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NAS CECIL FIELD, FL
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SECOND SEMI-ANNUAL GROUNDWATER MONITORING REPORT SEPTEMBER 2009 FOR DAY TANK 1 NAS CECIL FIELD FL

3/5/2010

SOLUTIONS-IES INC

SECOND SEMI-ANNUAL
GROUNDWATER MONITORING REPORT
SEPTEMBER 2009

DAY TANK 1
FORMER NAS CECIL FIELD
JACKSONVILLE, FL

CONTRACT NO. N62467-05-G-0193
CONTRACT TASK ORDER NO. 0001

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March 5, 2010

Solutions-IES
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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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TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 SITE LOCATION AND DESCRIPTION 1
1.2 SITE HISTORY 1
2.0 GROUNDWATER MONITORING SUMMARY 2
2.1 MONITORING WELL OBSERVATIONS 2
2.2 WATER LEVEL MEASUREMENTS 2
2.3 GROUNDWATER SAMPLING 2
2.3.1 Methodology 2
2.3.2 Laboratory Analyses 3
2.4 INVESTIGATION DERIVED WASTE (IDW) 3
3.0 SAMPLING AND ANALYTICAL RESULTS 3
3.1 DATA REVIEW 3
3.2 FIELD PARAMETERS 4
3.3 LABORATORY ANALYTICAL RESULTS 4
4.0 CONCLUSIONS 5
5.0 REFERENCES 5

FIGURES

Figure 1 – Site Location Map
Figure 2 – Well Location Map
Figure 3 – Groundwater Contour Map
Figure 4 – Contaminant Concentration Map
Figure 5 – Historical Isopropylbenzene Concentrations in Select Wells
Figure 6 – Historical Naphthalene Concentrations in Select Wells
Figure 7 – Historical 1,2,4-Trimethylbenzene Concentrations in Select Wells

TABLES

Table 1 – Groundwater Elevations
Table 2 – Field Parameters
Table 3 – Laboratory Analytical Results

APPENDICES

Appendix A – Laboratory Analytical Report and Chain-of-Custody Forms
Appendix B – Groundwater Sampling Logs

1.0 INTRODUCTION

Solutions-IES, Inc. (Solutions-IES) has been contracted by the Navy (NAVFAC Southeast) to provide long-term groundwater monitoring at Day Tank 1 (site), Former Naval Air Station (NAS) Cecil Field, Jacksonville, Florida, under Basic Ordering Agreement (BOA) Contract Number N62467-05-G-0193, Contract Task Order Number 0001. Under this contract, Solutions-IES, with support from Terraine, Inc., performs semi-annual groundwater monitoring. This Semi-Annual Groundwater Monitoring Report details the activities performed at the site on September 15, 2009.

1.1 SITE LOCATION AND DESCRIPTION

The Day Tank 1 site is located at the former NAS Cecil Field, approximately 1/8 mile south of the "A" Avenue gate on Jet Road. The Day Tank 1 site formerly housed an earth-mounded, 200,000-gallon above ground storage tank (AST) containing jet propellant 5 aviation fuel (JP-5). Fuel was piped from the tank via an underground fuel distribution line to the flightline area. A site map is included as **Figure 1**.

1.2 SITE HISTORY

Investigations conducted at the site identified significant impacts from numerous leaks associated with the AST system. In 1999, the AST was removed and approximately 24,000 tons of impacted soils were excavated. A remedial action plan (RAP) was prepared which recommended a biosparge/soil vapor extraction (BS/SVE) system to reduce the concentrations of petroleum-related contaminants in the groundwater and soil to target levels specified in Chapter 62-777 Florida Administrative Code (FAC). The BS/SVE system was installed in 2000 and operated until the Florida Department of Environmental Protection (FDEP) approved decommissioning the system on August 15, 2003. Post-active remediation monitoring in accordance with Chapter 62-770.750, FAC began at that time.

The FDEP issued a Natural Attenuation Monitoring Plan Approval Order (Order) for post-active remediation monitoring in October 2006. The sampling schedule includes semi-annual monitoring of 12 wells for volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs). Eight of the 12 wells previously served as vapor extraction wells during active remediation.

2.0 GROUNDWATER MONITORING SUMMARY

During the September 2009 monitoring event, water levels were recorded and groundwater samples were collected for laboratory analysis of VOCs and PAHs from wells CEF-293-02, CEF-293-09, CEF-293-13, CEF-293-22, VEW-1, VEW-2, VEW-3, VEW-4, VEW-5, VEW-6, VEW-7 and VEW-8. Locations of the wells are illustrated on **Figure 2**.

2.1 MONITORING WELL OBSERVATIONS

The integrity of the monitoring wells included in the long-term monitoring plan was evaluated during the sampling event. The field team noted no extensive damage (i.e., the need for well replacement or repair) to the wells during the September 2009 event.

2.2 WATER LEVEL MEASUREMENTS

Water level measurements were recorded in 12 wells on September 15, 2009. **Table 1** shows current and historical groundwater measurements at the site from April 2007 through the current sampling event. Based on this information, the general direction of groundwater flow in the source area is towards the southeast, which is consistent with previous sampling events. A groundwater contour map for the site was prepared based on the groundwater elevations measured during the September 2009 event and has been included as **Figure 3**.

2.3 GROUNDWATER SAMPLING

2.3.1 Methodology

Groundwater sampling was conducted at the Day Tank 1 site on September 15, 2009. Four monitoring wells and eight former vapor extraction wells were purged and sampled using low-flow methodology in general accordance with the FDEP, FS 2200 Groundwater Sampling Procedures (December 2008) and the Solutions-IES Work Plan (September 2008). The wells were purged immediately before sampling using a low-flow peristaltic pump, at a 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) was also recorded. Water levels in the wells were continuously monitored during purging to maintain minimal drawdown. Samples were also collected for field analysis of DO using

CHEMetrics® field test kits. Field parameters from the sampling event are provided in **Table 2**.

Samples were stored on ice and delivered via courier under chain-of-custody procedures to Accutest Laboratories Southeast, Inc. (Accutest), a Florida-certified and National Environmental Laboratory Accreditation Program (NELAP) certified laboratory, located in Orlando, Florida.

2.3.2 Laboratory Analyses

Groundwater samples collected at the site were analyzed for the following:

- VOCs by EPA Method 8260B
- PAHs by EPA Method 8270C

A Level II data report was provided by the laboratory and is provided in **Appendix A**.

2.4 INVESTIGATION DERIVED WASTE (IDW)

Purge, wash and rinse water was collected in 5-gallon containers and transferred to a labeled 55-gallon drum (Drum ID SIES-09142009-001). The drum was staged in the IDW Storage Building (Building 536). The NAS Jacksonville Public Works Department (PWD-JAX) was notified on September 29, 2009 that the drum was being stored in the building. The Hazardous Waste IDW Characterization Summary Report for disposal was forwarded to PWD-JAX on October 22, 2009.

3.0 SAMPLING AND ANALYTICAL RESULTS

3.1 DATA REVIEW

Accutest data analysts reviewed their data according to laboratory standard operating procedures (SOPs) for Level II quality control/quality assurance reporting. As indicated in the laboratory case narrative (**Appendix A**), the laboratory spiked QC samples were outside control limits for several constituents due to possible matrix interference or sample homogeneity. The review also resulted in several data qualifiers. These are shown with the analyte concentrations in **Table 3**.

3.2 FIELD PARAMETERS

Temperature, pH, conductivity, turbidity, DO and ORP were measured with direct read meters in all 12 wells during purging. DO was also measured in all 12 wells at the completion of purging using CHEMetrics® field test kits. Results of the field measurements from 2007 to the current monitoring event are shown in **Table 2**. Copies of the groundwater sampling logs, including all field parameter measurements, are provided in **Appendix B**. A summary of the field parameter measurements is shown below:

- pH ranged from 5.00 to 8.91 standard units;
- Conductivity ranged from 138 to 510 microsiemens per centimeter (µS/cm);
- Turbidity ranged from 2.35 to 129 nephelometric turbidity units (NTU);
- ORP ranged from -140.2 to 929.7 millivolts (mV); and
- DO measured with CHEMetrics® field test kits ranged from 0.2 to 2.0 milligrams per liter (mg/L).

3.3 LABORATORY ANALYTICAL RESULTS

Isopropylbenzene, 1,2,4-trimethylbenzene and naphthalene were the only contaminants of concern (COC) detected above their respective regulatory limits in September 2009. Well locations and constituent concentrations in excess of the regulatory limits are shown on **Figure 4**.

- Concentrations of isopropylbenzene exceeded the Groundwater Cleanup Target Level (GCTL) of 0.8 µg/L in wells CEF-293-09, VEW-3, VEW-4, VEW-6, VEW-7 and VEW-8. The highest concentration of isopropylbenzene (10.7 µg/L) was reported in well VEW-8 which also exceeds the Natural Attenuation Default Source Concentration (NADSC) of 8 µg/L. Isopropylbenzene concentrations in the remaining wells were similar to those reported in March 2009.

- 1,2,4-Trimethylbenzene was reported above the GCTL of 10 µg/L in wells VEW-4 and VEW-7. The concentration in well VEW-4 (30.0 µg/L) was similar to the March 2009 result. 1,2,4-Trimethylbenzene concentration in VEW-7 was 13.9 µg/L which represents a decrease from the March 2009 concentration of 37.3 µg/L.

- Naphthalene (EPA method 8270) was detected above of the GCTL of 14 µg/L in well VEW-7 (43.1 µg/L).

No other VOCs or PAHs were detected above their respective GCTLs. The results are summarized in **Table 3** and the laboratory analytical report is included in **Appendix A**. Graphs displaying historical results for isopropylbenzene and naphthalene in select wells are shown on **Figures 5** and **6**, respectively. A graph displaying historical 1,2,4-trimethylbenzene concentration trends for select wells is shown on **Figure 7**.

4.0 CONCLUSIONS

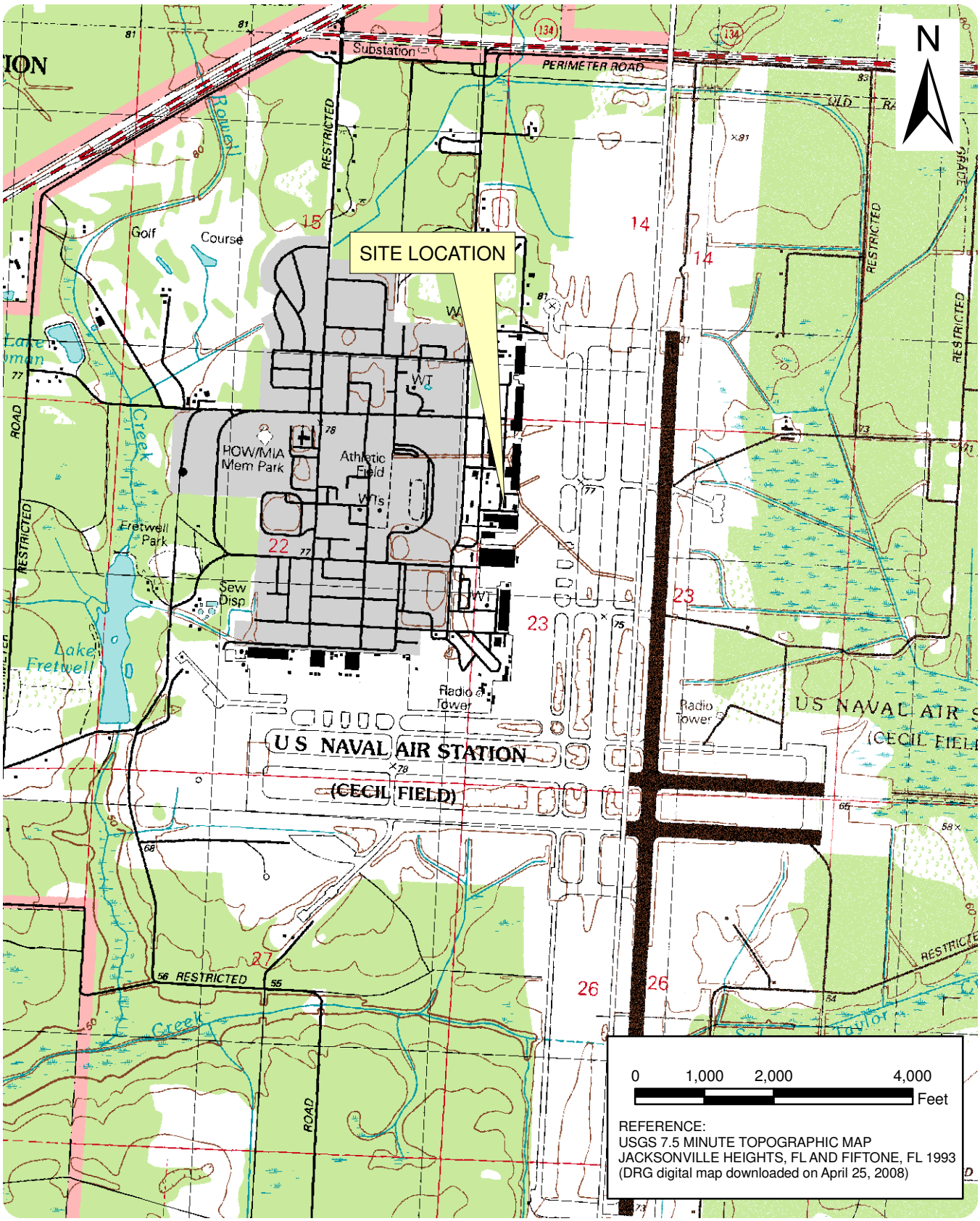
Monitoring wells at the Day Tank 1 site continue to exhibit concentrations of isopropylbenzene, 1,2,4-trimethylbenzene and naphthalene above their respective GCTLs. The highest concentrations detected were reported in wells VEW-4, VEW-7 and VEW-8.

No changes have been made to the Solutions-IES Work Plan since Solutions-IES was awarded this contract in January 2008 with the exception of removing the free product monitoring. The September 2009 sampling was conducted in general accordance with the Order and previous sampling events. The next semi-annual groundwater monitoring event will be conducted in March 2010.

5.0 REFERENCES

Florida Department of Environmental Protection (FDEP), 2008. DEP-SOP-001/01, FS 2200 Groundwater Sampling, December 2008.

