17/07

4.1

4

F63723: Chain of Custody

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