FIGURES



PROJECT NUMBER	DRAFTER	CHECKED BY	PROJECT MANAGER	DATE	FILE
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SITE LOCATION MAP
DAY TANK 1 - NAS CECIL FIELD
JACKSONVILLE, FL

FIGURE:
1

FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
Figure3.pdf	10/13/2009	BMR	JLK	PRL	4080.08A2.CECI

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WELL LOCATION MAP
DAY TANK 1 - NAS CECIL FIELD
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SEPTEMBER 2009

FIGURE:
2

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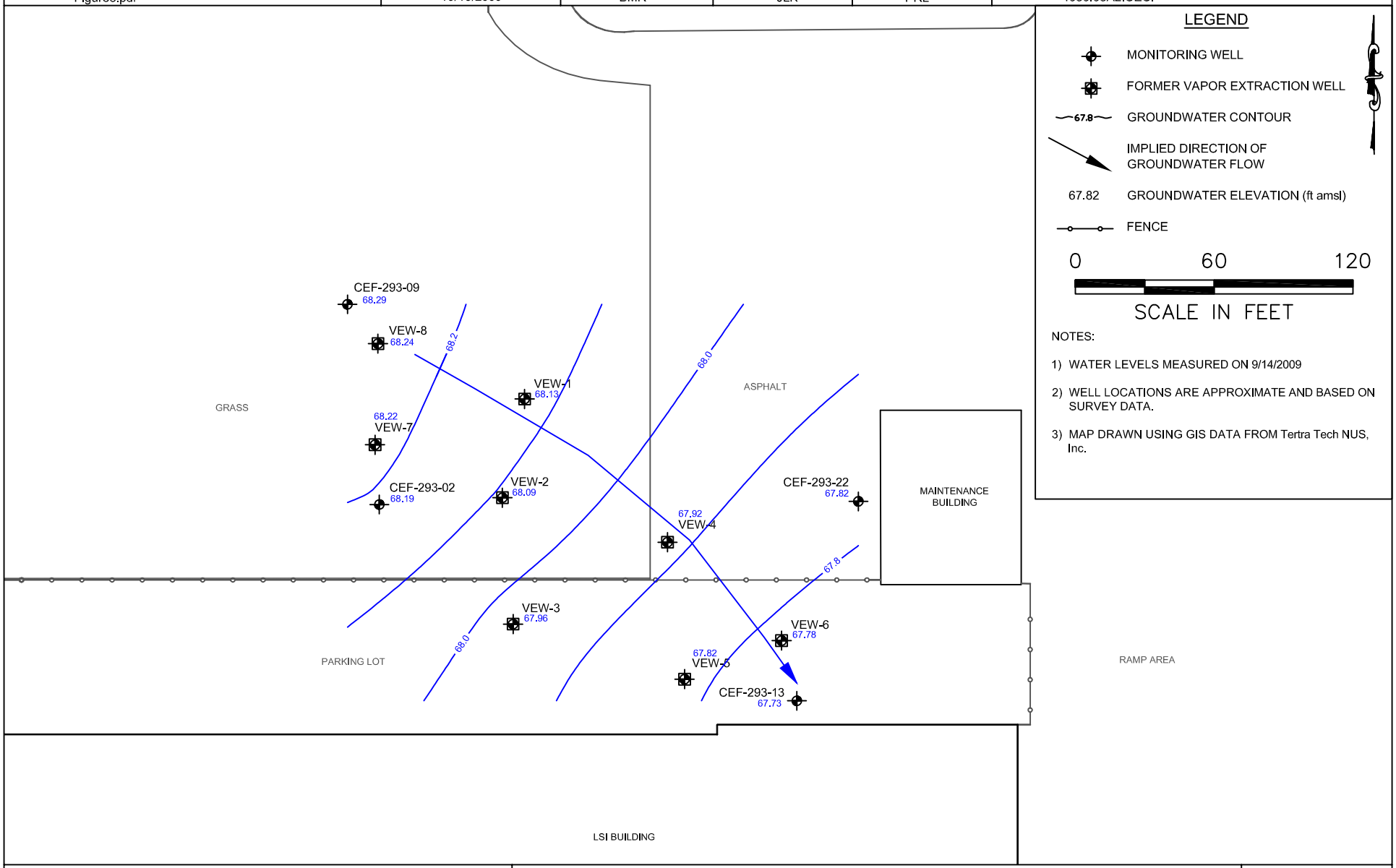
FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
Figure3.pdf	10/13/2009	BMR	JLK	PRL	4080.08A2.CECI



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GROUNDWATER CONTOUR MAP
DAY TANK 1 - NAS CECIL FIELD
JACKSONVILLE, FLORIDA
SEPTEMBER 2009

FIGURE:
3

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FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
Figure4.pdf	10/13/2009	BMR	JLK	PRL	4080.08A2.CECI

LEGEND

- MONITORING WELL
- FORMER VAPOR EXTRACTION WELL
- 5.9 — EXCEEDENCE OF GCTL[1]
- 148 — EXCEEDENCE OF NADSC[2]
- FENCE

0 60 120

SCALE IN FEET

NOTES:

1) GCTL - GROUNDWATER CLEANUP TARGET LEVEL
2) NADSC - NATURAL ATTENUATION DEFAULT SOURCE CONCENTRATION
3) WELL LOCATIONS ARE APPROXIMATE AND BASED ON SURVEY DATA.
4) MAP DRAWN USING GIS DATA FROM Tertra Tech NUS, Inc.

CEF-293-09

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
Isopropylbenzene (µg/L)	2.66	1.7	2.3	1.4

VEW-8

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
Isopropylbenzene (µg/L)	2.06	1.50	5.40	10.70

VEW-1

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
1,2,4-Trimethylbenzene (µg/L)	5.01	13.8	7.6	0.41
Isopropylbenzene (µg/L)	1.11	3.3	2.1	0.73

VEW-7

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
Benzene (µg/L)	0.410	0.82	1.5	0.51
Naphthalene (µg/L)	18.7	35.8	62.1	43.1
1 - Methylnaphthalene (µg/L)	8.42	18.2	30.6	16.6
2 - Methylnaphthalene (µg/L)	9.70	23.3	41.8	22.1
1,2,4 - Trimethylbenzene (µg/L)	9.13	31.1	37.3	13.9
Xylenes (µg/L)	3.84	12.8	24.5	4.3
Isopropylbenzene (µg/L)	3.34	5.7	7.5	3.3

VEW-2

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
Isopropylbenzene (µg/L)	1.45	3.1	1.3	0.40

VEW-4

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
Naphthalene (µg/L)	29.9	4.4	14.6	8.6
1,2,4 - Trimethylbenzene (µg/L)	28.0	18.1	38.6	30.0
Isopropylbenzene (µg/L)	4.74	4.8	5.9	5.8

CEF-293-02

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
1,2,4 - Trimethylbenzene (µg/L)	<0.516	4.4	11.9	0.43
Isopropylbenzene (µg/L)	<0.365	1.2	2.2	0.23

VEW-6

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
1,2,4-Trimethylbenzene (µg/L)	0.780	31.1	1.1	0.72
Isopropylbenzene (µg/L)	3.97	<0.20	1.3	1.8

VEW-3

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
1,2,4 - Trimethylbenzene (µg/L)	9.70	9.8	22.5	8.8
Isopropylbenzene (µg/L)	2.99	2.5	3.3	2.2

CEF-293-13

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
Isopropylbenzene (µg/L)	2.24	0.28	<0.20	<0.20

VEW-5

	3/5/2008	10/11/2008	3/4/2009	9/15/2009
Isopropylbenzene (µg/L)	<0.365	6.1	<0.20	<0.20

ASPHALT

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CONTAMINANT CONCENTRATION MAP
DAY TANK 1 - NAS CECIL FIELD
JACKSONVILLE, FLORIDA
SEPTEMBER 2009

FIGURE: 4

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FIGURE 5
Historical Isopropylbenzene Concentrations in Select Wells

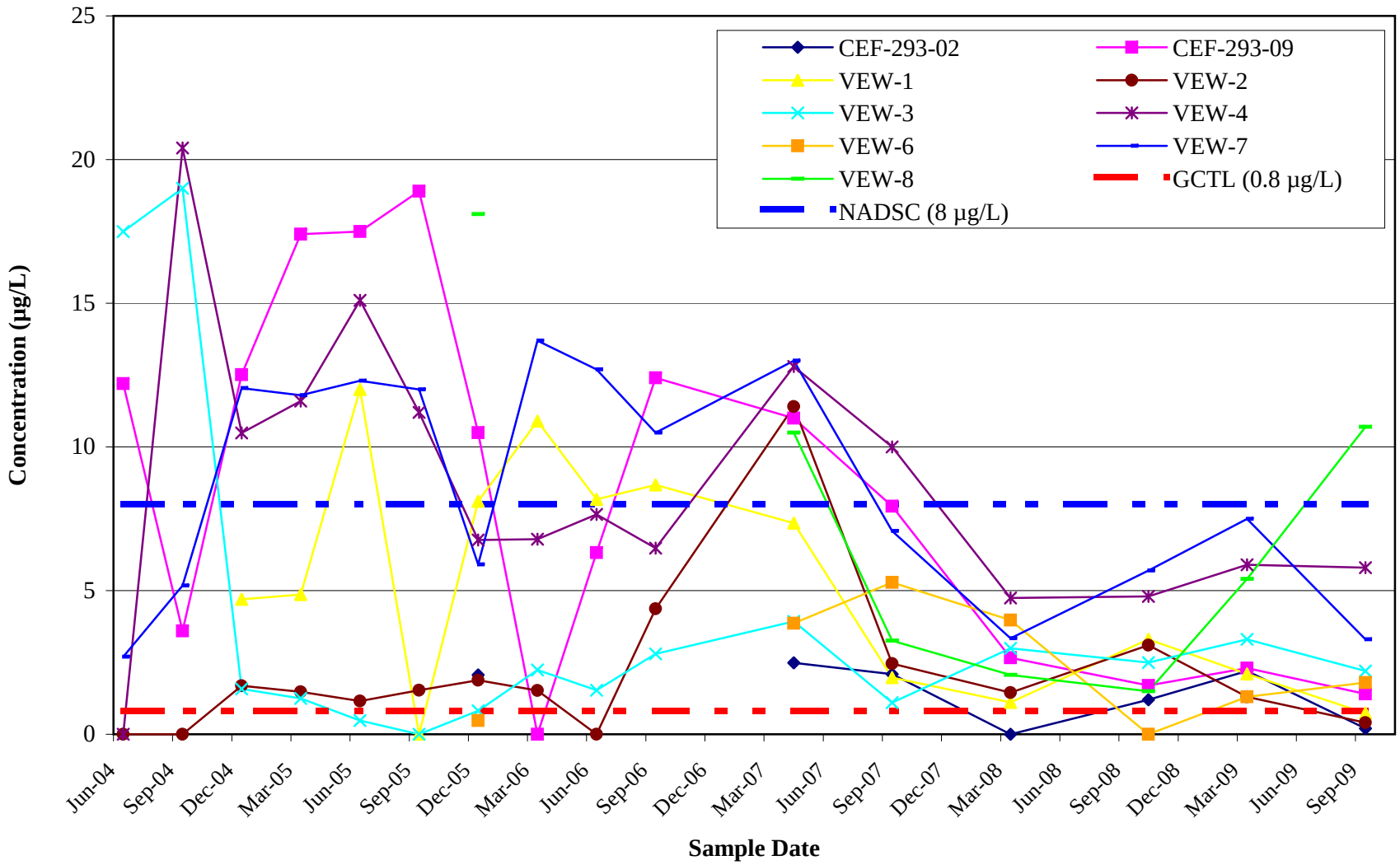


FIGURE 6
Historical Naphthalene Concentrations in Select Wells

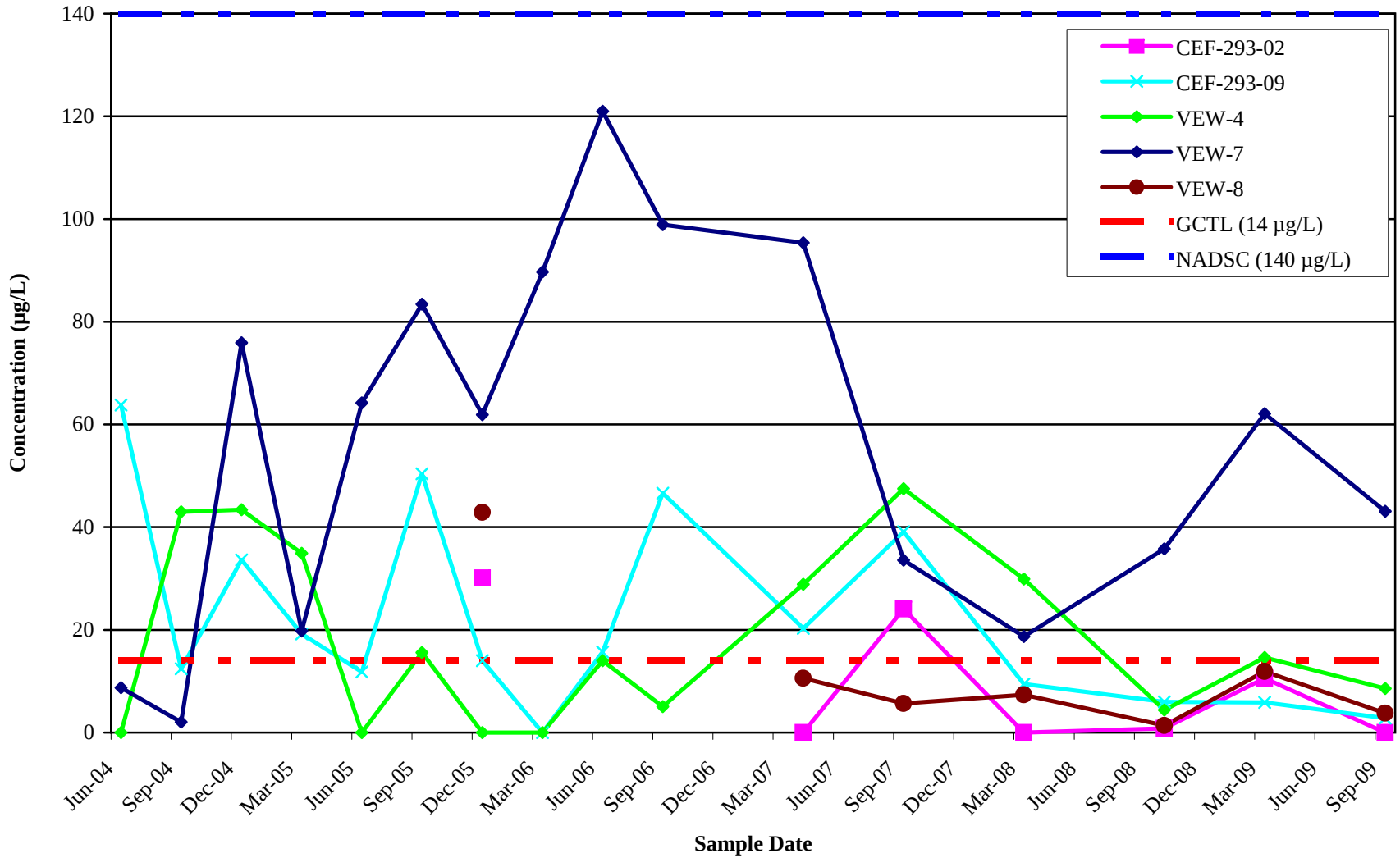
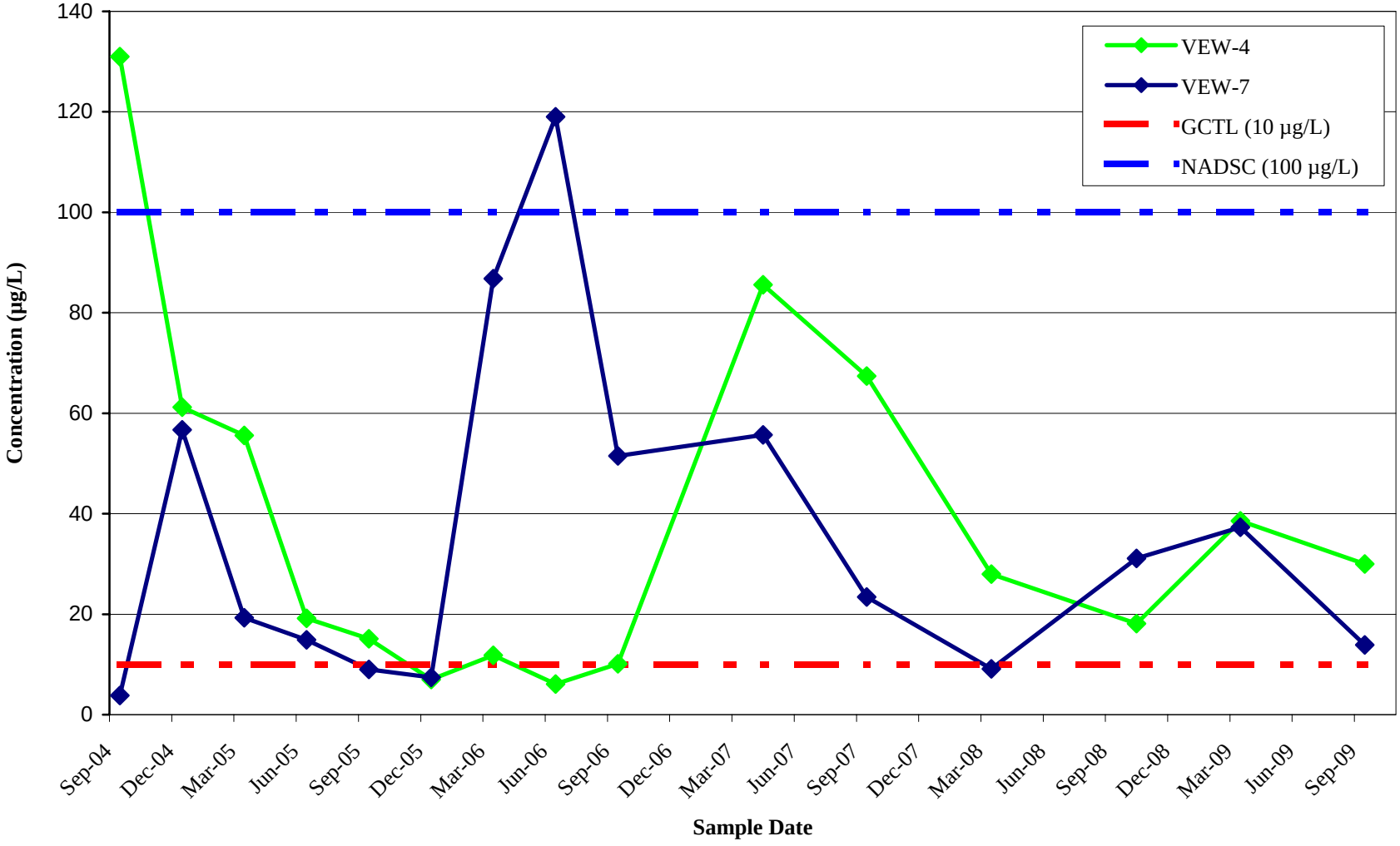


FIGURE 7
Historical 1,2,4-Trimethylbenzene Concentrations in Select Wells



TABLES

TABLE 1
GROUNDWATER ELEVATIONS

Day Tank 1
NAS Cecil Field
Jacksonville, Florida

Well ID	Date Measured	Top of Casing Elevation (ft amsl)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
CEF-293-02	4/18/2007	NA	10.25	NA
	6/20/2007		9.72	NA
	9/12/2007		9.37	NA
	3/5/2008		8.44	NA
	10/11/2008	75.57	7.75	67.82
	3/4/2009		8.97	66.60
	9/15/2009		7.38	68.19
CEF-293-09	4/18/2007	77.36	11.13	66.23
	6/20/2007		NM	NM
	9/12/2007		10.28	67.08
	3/5/2008		9.35	68.01
	10/11/2008	76.55	8.67	67.88
	3/4/2009		9.85	66.70
	9/15/2009		8.26	68.29
CEF-293-13	4/19/2007	75.97	9.53	66.44
	6/20/2007		8.99	66.98
	9/13/2007		8.64	67.33
	3/5/2008		7.80	68.17
	10/11/2008	74.51	7.19	67.32
	3/4/2009		8.29	66.22
	9/15/2009		6.78	67.73
CEF-293-22	4/18/2007	75.95	9.36	66.59
	6/20/2007		8.85	67.10
	9/12/2007		8.54	67.41
	3/5/2008		7.68	68.27
	10/11/2008	74.48	7.06	67.42
	3/4/2009		8.16	66.32
	9/15/2009		6.66	67.82
VEW-1	4/18/2007	NA	8.94	NA
	6/20/2007		8.39	NA
	9/12/2007		8.10	NA
	3/5/2008		7.17	NA
	10/11/2008	74.25	6.53	67.72
	3/4/2009		7.69	66.56
	9/15/2009		6.12	68.13
VEW-2	4/18/2007	75.86	9.11	66.75
	6/20/2007		8.59	67.27
	9/12/2007		8.24	67.62
	3/5/2008		7.33	68.53
	10/11/2008	74.38	6.88	67.50
	3/4/2009		7.86	66.52
	9/15/2009		6.29	68.09

TABLE 1
GROUNDWATER ELEVATIONS

Day Tank 1
NAS Cecil Field
Jacksonville, Florida

Well ID	Date Measured	Top of Casing Elevation (ft amsl)	Depth to Groundwater (ft btoc)	Groundwater Elevation (ft amsl)
VEW-3	4/16/2007	75.28	8.61	66.67
	6/20/2007		8.09	67.19
	9/13/2007		7.73	67.55
	3/5/2008		6.83	68.45
	10/11/2008	73.74	6.14	67.60
	3/4/2009		7.32	66.42
	9/15/2009		5.78	67.96
VEW-4	4/18/2007	75.54	8.90	66.64
	6/20/2007		8.40	67.14
	9/12/2007		8.03	67.51
	3/5/2008		7.18	68.36
	10/11/2008	74.07	6.52	67.55
	3/4/2009		7.66	66.41
	9/15/2009		6.15	67.92
VEW-5	4/19/2007	74.63	7.80	66.83
	6/20/2007		7.27	67.36
	9/13/2007		6.93	67.70
	3/5/2008		6.08	68.55
	10/11/2008	72.84	5.42	67.42
	3/4/2009		6.53	66.31
	9/15/2009		5.02	67.82
VEW-6	4/19/2007	74.31	8.80	65.51
	6/20/2007		7.26	67.05
	9/13/2007		6.92	67.39
	3/5/2008		6.08	68.23
	10/11/2008	72.84	5.44	67.40
	3/4/2009		6.55	66.29
	9/15/2009		5.06	67.78
VEW-7	4/18/2007	76.44	9.67	66.77
	6/20/2007		9.07	67.37
	9/12/2007		8.71	67.73
	3/5/2008		7.80	68.64
	10/11/2008	74.94	7.12	67.82
	3/4/2009		8.33	66.61
	9/15/2009		6.72	68.22
VEW-8	4/18/2007	76.43	9.55	66.88
	6/20/2007		8.98	67.45
	9/12/2007		8.65	67.78
	3/5/2008		7.74	68.69
	10/11/2008	74.92	7.08	67.84
	3/4/2009		8.26	66.66
	9/15/2009		6.68	68.24

NOTES:
Data collected prior to 2007 are provided in previous reports
ft amsl - feet above mean sea level
ft btoc - feet below top of casing
NM - not measured
NA - not available

TABLE 2
FIELD PARAMETERS

Day Tank 1
NAS Cecil Field
Jacksonville, Florida

Well ID	Sample Date	pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Temperature (°C)
CEF-293-02	4/18/2007	4.40	155	--	0.24	-65.0	22.25
	9/12/2007	5.19	170	--	0.40	-78.9	27.46
	3/6/2008	5.06	173	179	0.50	-38.3	20.78
	10/11/2008	3.35	102	421	0.70	21.7	25.45
	3/4/2009	5.23	113	144	0.20	9.8	18.67
	9/15/2009	5.02	138	129	1.0	-95.6	26.19
CEF-293-09	4/18/2007	5.50	234	--	0.56	-160.9	22.48
	9/12/2007	5.50	270	--	1.26	-86.2	28.55
	3/6/2008	5.60	275	78.4	0.95	-95.0	22.54
	10/11/2008	5.60	224	21.2	0.12	-148.4	27.77
	3/4/2009	5.46	186	7.9	0.20	-8.4	19.50
	9/15/2009	5.27	245	24.2	2.0	-140.1	27.91
CEF-293-13	4/19/2007	4.67	190	--	0.69	33.3	21.04
	9/13/2007	5.29	165	--	0.83	42.9	27.82
	3/5/2008	4.91	137	3.06	0.79	-41.6	21.24
	10/11/2008	3.04	181	0.59	1.82	16.7	27.00
	3/4/2009	5.16	158	4	0.80	56.4	18.51
	9/15/2009	8.91	176	3.5	0.8	254.3	28.51
CEF-293-22	4/18/2007	4.72	166	--	0.37	-17.9	23.62
	9/12/2007	5.11	305	--	0.77	-32.2	30.23
	3/5/2008	5.50	236	11.87	1.49	34.9	22.00
	10/11/2008	4.93	399	10	1.04	84.3	28.20
	3/4/2009	5.61	305	14.8	1.00	124.6	21.31
	9/15/2009	5.66	345	10.4	0.6	35.3	28.34
VEW-1	4/18/2007	5.38	177	--	0.62	-129.3	21.67
	9/12/2007	5.46	191	--	0.87	-28.1	26.65
	3/5/2008	5.91	77	37.2	0.58	-52.1	21.11
	10/11/2008	5.99	238	14.1	0.43	-137.5	25.99
	3/4/2009	5.83	147	19.6	0.10	128.2	20.15
	9/15/2009	5.98	209	14.3	0.2	-83.0	27.20
VEW-2	4/18/2007	5.14	283	--	0.19	-85.4	22.76
	9/12/2007	5.59	317	--	0.69	-84.3	26.42
	3/5/2008	6.31	374	3.89	0.41	-203.4	21.57
	10/11/2008	5.85	450	69.6	1.55	55.2	25.03
	3/4/2009	6.22	372	11.3	0.20	0.2	20.23
	9/15/2009	6.37	510	8.8	0.2	-124.0	26.30
VEW-3	4/19/2007	5.10	205	--	0.58	-125.1	22.90
	6/20/2007	5.05	154	--	0.83	-106.7	26.19
	9/12/2007	5.14	136	--	0.82	10.1	28.25
	3/5/2008	5.04	132	2.02	0.44	-85.7	23.38
	10/11/2008	3.80	185	1.1	2.94	2.3	28.06
	3/4/2009	5.09	155	0.9	0.20	9.3	21.59
	9/15/2009	7.56	229	2.38	1.0	820.1	28.35
VEW-4	4/18/2007	4.54	142	--	0.62	0.7	23.88
	9/12/2007	4.45	130	--	0.75	-32.1	29.15
	3/5/2008	4.76	123	5.17	0.68	-82.6	22.61
	10/11/2008	4.65	226	4.98	0.59	-27.9	28.47
	3/4/2009	5.01	146	1.98	0.3	128.0	21.34
	9/15/2009	5.00	230	3.40	0.3	-32.1	27.78
VEW-5	4/18/2007	4.94	266	--	0.78	140.1	22.21
	9/13/2007	4.80	343	--	0.46	116.4	28.79
	3/5/2008	4.68	237	2.9	0.32	-24.9	21.08
	10/11/2008	5.15	273	2.32	0.37	-122.2	28.79
	3/4/2009	4.25	339	2.26	0.1	102.0	20.34
	9/15/2009	7.64	230	2.35	0.9	929.7	28.05
VEW-6	4/19/2007	4.99	255	--	0.44	79.6	22.37
	9/13/2007	5.61	219	--	0.58	136.9	29.71
	3/5/2008	5.36	196	1.99	0.34	-22.4	22.89
	10/11/2008	4.64	202	5.24	1.81	77.2	27.09
	3/4/2009	5.85	276	6.82	0.4	61.2	19.06
	9/15/2009	5.53	204	7.01	1.0	148.5	28.01

TABLE 2
FIELD PARAMETERS

Day Tank 1
NAS Cecil Field
Jacksonville, Florida

Well ID	Sample Date	pH (SU)	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Temperature (^{o}C)
VEW-7	4/18/2007	4.72	223	--	0.24	-57.7	22.12
	9/12/2007	5.30	223	--	0.54	-66.3	26.00
	3/5/2008	5.24	139	68.8	0.22	-85.2	21.81
	10/11/2008	2.94	145	167	0.70	12.0	26.28
	3/4/2009	5.39	174	43.4	0.59 *	74.1	18.46
	9/15/2009	5.11	163	54.1	1.0	-97.9	25.87
VEW-8	4/18/2007	5.84	350	--	0.43	-199.1	23.10
	9/12/2007	5.72	310	--	0.29	-115.3	27.51
	3/5/2008	5.36	126	49.5	0.60	-131.7	21.73
	10/11/2008	5.02	145	24.8	0.56	-42.7	26.37
	3/4/2009	5.76	250	72.5	0.2	-103.0	18.59
	9/15/2009	5.31	216	67.1	1.0	-140.2	26.36

NOTES:
Data collected prior to 2007 are provided in previous reports
SU - Standard units
µS/cm - Microsiemens per centimeter
NTU - Nephelometric turbidity units
mg/L - Milligrams per liter
mV - Millivolts
^{o}C - Degrees celsius
NM - not measured
* - DO readings from field meter, not Chemetrics Kits
-- - No data available

TABLE 3
LABORATORY ANALYTICAL RESULTS

Day Tank 1
NAS Cecil Field
Jacksonville, Florida

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (µg/L)							POLYCYCLIC AROMATIC HYDROCARBONS (µg/L)		
		Benzene	Ethylbenzene	Toluene	Xylenes (total)	Isopropylbenzene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Naphthalene by Method 8270C-SIM	1-Methylnapthalene	2-Methylnapthalene
GCTL (µg/L)		1	30	40	20	0.8	10	10	14	28	28
NADSC (µg/L)		100	300	400	200	8	100	100	140	280	280
CEF-293-02	12/8/2005	ND	1.83 I	ND	2.89	2.06	8.72	2.83	30.1	ND	ND
	4/18/2007	0.320 I	1.04	ND	ND	2.49	ND	ND	ND	4.01 I	5.93
	9/12/2007	ND	0.720 I	ND	ND	2.09	2.93	0.430 I	24.1	6.87	10.2
	3/5/2008	<0.305	<0.338	<0.257	<0.433	<0.365	<0.516	<0.416	<0.100	<0.133	<0.203
	10/11/2008	<0.40	<0.43	<0.35	<0.78	1.2	4.4	1.0 I	0.81 I	0.34 I	0.75 I
	3/4/2009	<0.40	1.7	<0.35	2.35	2.2	11.9	3.5	10.6	3.4	4.8
	9/15/2009	<0.40	<0.43	<0.35	<0.78	0.23 I	0.43 I	<0.20	<0.24	<0.24	<0.24
CEF-293-09	1/25/2000	43.1	602	826	2150	--	--	--	378	128	182
	12/9/2003	ND	ND	ND	ND	--	--	--	ND	ND	ND
	6/6/2003	3.8	4.3	ND	20.2	5.8	ND	ND	3.9	ND	ND
	9/2/2003	ND	ND	ND	ND	ND	ND	ND	0.36	0.20	ND
	12/12/2003	2.9	5.8	ND	3.5	11.8	2.3	ND	47.5	19.4	18.4
	3/17/2004	2.3	5.7	ND	ND	7.9	ND	ND	136	47.1	50.4
	6/9/2004	ND	6.96	ND	1.54	12.2	6.93	2.98	63.8	24.6	22.4
	9/20/2004	ND	1.25	ND	ND	3.6	3.75	3.06	12.4	3.8	4.5
	12/2/2004	ND	7.180	ND	3.25	12.51	26.34	7.77	33.64	16.1 J	22.7 J
	3/11/2005	ND	6.060	ND	1.46 I	17.4	30.7	6.50	19.2	7.48	12.2
	6/8/2005	ND	17.8	ND	21.7	17.5	36.4	13.80	11.8	7.21	12.1
	9/8/2005	ND	41.1	1.18 I	47.4	18.9	70.9	31.80	50.4	26.9	43.3
	12/8/2005	ND	4.89	ND	ND	10.5	25.1	11.4	14.0	ND	9.24
	3/28/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/8/2006	ND	4.55	ND	ND	6.3	12.4	2.29	15.7	6.35	14.3
	9/24/2006	ND	20.8	0.790 I	31.0	12.4	50.3	19.7	46.6	20.90	33.0
	4/18/2007	ND	14.4	0.310 I	44.8	11.0	38.1	11.4	20.3	7.60	16.1
	9/12/2007	ND	13.3	ND	18.6	7.9	30.6	8.41	39.1	13.50	28.8
	3/5/2008	<0.305	<0.338	<0.257	<0.433	2.66	<0.516	<0.416	9.48	5.23	16.4
	10/11/2008	<0.40	<0.43	<0.35	<0.78	1.7	0.76 I	0.21 I	6.0	6.3	13.0
	3/4/2009	<0.40	<0.43	<0.35	<0.75	2.3	1.9 I	0.79 I	5.9	7.9	15.3
	9/15/2009	<0.40	<0.43	<0.35	<0.78	1.4	0.68 I	<0.20	2.8	4.6	8.6
CEF-293-13	12/8/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/19/2007	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND
	9/12/2007	ND	ND	ND	ND	7.30	ND	ND	ND	ND	ND
	3/5/2008	<0.305	<0.338	<0.257	<0.433	2.24	<0.516	<0.416	<0.100	<0.133	<0.203
	10/11/2008	<0.40	<0.43	<0.35	<0.78	0.28 I	<0.22	<0.20	<0.24	<0.24	<0.24
	3/4/2009	<0.40	<0.43	<0.35	<0.78	<0.20	<0.22	<0.20	<0.24	<0.24	<0.24
	9/15/2009	<0.40	<0.43	<0.35	<0.78	<0.20	<0.22	<0.20	<0.24	<0.24	<0.24
CEF 293-22	1/25/2000	24.2	19.4	0.88	47.8	--	--	--	142	59.6	67
	3/11/2003	ND	ND	ND	ND	--	--	--	ND	ND	2.4
	6/9/2003	ND	ND	ND	ND	ND	ND	ND	0.64	4.97	3.76
	9/2/2003	ND	ND	ND	ND	ND	ND	ND	ND	1.34	0.96
	12/12/2003	ND	ND	ND	ND	ND	ND	ND	ND	1.07	0.88
	3/17/2004	ND	ND	ND	ND	ND	ND	ND	ND	1.35	1.20
	6/9/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.780 I
	9/20/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/2/2004	3.67	ND	ND	1.80 I	ND	ND	ND	ND	ND	ND
	3/11/2005	3.59	1.56 I	ND	3.73	2.09	3.56	1.44 I	ND	ND	ND
	6/8/2005	2.74	1.66 I	ND	5.89	4.86	11.7	4.36	ND	ND	ND
	9/8/2005	ND	ND	ND	ND	1.12 I	1.80 I	1.09 I	1.13 I	ND	ND
	12/8/2005	ND	ND	ND	ND	0.360 I	0.830 I	0.470 I	1.13 I	ND	ND
	3/28/2006	ND	ND	ND	ND	0.240 I	0.640 I	0.420 I	ND	0.300 I	0.210 I
	6/8/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/24/2006	ND	ND	ND	ND	ND	ND	ND	ND	0.370 I	ND
	4/18/2007	ND	ND	ND	ND	ND	ND	ND	1.97	5.34	4.60 I
	9/12/2007	ND	ND	ND	ND	ND	ND	ND	ND	1.38 I	1.07 I
	3/5/2008	<0.305	1.13	<0.257	0.940 I	<0.365	1.01	<0.416	<0.100	<0.133	<0.203
	10/11/2008	<0.40	<0.43	<0.34	<0.78	0.54 I	0.30 I	<0.20	<0.24	<0.24	<0.24
	3/4/2009	<0.40	<0.43	<0.35	<0.78	0.67 I	5.1	<0.20	0.44 I	<0.24	<0.24
	9/15/2009	<0.40	<0.43	<0.35	<0.78	<0.20	<0.22	<0.20	<0.24	<0.24	<0.24
VEW-1	1/25/2000	18.5	257	59.4	726	--	--	--	350	220	307
	12/2/2004	ND	18.17	0.9700 I	39.7	4.7	32.06	5.13	ND	ND	ND
	3/11/2005	ND	11.8	0.450 I	26.0	4.86	39	3.67	12.4	ND	ND
	6/8/2005	ND	28.4	1.29 I	83.1	12.0	94.1	19.5	ND	ND	ND
	9/8/2005	ND	0.410 I	ND	0.510 I	ND	0.430 I	ND	ND	ND	ND
	12/8/2005	ND	19.5	0.460 I	16.1	8.11	57.2	4.57	18.2	16.2	6.02
	3/28/2006	ND	16.9	0.610 I	30.6	10.9	83.2	14.2	23.0	29.4	28.5
	6/8/2006	ND	10.5	0.290 I	19.0	8.17	54.2	8.17	12.5	12.9	13.6
	9/24/2006	ND	10.6	0.440 I	28.7	8.68	ND	20.8	18.0	20.1	17.7
	4/18/2007	ND	4.60	ND	5.06	7.35	44.4	3.85	15.4	33.1	24.0
	9/12/2007	ND	1.60	ND	1.33	1.97	17.1	ND	ND	0.830 I	ND
	3/5/2008	<0.305	0.740 I	<0.257	<0.433	1.11	5.01	<0.416	<0.100	<0.133	<0.203
	10/11/2008	<0.40	2.70	<0.35	2.70	3.3	13.8	<0.20	0.90 I	0.73 I	0.41 I
	3/4/2009	<0.40	1.10	<0.35	<0.78	2.1	7.6	0.29 I	0.50 I	0.71 I	0.35 I
	9/15/2009	<0.40	0.59 I	<0.35	<0.78	0.73 I	0.41 I	<0.20	<0.24	<0.24	<0.24

TABLE 3
LABORATORY ANALYTICAL RESULTS

Day Tank 1
NAS Cecil Field
Jacksonville, Florida

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (µg/L)							POLYCYCLIC AROMATIC HYDROCARBONS (µg/L)		
		Benzene	Ethylbenzene	Toluene	Xylenes (total)	Isopropylbenzene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Naphthalene by Method 8270C-SIM	1-Methylnapthalene	2-Methylnapthalene
GCTL (µg/L)		1	30	40	20	0.8	10	10	14	28	28
NADSC (µg/L)		100	300	400	200	8	100	100	140	280	280
VEW-2	1/25/2000	91.6	149	29.2	573	--	--	--	283	118	139
	3/11/2003	ND	ND	ND	ND	--	--	--	ND	ND	ND
	6/7/2003	ND	ND	ND	ND	ND	2.3	6.00	ND	1.06	0.42
	9/4/2003	ND	ND	ND	ND	ND	ND	3.90	ND	1.4	0.54
	12/12/2003	ND	ND	ND	3.7	3.2	2.2	1.60	ND	0.18	ND
	3/17/2004	ND	ND	ND	ND	ND	2.0	ND	0.58	1.27	1.09
	6/9/2004	ND	ND	ND	ND	ND	2.23	1.33	0.284 I	ND	0.396 I
	9/20/2004	ND	ND	ND	2.45	ND	5.95	1.63	ND	ND	ND
	12/2/2004	ND	1.310 I	ND	3.85	1.690 I	16.56	1.70 I	1.16 I	3.18 J3 I	2.05 J
	3/11/2005	ND	0.930 I	ND	1.25 I	1.48 I	13.30	ND	0.557 I	1.29 I	1.15 I
	6/8/2005	ND	0.560 I	ND	0.460 I	1.16 I	11.70	0.750 I	ND	ND	ND
	9/8/2005	ND	0.560 I	ND	1.23 I	1.53 I	16.90	3.5	1.52 I	4.23 I	4.40 I
	12/8/2005	ND	0.480 I	ND	0.650 I	1.88 I	14.1	3.06	ND	6.80	7.42
	3/28/2006	ND	0.340 I	ND	0.340 I	1.52	7.82	1.88	ND	6.36	7.02
	6/8/2006	1.16	0.340 I	ND	ND	ND	10.0	0.980 I	ND	7.59	8.35
	9/24/2006	1.34	1.98	ND	ND	4.37	6.9	ND	0.510 I	7.79	8.17
	4/18/2007	0.860 I	5.94	ND	ND	11.4	4.35	ND	ND	ND	ND
	9/12/2007	ND	ND	ND	ND	2.46	6.79	0.700 I	6.43	3.88 I	6.54
	3/5/2008	<0.305	<0.338	<0.257	<0.433	1.45	2.59	<0.416	0.450 I	2.87 I	4.65 I
	10/11/2008	<0.40	0.63 I	<0.35	<0.78	3.1	<0.22	<0.20	3.3	0.47 I	0.90 I
	3/4/2009	<0.40	0.61 I	<0.35	<0.78	1.3	<0.22	<0.20	1.5	0.55 I	1.8
	9/15/2009	<0.40	<0.43	<0.35	<0.78	0.40 I	<0.22	<0.20	<0.24	<0.24	0.65 I
VEW-3	1/25/2000	24.4	85.6	11.5	128	--	--	--	220	78	102
	3/11/2003	ND	ND	ND	1.2	--	--	--	ND	ND	ND
	6/6/2003	ND	ND	ND	4.9	ND	ND	ND	ND	ND	ND
	9/2/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/12/2003	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND
	3/17/2004	ND	ND	ND	ND	3.8	ND	ND	1.87	2.27	1.46
	6/9/2004	ND	ND	ND	2.32	17.5	ND	2.18	2.02 I	3.01	1.18 I
	9/20/2004	ND	ND	ND	ND	19	12	13	5.29, J	2.86, J	2.88 J
	12/2/2004	ND	ND	ND	ND	1.580 I	2.130 I	0.4900 I	1.09 I	7.88 J	7.05 J
	3/11/2005	ND	ND	ND	ND	1.25 I	1.44 I	ND	ND	8.39	8.98
	6/8/2005	ND	ND	ND	ND	0.480 I	0.590 I	0.430 I	ND	1.08 I	ND
	9/8/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/8/2005	ND	0.460 I	ND	ND	0.820 I	1.33 I	ND	ND	ND	ND
	3/28/2006	0.260 I	0.800 I	ND	0.380 I	2.24	3.45	1.50	ND	3.20 I	2.53 I
	6/8/2006	ND	0.510 I	ND	ND	1.53	2.25	0.700 I	ND	4.55 I	4.25 I
	9/24/2006	0.700 I	2.02	ND	0.610 I	2.80	9.49	2.90	0.800 I	1.23 I	0.870 I
	4/19/2007	0.530 I	3.29	ND	1.21	3.93	23.3	7.98	2.44 I	5.01	6.49
	6/20/2007	0.650 I	4.10	ND	0.640 I	3.09	17.6	3.56	2.99 I	5.49	7.57
	9/13/2007	ND	1.61	ND	ND	1.10	6.85	1.23	ND	1.33 I	1.13 I
	3/5/2008	0.400 I	1.68	<0.257	1.39	2.99	9.70	1.68	1.30 I	3.79 I	4.91 I
	10/11/2008	<0.40	2.0	<0.35	2.89 I	2.5	9.8	4.6	0.52 I	1.8	1.7
	3/4/2009	<0.40	2.7	<0.35	1.63 I	3.3	22.5	9.9	3.1	4.2	5.2
	9/15/2009	<0.40	1.8	<0.35	0.43 I	2.2	8.8	4.6	2.9	3.3	3.5
VEW-4	1/25/2000	81	138	7.8	288	--	--	--	232	88.7	108
	3/11/2003	ND	ND	ND	ND	--	--	--	ND	ND	ND
	6/7/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/2/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/12/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/17/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/9/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/20/2004	8.18	41	ND	133	20.4	131	49.8	43.0 J	7.00 J	6.91 J
	12/2/2004	1.50 I	23.39	ND	16.2	10.49	61.23	22.41	43.39	11.3 J	11.0 J
	3/11/2005	2.31	18.40	ND	14.3	11.6	55.6	28.6	34.9	10.2	10.2
	6/8/2005	1.38 I	15.3	ND	15.5	15.1	19.2	29.8	ND	10.1	7.42
	9/8/2005	0.670 I	13.3	ND	18.2	11.2	15.1	19.2	15.6	9.9	6.02
	12/8/2005	0.920 I	1.39 I	ND	31.0	6.76	7.00	ND	ND	ND	ND
	3/28/2006	0.480 I	2.83	ND	25.1	6.79	11.80	4.81	ND	ND	ND
	6/8/2006	0.770 I	1.03	ND	27.0	7.65	6.12	2.05	14.0	4.16 I	2.87 I
	9/24/2006	ND	3.93	ND	9.22	6.48	10.10	3.55	5.1	2.00 I	1.00 I
	4/18/2007	ND	27.9	ND	4.60	12.8	85.6	7.39	28.9	10.5	12.5
	9/12/2007	ND	10.2	ND	10.20	10.0	67.4	6.29	47.5	14.5	18.2
	3/5/2008	<0.305	6.93	<0.257	12.3	4.74	28.0	8.90	29.9	10.6	12.8
	10/11/2008	<0.40	5.0	<0.35	8.4	4.8	18.1	5.4	4.4	2.1	2.2
	3/4/2009	<0.40	8.4	<0.35	4.9	5.9	38.6	3.7	14.6	4.7	4.8
	9/15/2009	<0.40	4.3	<0.35	3.6	5.8	30.0	3.3	8.6	3.1	3.1

TABLE 3
LABORATORY ANALYTICAL RESULTS

Day Tank 1
NAS Cecil Field
Jacksonville, Florida

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (µg/L)							POLYCYCLIC AROMATIC HYDROCARBONS (µg/L)		
		Benzene	Ethylbenzene	Toluene	Xylenes (total)	Isopropylbenzene	1,2,4 Trimethylbenzene	1,3,5 Trimethylbenzene	Naphthalene by Method 8270C-SIM	1-Methylnapthalene	2-Methylnapthalene
GCTL (µg/L)		1	30	40	20	0.8	10	10	14	28	28
NADSC (µg/L)		100	300	400	200	8	100	100	140	280	280
VEW-5	1/25/2000	118	72.5	11.3	110	--	--	--	194	59.8	86.1
	3/11/2003	ND	ND	ND	ND	--	--	--	ND	ND	ND
	6/6/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/2/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/12/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/17/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/9/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/20/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/2/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/11/2005	ND	ND	ND	ND	ND	ND	ND	34.6	10.0	10.3
	6/8/2005	ND	ND	ND	ND	ND	0.290 I	0.370 I	ND	ND	ND
	9/8/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/8/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/28/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/8/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/24/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/19/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/13/2007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/2008	<0.305	<0.338	<0.257	<0.433	<0.365	<0.516	<0.416	<0.100	<0.133	<0.203
	10/11/2008	<0.40	<0.43	<0.35	1.6	6.1	5.5	2.7	8.1	<0.24	<0.24
	3/4/2009	<0.40	<0.43	<0.35	<0.78	<0.20	<0.22	<0.20	<0.24	<0.24	<0.24
	9/15/2009	<0.40	<0.43	<0.35	<0.78	<0.20	<0.22	<0.20	<0.25	<0.25	<0.25
VEW-6	12/8/2005	ND	ND	ND	ND	0.480 I	ND	ND	ND	ND	ND
	4/19/2007	ND	ND	ND	ND	3.86	ND	ND	0.930 I	ND	ND
	9/13/2007	ND	ND	ND	ND	5.28	ND	ND	ND	ND	ND
	3/5/2008	<0.305	<0.338	<0.257	1.28	3.97	0.780 I	0.630 I	0.380 I	<0.133	<0.203
	10/11/2008	<0.40	<0.43	<0.35	<0.78	<0.20	31.1	5.8	<0.24	<0.24	<0.24
	3/4/2009	<0.40	<0.43	<0.35	<0.78	1.3	1.1 I	0.61 I	2.6	<0.24	<0.24
	9/15/2009	<0.40	<0.43	<0.35	<0.78	1.8	0.72 I	0.50 I	2.5	<0.25	<0.25
VEW-7	1/25/2000	48	213	97.8	459	--	--	--	481	172	210
	3/11/2003	ND	ND	ND	ND	--	--	--	ND	ND	ND
	6/7/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/2/2003	ND	ND	ND	ND	ND	ND	ND	ND	0.13	ND
	12/12/2003	ND	ND	ND	3.4	3.2	ND	ND	ND	ND	ND
	3/17/2004	2.2	1.2	ND	7.7	1	5.7	ND	4.09	0.22	0.2
	6/9/2004	8.78	3.28	ND	2.20	2.70	ND	2.63	8.74	ND	0.641 I
	9/20/2004	4.2	5.55	ND	ND	5.17	3.81	7.51	2.06 J	ND	0.214 J
	12/2/2004	4.95	21.0	ND	5.79	12.05	56.72	12.02	75.9	11.4 J	7.11 J
	3/11/2005	3.70	14.5	ND	ND	11.8	19.3	0.470 I	19.8	7.34	3.19 I
	6/8/2005	4.58	15.0	ND	ND	12.3	14.9	ND	64.2	25.6	18.1
	9/8/2005	2.40	14.7	ND	ND	12.0	9.01	0.710 I	83.4	38.1	29.6
	12/8/2005	2.05	10.3	ND	1.45 I	5.91	7.43	2.19	61.9	21.9	20.8
	3/28/2006	3.07	29.6	0.390 I	22.5	13.7	86.8	16.2	89.7	34.2	37.7
	6/8/2006	1.73	23.2	ND	5.26	12.7	119	20.2	121.0	43.7	47.2
	9/24/2006	2.76	18.5	0.330 I	8.87	10.5	51.5	19.6	98.9	27.8	35.8
	4/18/2007	2.37	16.4	0.270 I	19.3	13.0	55.7	22.3	95.4	42.2	53.7
	9/12/2007	0.930 I	4.22	ND	3.67	7.07	23.4	10.2	33.6	10.4	14.4
	3/5/2008	0.410 I	2.52	<0.257	3.84	3.34	9.13	1.35	18.7	8.42	9.70
	10/11/2008	0.82 I	7.9	<0.35	12.8	5.7	31.1	5.8	35.8	18.2	23.3
	3/4/2009	1.5	13.8	0.71	24.5	7.5	37.3	7.6	62.1	30.6	41.8
	9/15/2009	0.51 I	5.1	<0.35	4.3	3.3	13.9	3.3	43.1	16.6	22.1
VEW-8	12/8/2005	ND	5.34	0.300 I	4.03	18.1	76.4	27.2	42.9	ND	ND
	4/18/2007	ND	7.75	ND	1.81	10.5	11.8	2.16	10.6	10.0	10.0
	9/12/2007	ND	1.44	ND	0.450 I	3.26	1.40	1.03	5.65	6.47	6.41
	3/5/2008	<0.305	0.84	<0.257	<0.433	2.06	0.680 I	0.570 I	7.35	5.43	7.22
	10/11/2008	<0.40	1.10	<0.35	<0.78	1.50	0.77 I	0.26 I	1.4	1.3	1.6
	3/4/2009	<0.40	2.3	<0.35	0.4	5.40	1.6 I	0.40 I	11.9	10.4	13.7
	9/15/2009	<0.40	5.3	<0.35	2.3	10.7	2.9	0.83 I	3.8	4.5	5.7

NOTES:
µg/L - Micrograms per liter
GCTL - Groundwater Cleanup Target Level
NADSC - Natural Attenuation Default Source Concentration
Bold indicates values above the method detection limit
Shading indicates: Exceeds the GCTL
Exceeds both the GCTL and NADSC
ND - Not detected above the laboratory reporting limit, limit not available
-- - No data available
J and I - Estimated concentration between the laboratory method detection limit and reporting limit
V - Analyte detected in associated method blank, suspected lab contaminant

APPENDIX A

LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY FORMS

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/29/09

Technical Report for

Solutions-IES, Inc

Cecil Field -Day Tank 1; Jacksonville, FL

8030.08A2.NACF

Accutest Job Number: F68028

Sampling Date: 09/15/09

Report to:

Solutions-IES, Inc
1101 Nowell Rd
Raleigh, NC 27606
keenerj@solutions-ies.com

ATTN: Jessica Keener

Total number of pages in report: **84**

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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Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: F68028-1: CEF-293-VEW07 6
3.2: F68028-2: CEF-293-09 10
3.3: F68028-3: CEF-293-02 14
3.4: F68028-4: CEF-293-VEW08 18
3.5: F68028-5: CEF-293-VEW04 22
3.6: F68028-6: CEF-293-VEW01 26
3.7: F68028-7: CEF-293-22 30
3.8: F68028-8: CEF-293-VEW02 34
3.9: F68028-9: CEF-293-13 38
3.10: F68028-10: CEF-293-VEW03 42
3.11: F68028-11: CEF-293-VEW05 46
3.12: F68028-12: CEF-293-VEW06 50
3.13: F68028-13: TRIP BLANK 54
Section 4: Misc. Forms **57**
4.1: Chain of Custody 58
Section 5: GC/MS Volatiles - QC Data Summaries **61**
5.1: Method Blank Summary 62
5.2: Blank Spike Summary 68
5.3: Matrix Spike/Matrix Spike Duplicate Summary 74
Section 6: GC/MS Semi-volatiles - QC Data Summaries **80**
6.1: Method Blank Summary 81
6.2: Blank Spike Summary 83
6.3: Matrix Spike/Matrix Spike Duplicate Summary 84

Accutest Laboratories

Sample Summary

Solutions-IES, Inc

Job No: F68028

Cecil Field -Day Tank 1; Jacksonville, FL
Project No: 8030.08A2.NACF

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F68028-1	09/15/09	15:28	BC	09/17/09	AQ	Ground Water	CEF-293-VEW07
F68028-2	09/15/09	17:00	BC	09/17/09	AQ	Ground Water	CEF-293-09
F68028-3	09/15/09	14:49	BC	09/17/09	AQ	Ground Water	CEF-293-02
F68028-4	09/15/09	16:20	BC	09/17/09	AQ	Ground Water	CEF-293-VEW08
F68028-5	09/15/09	16:29	BC	09/17/09	AQ	Ground Water	CEF-293-VEW04
F68028-6	09/15/09	14:51	BC	09/17/09	AQ	Ground Water	CEF-293-VEW01
F68028-7	09/15/09	17:12	BC	09/17/09	AQ	Ground Water	CEF-293-22
F68028-8	09/15/09	15:41	BC	09/17/09	AQ	Ground Water	CEF-293-VEW02
F68028-9	09/15/09	14:36	BC	09/17/09	AQ	Ground Water	CEF-293-13
F68028-10	09/15/09	16:30	BC	09/17/09	AQ	Ground Water	CEF-293-VEW03
F68028-11	09/15/09	15:48	BC	09/17/09	AQ	Ground Water	CEF-293-VEW05
F68028-12	09/15/09	15:12	BC	09/17/09	AQ	Ground Water	CEF-293-VEW06
F68028-13	09/15/09	00:00	BC	09/17/09	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Solutions-IES, Inc **Job No:** F68028

Site: Cecil Field -Day Tank 1; Jacksonville, FL **Report Date** 9/28/2009 5:53:34 PM

12 Samples, 1 Trip Blank were collected on 09/15/2009 and received at Accutest on 09/17/2009 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F68028. 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:** VM1542

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F68028-6MS, F68028-6MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for trans-1,2-Dichloroethylene are outside control limits.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Methylene chloride, trans-1,2-Dichloroethylene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for cis-1,3-Dichloropropene, Methylene chloride are outside control limits for sample F68028-6MSD. Probable cause due to sample homogeneity.

Matrix: AQ **Batch ID:** VM1543

All samples were analyzed within the recommended method holding time.

Sample(s) F68062-5MS, F68062-5MSD 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 are outside control limits. Probable cause due to matrix interference.

RPD(s) for MSD for Acetone, Methylene chloride are outside control limits for sample F68062-5MSD. Probable cause due to sample homogeneity.

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix: AQ **Batch ID:** OP30296

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

Sample(s) F68028-12MS, F68028-12MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery(s) for 2-Methylnaphthalene, Acenaphthylene, Naphthalene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recovery(s) for 1-Methylnaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Fluorene, Naphthalene, Phenanthrene are outside control limits. Probable cause due to matrix interference.

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: September 28, 2009

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CEF-293-VEW07		
Lab Sample ID:	F68028-1	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037706.D	1	09/21/09	MM	n/a	n/a	VM1542
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	0.51	1.0	0.40	ug/l	I
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	1.7	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	3.0	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.39	1.0	0.32	ug/l	I
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-293-VEW07		
Lab Sample ID:	F68028-1	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	5.1	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	3.3	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	1.0	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	80.8	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	6.4	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	13.9	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	3.3	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	3.1	2.0	0.78	ug/l	
95-47-6	o-Xylene	1.2	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-293-VEW07		
Lab Sample ID:	F68028-1	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	114%		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-293-VEW07		
Lab Sample ID:	F68028-1	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047704.D	1	09/22/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	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	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.96	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	16.6	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	22.1	0.96	0.24	ug/l	
91-20-3	Naphthalene	43.1	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.96	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		42-108%
321-60-8	2-Fluorobiphenyl	47%		40-106%
1718-51-0	Terphenyl-d14	79%		39-121%

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-293-09		
Lab Sample ID:	F68028-2	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037738.D	1	09/22/09	MM	n/a	n/a	VM1543
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	0.69	1.0	0.28	ug/l	I
135-98-8	sec-Butylbenzene	1.2	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-293-09		
Lab Sample ID:	F68028-2	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	1.4	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	4.8	5.0	1.0	ug/l	I
103-65-1	n-Propylbenzene	1.6	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	0.68	2.0	0.22	ug/l	I
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-293-09		
Lab Sample ID:	F68028-2	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	101%		76-127%
2037-26-5	Toluene-D8	92%		86-112%
460-00-4	4-Bromofluorobenzene	112%		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-293-09		
Lab Sample ID:	F68028-2	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047705.D	1	09/22/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	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	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.96	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	4.6	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	8.6	0.96	0.24	ug/l	
91-20-3	Naphthalene	2.8	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.96	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		42-108%
321-60-8	2-Fluorobiphenyl	72%		40-106%
1718-51-0	Terphenyl-d14	78%		39-121%

U = Not detected MDL - Method Detection Limit
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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-293-02		
Lab Sample ID:	F68028-3	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037708.D	1	09/21/09	MM	n/a	n/a	VM1542
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	0.32	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	0.28 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-293-02		
Lab Sample ID:	F68028-3	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	0.23	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	0.38	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	0.43	2.0	0.22	ug/l	I
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-293-02		
Lab Sample ID:	F68028-3	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	102%		76-127%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	115%		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-293-02		
Lab Sample ID:	F68028-3	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047706.D	1	09/22/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	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	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.96	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.96	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		42-108%
321-60-8	2-Fluorobiphenyl	55%		40-106%
1718-51-0	Terphenyl-d14	72%		39-121%

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-293-VEW08		
Lab Sample ID:	F68028-4	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037709.D	1	09/21/09	MM	n/a	n/a	VM1542
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	1.0	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	4.0	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.72	1.0	0.32	ug/l	I
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	0.44	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-293-VEW08		
Lab Sample ID:	F68028-4	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	5.3	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	10.7	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.82	1.0	0.32	ug/l	I
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	5.0	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	14.8	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	11.4	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	2.9	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.83	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	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-293-VEW08		
Lab Sample ID:	F68028-4	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	94%		86-112%
460-00-4	4-Bromofluorobenzene	113%		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-293-VEW08		
Lab Sample ID:	F68028-4	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047707.D	1	09/22/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	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	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.96	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	4.5	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	5.7	0.96	0.24	ug/l	
91-20-3	Naphthalene	3.8	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.96	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	46%		42-108%
321-60-8	2-Fluorobiphenyl	40%		40-106%
1718-51-0	Terphenyl-d14	64%		39-121%

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-293-VEW04		
Lab Sample ID:	F68028-5	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037710.D	1	09/21/09	MM	n/a	n/a	VM1542
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	2.0	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	4.8	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.70	1.0	0.32	ug/l	I
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-293-VEW04		
Lab Sample ID:	F68028-5	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	4.3	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	5.8	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.64	1.0	0.32	ug/l	I
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	26.0	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	4.6	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	30.0	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	3.3	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	3.6	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-293-VEW04		
Lab Sample ID:	F68028-5	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	90%		86-112%
460-00-4	4-Bromofluorobenzene	116%		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-293-VEW04		
Lab Sample ID:	F68028-5	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047708.D	1	09/23/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.95	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.95	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.95	0.48	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	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.095 U	0.19	0.095	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.95	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.95	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	3.1	0.95	0.24	ug/l	
91-57-6	2-Methylnaphthalene	3.1	0.95	0.24	ug/l	
91-20-3	Naphthalene	8.6	0.95	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.95	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.95	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	63%		42-108%
321-60-8	2-Fluorobiphenyl	66%		40-106%
1718-51-0	Terphenyl-d14	90%		39-121%

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-293-VEW01		
Lab Sample ID:	F68028-6	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037711.D	1	09/21/09	MM	n/a	n/a	VM1542
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	0.35	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	0.28 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-293-VEW01		
Lab Sample ID:	F68028-6	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	0.59	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	0.73	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	0.80	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	0.41	2.0	0.22	ug/l	I
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-293-VEW01		
Lab Sample ID:	F68028-6	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	104%		76-127%
2037-26-5	Toluene-D8	94%		86-112%
460-00-4	4-Bromofluorobenzene	116%		84-120%

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-293-VEW01		
Lab Sample ID:	F68028-6	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047709.D	1	09/23/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	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	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.96	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.96	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	58%		42-108%
321-60-8	2-Fluorobiphenyl	53%		40-106%
1718-51-0	Terphenyl-d14	79%		39-121%

U = Not detected MDL - Method Detection Limit
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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-293-22		
Lab Sample ID:	F68028-7	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037712.D	1	09/21/09	MM	n/a	n/a	VM1542
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

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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-293-22		
Lab Sample ID:	F68028-7	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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-293-22		
Lab Sample ID:	F68028-7	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	104%		76-127%
2037-26-5	Toluene-D8	94%		86-112%
460-00-4	4-Bromofluorobenzene	113%		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-293-22		
Lab Sample ID:	F68028-7	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047710.D	1	09/23/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.95	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.95	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.95	0.48	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	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.095 U	0.19	0.095	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.95	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.95	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.95	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.95	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.95	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.95	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.95	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		42-108%
321-60-8	2-Fluorobiphenyl	66%		40-106%
1718-51-0	Terphenyl-d14	84%		39-121%

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-293-VEW02		
Lab Sample ID:	F68028-8	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037713.D	1	09/21/09	MM	n/a	n/a	VM1542
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	1.1	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	3.1	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.38	1.0	0.32	ug/l	I
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-293-VEW02		
Lab Sample ID:	F68028-8	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	0.40	1.0	0.20	ug/l	I
99-87-6	p-Isopropyltoluene	0.86	1.0	0.32	ug/l	I
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	1.1	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-293-VEW02		
Lab Sample ID:	F68028-8	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	111%		84-120%

U = Not detected MDL - Method Detection Limit
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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-293-VEW02		
Lab Sample ID:	F68028-8	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047711.D	1	09/23/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	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	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.96	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.65	0.96	0.24	ug/l	I
91-20-3	Naphthalene	0.24 U	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.96	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		42-108%
321-60-8	2-Fluorobiphenyl	62%		40-106%
1718-51-0	Terphenyl-d14	88%		39-121%

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-293-13		
Lab Sample ID:	F68028-9	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037714.D	1	09/21/09	MM	n/a	n/a	VM1542
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	1.8	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-293-13		
Lab Sample ID:	F68028-9	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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-293-13		
Lab Sample ID:	F68028-9	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	117%		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-293-13		
Lab Sample ID:	F68028-9	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047721.D	1	09/23/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	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	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.96	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.96	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		42-108%
321-60-8	2-Fluorobiphenyl	63%		40-106%
1718-51-0	Terphenyl-d14	89%		39-121%

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-293-VEW03		
Lab Sample ID:	F68028-10	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037717.D	1	09/21/09	MM	n/a	n/a	VM1542
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	1.4	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	2.8	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.51	1.0	0.32	ug/l	I
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-293-VEW03		
Lab Sample ID:	F68028-10	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	2.2	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.65	1.0	0.32	ug/l	I
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	8.5	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	3.3	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	8.8	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	4.6	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	0.43	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-293-VEW03		
Lab Sample ID:	F68028-10	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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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-293-VEW03		
Lab Sample ID:	F68028-10	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047722.D	1	09/23/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	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	0.048 U	0.19	0.048	ug/l	
207-08-9	Benzo(k)fluoranthene	0.048 U	0.19	0.048	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.48 U	0.96	0.48	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	3.3	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	3.5	0.96	0.24	ug/l	
91-20-3	Naphthalene	2.9	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.24 U	0.96	0.24	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	64%		40-106%
1718-51-0	Terphenyl-d14	92%		39-121%

U = Not detected MDL - Method Detection Limit
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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-293-VEW05		
Lab Sample ID:	F68028-11	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037718.D	1	09/21/09	MM	n/a	n/a	VM1542
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	0.31	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	0.28 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-293-VEW05		
Lab Sample ID:	F68028-11	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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-293-VEW05		
Lab Sample ID:	F68028-11	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	105%		76-127%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	116%		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-293-VEW05		
Lab Sample ID:	F68028-11	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047723.D	1	09/23/09	RB	09/18/09	OP30296	SW2409
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.50 U	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	0.50 U	1.0	0.50	ug/l	
120-12-7	Anthracene	0.50 U	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	0.050 U	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	0.050 U	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	0.050 U	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.050 U	0.20	0.050	ug/l	
207-08-9	Benzo(k)fluoranthene	0.050 U	0.20	0.050	ug/l	
218-01-9	Chrysene	0.10 U	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.050 U	0.20	0.050	ug/l	
206-44-0	Fluoranthene	0.25 U	1.0	0.25	ug/l	
86-73-7	Fluorene	0.50 U	1.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.050 U	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-20-3	Naphthalene	0.25 U	1.0	0.25	ug/l	
85-01-8	Phenanthrene	0.25 U	1.0	0.25	ug/l	
129-00-0	Pyrene	0.25 U	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		42-108%
321-60-8	2-Fluorobiphenyl	79%		40-106%
1718-51-0	Terphenyl-d14	91%		39-121%

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-293-VEW06		
Lab Sample ID:	F68028-12	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037719.D	1	09/21/09	MM	n/a	n/a	VM1542
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	0.88	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	0.28 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-293-VEW06		
Lab Sample ID:	F68028-12	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	1.8	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	4.2	5.0	1.0	ug/l	I
103-65-1	n-Propylbenzene	0.56	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	0.72	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.50	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	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-293-VEW06		
Lab Sample ID:	F68028-12	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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	105%		76-127%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	113%		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-293-VEW06		
Lab Sample ID:	F68028-12	**Date Sampled:**	09/15/09
Matrix:	AQ - Ground Water	**Date Received:**	09/17/09
Method:	SW846 8270C BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W047750.D	1	09/24/09	RB	09/18/09	OP30296	SW2410
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.50 U	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	0.50 U	1.0	0.50	ug/l	
120-12-7	Anthracene	0.50 U	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	0.050 U	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	0.050 U	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	0.050 U	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.050 U	0.20	0.050	ug/l	
207-08-9	Benzo(k)fluoranthene	0.050 U	0.20	0.050	ug/l	
218-01-9	Chrysene	0.10 U	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.050 U	0.20	0.050	ug/l	
206-44-0	Fluoranthene	0.25 U	1.0	0.25	ug/l	
86-73-7	Fluorene	0.50 U	1.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.050 U	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-20-3	Naphthalene	2.5	1.0	0.25	ug/l	
85-01-8	Phenanthrene	0.25 U	1.0	0.25	ug/l	
129-00-0	Pyrene	0.25 U	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	60%		42-108%
321-60-8	2-Fluorobiphenyl	61%		40-106%
1718-51-0	Terphenyl-d14	94%		39-121%

U = Not detected MDL - Method Detection Limit
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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:	TRIP BLANK		
Lab Sample ID:	F68028-13	**Date Sampled:**	09/15/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0037705.D	1	09/21/09	MM	n/a	n/a	VM1542
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:	TRIP BLANK		
Lab Sample ID:	F68028-13	**Date Sampled:**	09/15/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; 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:	TRIP BLANK		
Lab Sample ID:	F68028-13	**Date Sampled:**	09/15/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	09/17/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Cecil Field -Day Tank 1; Jacksonville, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	102%		76-127%
2037-26-5	Toluene-D8	92%		86-112%
460-00-4	4-Bromofluorobenzene	117%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

F68028

Accutest JOB # 31484 PAGE 1 OF 2

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Solutions-IES
Address: 1109 Darrell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jessica Kreuer E-mail: JKeener@solutions-ies.com
Phone#: (919) 873-1060
Sampler(s) Name(s) (Printed): EB/JB/BC/EG/SJ Du

Project Information

Project Name: Day Tank 1 - Cecil Field
Street:
City: Jacksonville State: FL
Project #: 4080
Fax #:
Client Purchase Order #:

Analytical Information

VOCs 8260B
PAHs 8270C

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	Collection TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	VOCs 8260B	PAHs 8270C	LAB USE ONLY
1	CEF-293-VEW07	9/15/09	1528	BC	GW	5		X	X							X	X	
2	CEF-293-09		1700	BC	GW	5		X	X									
3	CEF-293-02		1449	BC	GW	5		X	X									
4	CEF-293-VEW08		1620	BC	GW	5		X	X									
5	CEF-293-VEW04		1629	EG	GW	5		X	X									
6	CEF-293-VEW01		1451	EG	GW	5		X	X									
7	CEF-293-22		1712	EG	GW	5		X	X									
8	CEF-293-VEW02		1541	EG	GW	5		X	X									
9	CEF-293-13		1436	JB	GW	5		X	X									
10	CEF-293-VEW03		1630	JB	GW	5		X	X									
11	CEF-293-VEW05		1548	JB	GW	5		X	X									
12	CEF-293-VEW06		1572	JB	GW	5		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)
- [x] EDD'S

Comments / Remarks

OK (se)

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 Dan Marshall	9/16/09 1350	2 [signature] 09/16/09 1750	3 [signature] 09/16/09 2050		4 [signature] (Accutest) 9-17-09 0830
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 3 Cooler Temperature (s) Celsius: 2.8 3.2 2

4.1 4

F68028: Chain of Custody
Page 1 of 3

Accutest Laboratories Southeast
Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F68028 PAGE 2 OF 2

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Solutions- IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jessica Keener E-mail: JKeener@solutions-ies.com
Phone#: (919) 873-1060
Sampler(s) Name(s) (Printed): JB/BC/EG

Project Information

Project Name: Day Tank 1 - Cecil Field
Street:
City: Jacksonville State: FL
Project #: 4080
Fax #:
Client Purchase Order #:

Analytical Information

VOCs 8260B; PAHs 8270C

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	VOCs 8260B	PAHs 8270C								LAB USE ONLY
13	trip blank					2			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)
- [x] EDD'S

Comments / Remarks

OK (8)

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 Dan Marshall	9/16/09 1750	2 [signature] 09/16/09 1750	3 [signature] 09/16/09 2050		4 [signature] (Accutest) 9-17-09 0250
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 3 Cooler Temperature (s) Celsius: 2.8 3.2 2.4

4.1 4

F68028: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F68028 CLIENT: SOLUTIONS-IES PROJECT: DAY TANK 1 -CECIL FIELD

DATE/TIME RECEIVED: 9-17-09 08:00 # OF COOLERS RECEIVED: 3 COOLER TEMPS: 2.8 3.2 2.4

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
- [ ] 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 ?

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE JC 9-17-09 TECHNICIAN SIGNATURE/DATE T.T. 9.17.09

ASBD 12/17/07

4.1

4

F68028: Chain of Custody

Page 3 of 3

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1542-MB	M0037703.D	1	09/21/09	MM	n/a	n/a	VM1542

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-1, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12, F68028-13

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	

Method Blank Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1542-MB	M0037703.D	1	09/21/09	MM	n/a	n/a	VM1542

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-1, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12, F68028-13

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

Method Blank Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1542-MB	M0037703.D	1	09/21/09	MM	n/a	n/a	VM1542

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-1, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12, F68028-13

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	113%	84-120%

Method Blank Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1543-MB	M0037731.D	1	09/22/09	MM	n/a	n/a	VM1543

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	

Method Blank Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1543-MB	M0037731.D	1	09/22/09	MM	n/a	n/a	VM1543

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-2

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

Method Blank Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1543-MB	M0037731.D	1	09/22/09	MM	n/a	n/a	VM1543

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	100%	76-127%
2037-26-5	Toluene-D8	93%	86-112%
460-00-4	4-Bromofluorobenzene	105%	84-120%

Blank Spike Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1542-BS	M0037704.D	1	09/21/09	MM	n/a	n/a	VM1542

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-1, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12, F68028-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	156	125	59-134
107-02-8	Acrolein	125	68.5	55	33-157
107-13-1	Acrylonitrile	125	117	94	62-124
71-43-2	Benzene	25	26.6	106	83-124
108-86-1	Bromobenzene	25	26.5	106	83-115
74-97-5	Bromochloromethane	25	24.4	98	78-112
75-27-4	Bromodichloromethane	25	25.4	102	76-116
75-25-2	Bromoform	25	21.1	84	68-128
104-51-8	n-Butylbenzene	25	28.2	113	84-124
135-98-8	sec-Butylbenzene	25	27.7	111	86-127
98-06-6	tert-Butylbenzene	25	28.5	114	83-126
108-90-7	Chlorobenzene	25	26.0	104	87-115
75-00-3	Chloroethane	25	27.8	111	54-166
67-66-3	Chloroform	25	26.9	108	85-123
95-49-8	o-Chlorotoluene	25	28.6	114	84-121
106-43-4	p-Chlorotoluene	25	28.6	114	84-120
110-75-8	2-Chloroethyl vinyl ether	125	140	112	63-125
75-15-0	Carbon disulfide	25	30.3	121	67-147
56-23-5	Carbon tetrachloride	25	26.0	104	74-139
75-34-3	1,1-Dichloroethane	25	28.1	112	82-127
75-35-4	1,1-Dichloroethylene	25	30.4	122	75-133
563-58-6	1,1-Dichloropropene	25	29.6	118	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	23.1	92	61-118
106-93-4	1,2-Dibromoethane	25	24.3	97	80-115
107-06-2	1,2-Dichloroethane	25	25.7	103	76-122
78-87-5	1,2-Dichloropropane	25	27.2	109	81-120
142-28-9	1,3-Dichloropropane	25	24.7	99	81-113
594-20-7	2,2-Dichloropropane	25	26.7	107	77-138
124-48-1	Dibromochloromethane	25	23.3	93	74-116
75-71-8	Dichlorodifluoromethane	25	33.8	135	34-158
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	81-114
10061-01-5	cis-1,3-Dichloropropene	25	26.5	106	83-119
541-73-1	m-Dichlorobenzene	25	25.0	100	86-115
95-50-1	o-Dichlorobenzene	25	24.5	98	85-115
106-46-7	p-Dichlorobenzene	25	25.7	103	87-113
156-60-5	trans-1,2-Dichloroethylene	25	31.7	127*	82-126

Blank Spike Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1542-BS	M0037704.D	1	09/21/09	MM	n/a	n/a	VM1542

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-1, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12, F68028-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.0	108	87-123
100-41-4	Ethylbenzene	25	25.7	103	87-118
591-78-6	2-Hexanone	125	139	111	58-125
87-68-3	Hexachlorobutadiene	25	21.7	87	71-133
98-82-8	Isopropylbenzene	25	26.0	104	87-131
99-87-6	p-Isopropyltoluene	25	26.1	104	83-125
108-10-1	4-Methyl-2-pentanone	125	135	108	62-125
74-83-9	Methyl bromide	25	31.4	126	55-151
74-87-3	Methyl chloride	25	34.4	138	55-173
74-95-3	Methylene bromide	25	26.5	106	81-116
75-09-2	Methylene chloride	25	29.5	118	69-125
78-93-3	Methyl ethyl ketone	125	138	110	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.3	93	75-116
91-20-3	Naphthalene	25	21.3	85	59-125
103-65-1	n-Propylbenzene	25	30.4	122	86-125
100-42-5	Styrene	25	24.4	98	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	22.5	90	81-119
71-55-6	1,1,1-Trichloroethane	25	27.4	110	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.8	107	71-120
79-00-5	1,1,2-Trichloroethane	25	24.3	97	80-114
87-61-6	1,2,3-Trichlorobenzene	25	20.1	80	64-126
96-18-4	1,2,3-Trichloropropane	25	24.1	96	77-115
120-82-1	1,2,4-Trichlorobenzene	25	20.8	83	68-123
95-63-6	1,2,4-Trimethylbenzene	25	26.3	105	82-120
108-67-8	1,3,5-Trimethylbenzene	25	27.7	111	83-123
127-18-4	Tetrachloroethylene	25	24.5	98	80-131
108-88-3	Toluene	25	25.6	102	86-116
79-01-6	Trichloroethylene	25	28.5	114	85-124
75-69-4	Trichlorofluoromethane	25	32.8	131	66-156
75-01-4	Vinyl chloride	25	29.2	117	57-153
108-05-4	Vinyl Acetate	125	164	131	38-159
	m,p-Xylene	50	50.4	101	86-121
95-47-6	o-Xylene	25	24.1	96	83-121

Blank Spike Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1542-BS	M0037704.D	1	09/21/09	MM	n/a	n/a	VM1542

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-1, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12, F68028-13

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	76-127%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	113%	84-120%

Blank Spike Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1543-BS	M0037730.D	1	09/22/09	MM	n/a	n/a	VM1543

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	109	87	59-134
107-02-8	Acrolein	125	111	89	33-157
107-13-1	Acrylonitrile	125	105	84	62-124
71-43-2	Benzene	25	24.9	100	83-124
108-86-1	Bromobenzene	25	24.1	96	83-115
74-97-5	Bromochloromethane	25	23.2	93	78-112
75-27-4	Bromodichloromethane	25	23.3	93	76-116
75-25-2	Bromoform	25	22.7	91	68-128
104-51-8	n-Butylbenzene	25	25.3	101	84-124
135-98-8	sec-Butylbenzene	25	25.2	101	86-127
98-06-6	tert-Butylbenzene	25	25.5	102	83-126
108-90-7	Chlorobenzene	25	24.7	99	87-115
75-00-3	Chloroethane	25	27.5	110	54-166
67-66-3	Chloroform	25	24.7	99	85-123
95-49-8	o-Chlorotoluene	25	24.9	100	84-121
106-43-4	p-Chlorotoluene	25	24.6	98	84-120
110-75-8	2-Chloroethyl vinyl ether	125	121	97	63-125
75-15-0	Carbon disulfide	25	29.4	118	67-147
56-23-5	Carbon tetrachloride	25	26.6	106	74-139
75-34-3	1,1-Dichloroethane	25	25.9	104	82-127
75-35-4	1,1-Dichloroethylene	25	28.3	113	75-133
563-58-6	1,1-Dichloropropene	25	27.1	108	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	20.9	84	61-118
106-93-4	1,2-Dibromoethane	25	22.1	88	80-115
107-06-2	1,2-Dichloroethane	25	22.7	91	76-122
78-87-5	1,2-Dichloropropane	25	24.9	100	81-120
142-28-9	1,3-Dichloropropane	25	22.4	90	81-113
594-20-7	2,2-Dichloropropane	25	26.2	105	77-138
124-48-1	Dibromochloromethane	25	22.3	89	74-116
75-71-8	Dichlorodifluoromethane	25	31.0	124	34-158
156-59-2	cis-1,2-Dichloroethylene	25	23.9	96	81-114
10061-01-5	cis-1,3-Dichloropropene	25	23.9	96	83-119
541-73-1	m-Dichlorobenzene	25	23.8	95	86-115
95-50-1	o-Dichlorobenzene	25	22.7	91	85-115
106-46-7	p-Dichlorobenzene	25	24.6	98	87-113
156-60-5	trans-1,2-Dichloroethylene	25	28.5	114	82-126

Blank Spike Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1543-BS	M0037730.D	1	09/22/09	MM	n/a	n/a	VM1543

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	24.3	97	87-123
100-41-4	Ethylbenzene	25	23.7	95	87-118
591-78-6	2-Hexanone	125	116	93	58-125
87-68-3	Hexachlorobutadiene	25	21.9	88	71-133
98-82-8	Isopropylbenzene	25	25.5	102	87-131
99-87-6	p-Isopropyltoluene	25	24.1	96	83-125
108-10-1	4-Methyl-2-pentanone	125	115	92	62-125
74-83-9	Methyl bromide	25	30.9	124	55-151
74-87-3	Methyl chloride	25	31.7	127	55-173
74-95-3	Methylene bromide	25	23.2	93	81-116
75-09-2	Methylene chloride	25	25.8	103	69-125
78-93-3	Methyl ethyl ketone	125	109	87	61-127
1634-04-4	Methyl Tert Butyl Ether	25	22.1	88	75-116
91-20-3	Naphthalene	25	21.4	86	59-125
103-65-1	n-Propylbenzene	25	26.3	105	86-125
100-42-5	Styrene	25	23.5	94	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	23.4	94	81-119
71-55-6	1,1,1-Trichloroethane	25	26.5	106	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	22.0	88	71-120
79-00-5	1,1,2-Trichloroethane	25	22.4	90	80-114
87-61-6	1,2,3-Trichlorobenzene	25	21.0	84	64-126
96-18-4	1,2,3-Trichloropropane	25	20.3	81	77-115
120-82-1	1,2,4-Trichlorobenzene	25	21.8	87	68-123
95-63-6	1,2,4-Trimethylbenzene	25	23.6	94	82-120
108-67-8	1,3,5-Trimethylbenzene	25	24.8	99	83-123
127-18-4	Tetrachloroethylene	25	25.2	101	80-131
108-88-3	Toluene	25	24.3	97	86-116
79-01-6	Trichloroethylene	25	26.2	105	85-124
75-69-4	Trichlorofluoromethane	25	30.0	120	66-156
75-01-4	Vinyl chloride	25	28.1	112	57-153
108-05-4	Vinyl Acetate	125	154	123	38-159
	m,p-Xylene	50	48.3	97	86-121
95-47-6	o-Xylene	25	23.5	94	83-121

Blank Spike Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM1543-BS	M0037730.D	1	09/22/09	MM	n/a	n/a	VM1543

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	99%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F68028-6MS	M0037715.D	1	09/21/09	MM	n/a	n/a	VM1542
F68028-6MSD	M0037716.D	1	09/21/09	MM	n/a	n/a	VM1542
F68028-6	M0037711.D	1	09/21/09	MM	n/a	n/a	VM1542

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-1, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12, F68028-13

CAS No.	Compound	F68028-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U		125	143	114	130	104	10	59-134/14
107-02-8	Acrolein	20 U		125	70.0	56	68.9	55	2	33-157/21
107-13-1	Acrylonitrile	10 U		125	113	90	118	94	4	62-124/13
71-43-2	Benzene	1.0 U		25	26.8	107	25.2	101	6	83-124/11
108-86-1	Bromobenzene	1.0 U		25	26.2	105	24.3	97	8	83-115/10
74-97-5	Bromochloromethane	1.0 U		25	24.1	96	23.0	92	5	78-112/10
75-27-4	Bromodichloromethane	1.0 U		25	24.9	100	23.1	92	7	76-116/10
75-25-2	Bromoform	1.0 U		25	21.4	86	20.5	82	4	68-128/11
104-51-8	n-Butylbenzene	1.0 U		25	28.0	112	26.6	106	5	84-124/10
135-98-8	sec-Butylbenzene	0.35	I	25	28.3	112	26.3	104	7	86-127/10
98-06-6	tert-Butylbenzene	1.0 U		25	29.0	116	26.8	107	8	83-126/10
108-90-7	Chlorobenzene	1.0 U		25	25.7	103	23.9	96	7	87-115/9
75-00-3	Chloroethane	2.0 U		25	27.5	110	27.1	108	1	54-166/20
67-66-3	Chloroform	1.0 U		25	26.9	108	25.6	102	5	85-123/10
95-49-8	o-Chlorotoluene	1.0 U		25	28.4	114	25.7	103	10	84-121/10
106-43-4	p-Chlorotoluene	1.0 U		25	28.2	113	26.3	105	7	84-120/10
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	2.0 U		25	30.7	123	29.8	119	3	67-147/12
56-23-5	Carbon tetrachloride	1.0 U		25	26.2	105	25.5	102	3	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U		25	28.3	113	26.8	107	5	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	30.8	123	30.7	123	0	75-133/13
563-58-6	1,1-Dichloropropene	1.0 U		25	30.1	120	28.3	113	6	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	23.6	94	23.1	92	2	61-118/15
106-93-4	1,2-Dibromoethane	1.0 U		25	23.9	96	22.2	89	7	80-115/10
107-06-2	1,2-Dichloroethane	1.0 U		25	25.7	103	24.2	97	6	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U		25	27.2	109	25.3	101	7	81-120/11
142-28-9	1,3-Dichloropropane	1.0 U		25	23.9	96	23.1	92	3	81-113/11
594-20-7	2,2-Dichloropropane	1.0 U		25	26.5	106	25.3	101	5	77-138/12
124-48-1	Dibromochloromethane	1.0 U		25	22.5	90	20.8	83	8	74-116/11
75-71-8	Dichlorodifluoromethane	2.0 U		25	33.6	134	36.4	146	8	34-158/22
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.0	100	23.9	96	4	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	26.0	104	23.2	93	11*	83-119/10
541-73-1	m-Dichlorobenzene	1.0 U		25	24.9	100	23.3	93	7	86-115/9
95-50-1	o-Dichlorobenzene	1.0 U		25	24.0	96	22.8	91	5	85-115/9
106-46-7	p-Dichlorobenzene	1.0 U		25	25.5	102	23.8	95	7	87-113/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	32.4	130*	31.1	124	4	82-126/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F68028-6MS	M0037715.D	1	09/21/09	MM	n/a	n/a	VM1542
F68028-6MSD	M0037716.D	1	09/21/09	MM	n/a	n/a	VM1542
F68028-6	M0037711.D	1	09/21/09	MM	n/a	n/a	VM1542

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-1, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12, F68028-13

CAS No.	Compound	F68028-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	26.2	105	24.4	98	7	87-123/10
100-41-4	Ethylbenzene	0.59	I	25	25.6	100	23.9	93	7	87-118/10
591-78-6	2-Hexanone	10 U		125	137	110	133	106	3	58-125/14
87-68-3	Hexachlorobutadiene	2.0 U		25	22.0	88	21.2	85	4	71-133/12
98-82-8	Isopropylbenzene	0.73	I	25	26.4	103	24.8	96	6	87-131/10
99-87-6	p-Isopropyltoluene	1.0 U		25	26.4	106	24.5	98	7	83-125/9
108-10-1	4-Methyl-2-pentanone	5.0 U		125	137	110	135	108	1	62-125/13
74-83-9	Methyl bromide	2.0 U		25	32.5	130	29.6	118	9	55-151/21
74-87-3	Methyl chloride	2.0 U		25	34.6	138	32.7	131	6	55-173/22
74-95-3	Methylene bromide	2.0 U		25	25.8	103	23.9	96	8	81-116/10
75-09-2	Methylene chloride	5.0 U		25	34.1	136*	27.4	110	22*	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U		125	132	106	126	101	5	61-127/13
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	23.0	92	23.1	92	0	75-116/10
91-20-3	Naphthalene	5.0 U		25	22.1	88	22.3	89	1	59-125/15
103-65-1	n-Propylbenzene	0.80	I	25	30.9	120	28.3	110	9	86-125/10
100-42-5	Styrene	1.0 U		25	24.2	97	22.8	91	6	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U		25	22.0	88	21.4	86	3	81-119/10
71-55-6	1,1,1-Trichloroethane	1.0 U		25	27.7	111	26.5	106	4	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	26.7	107	25.4	102	5	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U		25	24.4	98	23.1	92	5	80-114/11
87-61-6	1,2,3-Trichlorobenzene	1.0 U		25	20.4	82	19.8	79	3	64-126/16
96-18-4	1,2,3-Trichloropropane	2.0 U		25	24.2	97	22.5	90	7	77-115/12
120-82-1	1,2,4-Trichlorobenzene	1.0 U		25	21.2	85	20.2	81	5	68-123/11
95-63-6	1,2,4-Trimethylbenzene	0.41	I	25	26.1	103	24.0	94	8	82-120/10
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	27.5	110	24.8	99	10	83-123/10
127-18-4	Tetrachloroethylene	1.0 U		25	24.4	98	22.7	91	7	80-131/12
108-88-3	Toluene	1.0 U		25	24.7	99	23.3	93	6	86-116/10
79-01-6	Trichloroethylene	1.0 U		25	28.4	114	26.4	106	7	85-124/10
75-69-4	Trichlorofluoromethane	2.0 U		25	34.3	137	33.0	132	4	66-156/15
75-01-4	Vinyl chloride	1.0 U		25	28.3	113	27.4	110	3	57-153/22
108-05-4	Vinyl Acetate	10 U		125	164	131	155	124	6	38-159/11
	m,p-Xylene	2.0 U		50	51.6	103	47.4	95	8	86-121/10
95-47-6	o-Xylene	1.0 U		25	24.5	98	22.7	91	8	83-121/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F68028-6MS	M0037715.D	1	09/21/09	MM	n/a	n/a	VM1542
F68028-6MSD	M0037716.D	1	09/21/09	MM	n/a	n/a	VM1542
F68028-6	M0037711.D	1	09/21/09	MM	n/a	n/a	VM1542

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-1, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12, F68028-13

CAS No.	Surrogate Recoveries	MS	MSD	F68028-6	Limits
1868-53-7	Dibromofluoromethane	103%	104%	103%	87-116%
17060-07-0	1,2-Dichloroethane-D4	108%	108%	104%	76-127%
2037-26-5	Toluene-D8	95%	96%	94%	86-112%
460-00-4	4-Bromofluorobenzene	112%	110%	116%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F68062-5MS	M0037740.D	1	09/22/09	MM	n/a	n/a	VM1543
F68062-5MSD	M0037741.D	1	09/22/09	MM	n/a	n/a	VM1543
F68062-5	M0037732.D	1	09/22/09	MM	n/a	n/a	VM1543

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-2

CAS No.	Compound	F68062-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	131	105	109	87	18*	59-134/14
107-02-8	Acrolein	ND		125	63.9	51	71.0	57	11	33-157/21
107-13-1	Acrylonitrile	ND		125	109	87	113	90	4	62-124/13
71-43-2	Benzene	ND		25	26.3	105	26.0	104	1	83-124/11
108-86-1	Bromobenzene	ND		25	26.3	105	25.7	103	2	83-115/10
74-97-5	Bromochloromethane	ND		25	23.7	95	24.4	98	3	78-112/10
75-27-4	Bromodichloromethane	ND		25	24.9	100	24.6	98	1	76-116/10
75-25-2	Bromoform	ND		25	21.4	86	22.5	90	5	68-128/11
104-51-8	n-Butylbenzene	ND		25	26.3	105	25.9	104	2	84-124/10
135-98-8	sec-Butylbenzene	ND		25	26.4	106	26.1	104	1	86-127/10
98-06-6	tert-Butylbenzene	ND		25	27.1	108	26.6	106	2	83-126/10
108-90-7	Chlorobenzene	ND		25	25.3	101	25.2	101	0	87-115/9
75-00-3	Chloroethane	ND		25	26.6	106	26.7	107	0	54-166/20
67-66-3	Chloroform	ND		25	25.7	103	26.0	104	1	85-123/10
95-49-8	o-Chlorotoluene	ND		25	26.8	107	26.8	107	0	84-121/10
106-43-4	p-Chlorotoluene	ND		25	27.3	109	26.6	106	3	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	27.9	112	28.7	115	3	67-147/12
56-23-5	Carbon tetrachloride	ND		25	26.0	104	26.4	106	2	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	26.8	107	26.7	107	0	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	27.8	111	27.9	112	0	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	28.5	114	28.3	113	1	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	22.1	88	22.4	90	1	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	23.1	92	23.3	93	1	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	24.5	98	24.4	98	0	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	26.5	106	25.9	104	2	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	23.6	94	23.7	95	0	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	26.0	104	25.7	103	1	77-138/12
124-48-1	Dibromochloromethane	ND		25	22.4	90	22.9	92	2	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	32.6	130	31.1	124	5	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.1	96	24.8	99	3	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.8	103	25.4	102	2	83-119/10
541-73-1	m-Dichlorobenzene	ND		25	24.6	98	24.2	97	2	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	23.9	96	23.7	95	1	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	25.0	100	24.9	100	0	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	29.8	119	29.3	117	2	82-126/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F68062-5MS	M0037740.D	1	09/22/09	MM	n/a	n/a	VM1543
F68062-5MSD	M0037741.D	1	09/22/09	MM	n/a	n/a	VM1543
F68062-5	M0037732.D	1	09/22/09	MM	n/a	n/a	VM1543

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-2

CAS No.	Compound	F68062-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		25	25.7	103	25.2	101	2	87-123/10
100-41-4	Ethylbenzene	ND		25	24.7	99	24.6	98	0	87-118/10
591-78-6	2-Hexanone	ND		125	124	99	129	103	4	58-125/14
87-68-3	Hexachlorobutadiene	ND		25	21.5	86	20.7	83	4	71-133/12
98-82-8	Isopropylbenzene	ND		25	24.7	99	24.7	99	0	87-131/10
99-87-6	p-Isopropyltoluene	ND		25	24.8	99	24.7	99	0	83-125/9
108-10-1	4-Methyl-2-pentanone	ND		125	126	101	126	101	0	62-125/13
74-83-9	Methyl bromide	ND		25	31.1	124	30.6	122	2	55-151/21
74-87-3	Methyl chloride	0.65	J	25	31.7	124	31.4	123	1	55-173/22
74-95-3	Methylene bromide	ND		25	25.2	101	25.2	101	0	81-116/10
75-09-2	Methylene chloride	ND		25	31.1	124	26.1	104	17*	69-125/11
78-93-3	Methyl ethyl ketone	ND		125	120	96	122	98	2	61-127/13
1634-04-4	Methyl Tert Butyl Ether	20.9		25	43.3	90	44.1	93	2	75-116/10
91-20-3	Naphthalene	ND		25	22.0	88	22.1	88	0	59-125/15
103-65-1	n-Propylbenzene	ND		25	28.8	115	28.1	112	2	86-125/10
100-42-5	Styrene	ND		25	23.6	94	24.0	96	2	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	22.7	91	22.4	90	1	81-119/10
71-55-6	1,1,1-Trichloroethane	ND		25	26.6	106	26.4	106	1	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	24.7	99	24.4	98	1	71-120/11
79-00-5	1,1,2-Trichloroethane	ND		25	23.5	94	23.1	92	2	80-114/11
87-61-6	1,2,3-Trichlorobenzene	ND		25	20.2	81	20.7	83	2	64-126/16
96-18-4	1,2,3-Trichloropropane	ND		25	22.0	88	22.3	89	1	77-115/12
120-82-1	1,2,4-Trichlorobenzene	ND		25	21.1	84	20.6	82	2	68-123/11
95-63-6	1,2,4-Trimethylbenzene	0.25	J	25	25.3	100	24.9	99	2	82-120/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	26.4	106	26.2	105	1	83-123/10
127-18-4	Tetrachloroethylene	ND		25	24.8	99	24.1	96	3	80-131/12
108-88-3	Toluene	ND		25	24.8	99	24.0	96	3	86-116/10
79-01-6	Trichloroethylene	ND		25	27.9	112	27.0	108	3	85-124/10
75-69-4	Trichlorofluoromethane	ND		25	30.2	121	30.6	122	1	66-156/15
75-01-4	Vinyl chloride	ND		25	26.8	107	26.6	106	1	57-153/22
108-05-4	Vinyl Acetate	ND		125	155	124	155	124	0	38-159/11
	m,p-Xylene	ND		50	49.8	100	48.9	98	2	86-121/10
95-47-6	o-Xylene	ND		25	24.0	96	23.3	93	3	83-121/10

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F68062-5MS	M0037740.D	1	09/22/09	MM	n/a	n/a	VM1543
F68062-5MSD	M0037741.D	1	09/22/09	MM	n/a	n/a	VM1543
F68062-5	M0037732.D	1	09/22/09	MM	n/a	n/a	VM1543

The QC reported here applies to the following samples: **Method:** SW846 8260B

F68028-2

CAS No.	Surrogate Recoveries	MS	MSD	F68062-5	Limits
1868-53-7	Dibromofluoromethane	101%	103%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	104%	102%	98%	76-127%
2037-26-5	Toluene-D8	96%	94%	95%	86-112%
460-00-4	4-Bromofluorobenzene	109%	109%	105%	84-120%

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP30296-MB	W047699.D	1	09/22/09	RB	09/18/09	OP30296	SW2409

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F68028-1, F68028-2, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.50	ug/l	
120-12-7	Anthracene	ND	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.050	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.25	ug/l	
86-73-7	Fluorene	ND	1.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	1.0	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.25	ug/l	
129-00-0	Pyrene	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	94%	42-108%
321-60-8	2-Fluorobiphenyl	100%	40-106%
1718-51-0	Terphenyl-d14	99%	39-121%

Method Blank Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP30296-MB	W047749.D	1	09/24/09	RB	09/18/09	OP30296	SW2410

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F68028-1, F68028-2, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.50	ug/l	
120-12-7	Anthracene	ND	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.050	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.050	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.050	ug/l	
218-01-9	Chrysene	ND	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.25	ug/l	
86-73-7	Fluorene	ND	1.0	0.50	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	1.0	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.25	ug/l	
129-00-0	Pyrene	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	94%	42-108%
321-60-8	2-Fluorobiphenyl	97%	40-106%
1718-51-0	Terphenyl-d14	102%	39-121%

Blank Spike Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP30296-BS	W047698.D	1	09/22/09	RB	09/18/09	OP30296	SW2409

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F68028-1, F68028-2, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	25	19.8	79	60-94
208-96-8	Acenaphthylene	25	17.9	72	60-92
120-12-7	Anthracene	25	20.0	80	69-98
56-55-3	Benzo(a)anthracene	2.5	2.0	80	65-102
50-32-8	Benzo(a)pyrene	2.5	2.1	84	74-106
205-99-2	Benzo(b)fluoranthene	2.5	2.1	84	71-104
191-24-2	Benzo(g,h,i)perylene	2.5	2.1	84	60-104
207-08-9	Benzo(k)fluoranthene	2.5	2.0	80	70-104
218-01-9	Chrysene	2.5	2.0	80	69-104
53-70-3	Dibenzo(a,h)anthracene	2.5	1.9	76	63-107
206-44-0	Fluoranthene	25	20.3	81	70-99
86-73-7	Fluorene	25	20.5	82	62-95
193-39-5	Indeno(1,2,3-cd)pyrene	2.5	2.0	80	63-107
90-12-0	1-Methylnaphthalene	25	19.6	78	57-94
91-57-6	2-Methylnaphthalene	25	17.8	71	58-90
91-20-3	Naphthalene	25	18.5	74	58-92
85-01-8	Phenanthrene	25	19.1	76	68-98
129-00-0	Pyrene	25	19.8	79	66-102

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	93%	42-108%
321-60-8	2-Fluorobiphenyl	98%	40-106%
1718-51-0	Terphenyl-d14	88%	39-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F68028
Account: SIESNCR Solutions-IES, Inc
Project: Cecil Field -Day Tank 1; Jacksonville, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP30296-MS	W047751.D	1	09/24/09	RB	09/18/09	OP30296	SW2410
OP30296-MSD	W047752.D	1	09/24/09	RB	09/18/09	OP30296	SW2410
F68028-12	W047750.D	1	09/24/09	RB	09/18/09	OP30296	SW2410

The QC reported here applies to the following samples: **Method:** SW846 8270C BY SIM

F68028-1, F68028-2, F68028-3, F68028-4, F68028-5, F68028-6, F68028-7, F68028-8, F68028-9, F68028-10, F68028-11, F68028-12

CAS No.	Compound	F68028-12 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	1.0	U	50	30.2	60	26.6	53*	13	60-94/25
208-96-8	Acenaphthylene	1.0	U	50	27.4	55*	24.5	49*	11	60-92/24
120-12-7	Anthracene	1.0	U	50	38.2	76	35.7	71	7	69-98/19
56-55-3	Benzo(a)anthracene	0.20	U	5	4.3	86	4.3	86	0	65-102/23
50-32-8	Benzo(a)pyrene	0.20	U	5	4.4	88	4.5	90	2	74-106/23
205-99-2	Benzo(b)fluoranthene	0.20	U	5	4.2	84	4.5	90	7	71-104/24
191-24-2	Benzo(g,h,i)perylene	0.20	U	5	4.5	90	4.5	90	0	60-104/22
207-08-9	Benzo(k)fluoranthene	0.20	U	5	4.1	82	4.1	82	0	70-104/22
218-01-9	Chrysene	0.20	U	5	4.2	84	4.1	82	2	69-104/21
53-70-3	Dibenzo(a,h)anthracene	0.20	U	5	4.3	86	4.4	88	2	63-107/21
206-44-0	Fluoranthene	1.0	U	50	40.9	82	40.7	81	0	70-99/23
86-73-7	Fluorene	1.0	U	50	33.2	66	29.2	58*	13	62-95/25
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	5	4.2	84	4.1	82	2	63-107/24
90-12-0	1-Methylnaphthalene	1.0	U	50	28.4	57	25.9	52*	9	57-94/26
91-57-6	2-Methylnaphthalene	1.0	U	50	26.2	52*	24.0	48*	9	58-90/23
91-20-3	Naphthalene	2.5		50	27.6	50*	26.2	47*	5	58-92/23
85-01-8	Phenanthrene	1.0	U	50	35.9	72	32.4	65*	10	68-98/23
129-00-0	Pyrene	1.0	U	50	42.1	84	42.7	85	1	66-102/25

CAS No.	Surrogate Recoveries	MS	MSD	F68028-12	Limits
4165-60-0	Nitrobenzene-d5	66%	58%	60%	42-108%
321-60-8	2-Fluorobiphenyl	71%	62%	61%	40-106%
1718-51-0	Terphenyl-d14	96%	92%	94%	39-121%

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Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Solutions-IES
Address: 1104 Darwell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jessica Kreuer E-mail: Jkeener@solutions-ies.com
Phone#: (919) 873-1060
Sampler(s) Name(s) (Printed): EG/JB/BC/ED/SJ Ow

Project Information

Project Name: Day Tank 1 - Cecil Field
Street:
City: Jacksonville State: FL
Project #: 4080
Fax #:
Client Purchase Order #:

Analytical Information

VOCs 8260B
PAHs 8270C

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	VOCs 8260B	PAHs 8270C	LAB USE ONLY
1	CEF-293-VEW07	9/15/09	1528	BC	GW	5		X	X							X		
2	CEF-293-09		1700	BC	GW	5		X	X									
3	CEF-293-02		1449	BC	GW	5		X	X									
4	CEF-293-VEW08		1620	BC	GW	5		X	X									
5	CEF-293-VEW04		1629	EG	GW	5		X	X									
6	CEF-293-VEW01		1451	EG	GW	5		X	X									
7	CEF-293-22		1712	EG	GW	5		X	X									
8	CEF-293-VEW02		1511	EG	GW	5		X	X									
9	CEF-293-13		1436	JB	GW	5		X	X									
10	CEF-293-VEW03		1630	JB	GW	5		X	X									
11	CEF-293-VEW05		1548	JB	GW	5		X	X									
12	CEF-293-VEW06		1572	JB	GW	5		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)
- [x] EDD'S

Comments / Remarks

OK (SE)

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 Dan Marshall	9/16/09 1750	2 [signature] 09/16/09 1750	3 [signature] 09/16/09 2050		4 [signature] (ACCUTEST) 7-17-09
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: 3 Cooler Temperature (s) Celsius: 2.8 3.2 2

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST.

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # F68028 PAGE 2 OF 2

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Solutions- IES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jessica Keener E-mail: JKeener@solutions-ies.com
Phone#: (919) 873-1060
Sampler(s) Name(s) (Printed): JB/BC/EG

Project Information

Project Name: Day Tank 1 - Cecil Field
Street:
City: Jacksonville State: FL
Project #: 4080
Fax #:
Client Purchase Order #:

Analytical Information

VOCs 8260B
PAHs 8270C

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	VOCs 8260B	PAHs 8270C	LAB USE ONLY
13	trip blank					2			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)
- [x] EDD'S

Comments / Remarks

OK

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 Dan Marshall	9/16/09 1750	2 Jeff Hall 09/16/09 1750	3 Jeff Hall 09/16/09 2050		4 [illegible] (Accutest) 9-17-09 0850
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: 3 Cooler Temperature (s) Celsius: 2.8 3.2 2.4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F68028 CLIENT: SOLUTIONS-IES PROJECT: DAY TANK 1 -CECIL FIELD

DATE/TIME RECEIVED: 9-17-09 08:00 # OF COOLERS RECEIVED: 3 COOLER TEMPS: 2.8 3.2 2.4

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
- [ ] 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 ? _____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE JC 9-17-09 TECHNICIAN SIGNATURE/DATE T.T. 9.17.09

ASBD 12/17/07

APPENDIX B

GROUNDWATER SAMPLING LOGS

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: Day Tank 1 - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-293-02 | **Sample ID:** CEF-293-02 | **Date:** 9/15/09

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	7.37	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):
21' off bottom	1428	1449	0.6	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)
1438	0.2	0.2	150	7.54	4.97	26.35	156	1.33	181	-84.7	tea	—
1441	0.1	0.3	150	7.55	5.00	26.31	145	1.25	133	-89.6		
1444	0.1	0.4	150	7.55	5.01	26.28	140	1.19	133	-95.8		
1447	0.1	0.5	150	7.56	5.02	26.19	138	1.11	129	-95.6		

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	1449	1506

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 8270C	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

Field Kits: DO: 1.0

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: Day Tank 1 - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-293-09 | **Sample ID:** CEF-293-09 | **Date:** 9/15/09

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	8.27	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):
8' off bottom	1642	1700	0.55	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)
1653	0.3	0.3	150	8.39	5.33	27.97	264	1.67	29.0	-130.7	clear	—
1656	0.1	0.4	150	8.39	5.26	27.89	248	1.60	26.7	-137.9		
1659	0.1	0.5	150	8.39	5.27	27.91	245	1.54	24.2	-140.1		

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:
Burke Cathey / Terraine	Burke Cathey	1700	1717

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 8270C	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

Field Kits: DO: 2.0

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: Day Tank 1 - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-293-13 | **Sample ID:** CEF-293-13 | **Date:** 9-15-09

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)	6.76	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' above bottom	14:17	14:35	0.8	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)
14:19	0.1	0.1	200	6.83	8.74	29.66	261	~~15.30~~ 1.15	5.58	255.9	clear	none
14:24	0.2	0.3	200	6.84	8.86	28.94	189	1.88	8.30	243.0	clear	none
14:29	0.2	0.5	200	6.83	9.10	28.69	179	1.69	5.39	260.6	clear	none
14:34	0.2	0.7	200	6.83	8.91	28.51	176	1.69	3.50	254.3	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:
Jad Bean / Terraine INC	[signature]	14:36	14:45

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	2	AG	1 L	None	PAHs 8270C	PP
3	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

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: Day Tank 1 - Cecil Field	**Site Location:** Jacksonville, Florida
Well Number: CEF-293-22	**Sample ID:** CEF-293-22 **Date:** 9/15/09

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	6.69	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):
2ft off bottom	1655	1712	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)
1702	0.1	0.1	150	6.85	5.66	28.35	347	1.45	12.2	32.6	Clear	— —
1706	0.1	0.2	150	6.85	5.67	28.34	346	1.59	11.1	33.6		
1709	0.1	0.3	150	6.85	5.67	28.35	345	1.61	11.3	34.5		
1712	0.1	0.4	150	6.85	5.66	28.34	345	1.62	10.4	35.3		

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:
Elizabeth Geiger / Tetraine	Elizabeth Geiger	1712	1732

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

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
12	2	AG	1 L	None	PAHs 8270C	PP
3	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

Field Kits: DO: 0.6

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: Day Tank 1 - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-293-VEW01 | **Sample ID:** CEF-293-VEW01 | **Date:** 9/15/09

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	6.14	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 ft from bottom	1425	1451	0.6	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)
1431	0.1	0.1	100	6.25	5.89	27.36	276	0.30	45.1	-62.0	Clear	—
1435	0.1	0.2	100	6.25	5.90	27.30	269	0.39	18.4	-71.1		
1439	0.1	0.3	100	6.25	5.96	27.16	233	0.18	16.3	-91.0		
1443	0.1	0.4	100	6.25	5.99	27.04	219	0.13	13.9	-94.1		
1447	0.1	0.5	100	6.25	5.99	27.25	210	0.14	15.2	-84.2		
1451	0.1	0.6	100	6.25	5.98	27.20	209	0.15	14.3	-83.0		

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:
Elizabeth Geiger / Terraine	[signature]	1451	1513

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

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
2	2	AG	1 L	None	PAHs 8270C	PP
3	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

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: Day Tank 1 - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-293-VEW02 | **Sample ID:** CEF-293-VEO2 | **Date:** 9/15/09

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	6.30	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):
24 ft bottom	1522	1541	0.4	140

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)
1531	0.1	0.1	140	6.34	6.46	26.44	521	0.27	7.8	-140	Clear	—
1534	0.1	0.2	140	6.34	6.45	26.39	517	0.20	7.9	-137		
1537	0.1	0.3	140	6.34	6.36	26.32	514	0.15	8.1	-130		
1541	0.1	0.4	140	6.34	6.37	26.30	510	0.10	8.8	-124		

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:
Elizabeth Geiger / Terraine	[signature]	1541	1600

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

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
2	2	AG	1 L	None	PAHs 8270C	PP
3	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

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: Day Tank 1 - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-293-VEW03	**Sample ID:** CEF-293-VEW03	**Date:** 4-15-09

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	5.77	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' above bottom	16:11	16:29	0.8	

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)
16:13	0.1	0.1	175	5.79	7.50	28.63	236	2.18	4.90	860.0	clear	none
16:18	0.2	0.3	175	5.80	7.52	28.34	227	1.79	3.50	823.0	clear	none
16:23	0.2	0.5	175	5.80	7.54	28.27	221	1.64	2.11	803.8	clear	none
16:28	0.2	0.7	175	5.80	7.56	28.35	229	1.69	2.38	820.1	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:
Jad Bean / Terraine INC	[signature]	16:30	16:45

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	2	AG	1 L	None	PAHs 8270C	PP
3	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

Field Kits: DO: 1.0

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: Day Tank 1 - Cecil Field	**Site Location:** Jacksonville, Florida
Well Number: CEF-293-VEW04 **Sample ID:** CEF-293-VEW04	**Date:** 9/15/09

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	6.25	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):
2ft from bottom	1615	1629		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)
1620	0.1	0.1	150	6.20	5.09	27.80	241	0.27	5.7	-22.7	clear	—
1623	0.1	0.2	150	6.20	5.06	27.79	230	0.26	3.4	-25.5		
1626	0.1	0.3	150	6.20	5.03	27.76	234	0.25	3.2	-26.7		
1629	0.1	0.4	150	6.20	5.00	27.78	230	0.21	3.4	32.1		

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:
Elizabeth Geigu/Tetrattie	Elizabeth CM	1629	1649

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

SAMPLE CONTAINER INFORMATION

Sample ID Code	# Containers	Material Code	Volume	Preservative Used	Intended Analysis	Sampling Equipment Code
2	2	AG	1 L	None	PAHs 8270C	PP
3	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks: —

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: Day Tank 1 - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-293-VEW05 | **Sample ID:** CEF-293-VEW05 | **Date:** 9-15-09

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	5.00	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):
2' above bottom	15:35	15:47	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)
15:36	0.2	0.2	200	5.02	7.57	28.33	252	2.30	4.22	929.0	clear	none
15:41	0.2	0.4	200	5.06	7.60	28.14	239	2.28	3.72	929.4	clear	none
15:46	0.1	0.5	200	5.07	7.64	28.05	230	2.18	2.35	929.7	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:
Jad Bean / Terraine INC	[signature]	15:48	15:54

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	2	AG	1 L	None	PAHs 8270C	PP
3	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

Field Kits: DO: 0.9

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: Day Tank 1 - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-293-VEW06	**Sample ID:** CEF-293-VEW06	**Date:** 9-15-09

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	5.04	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' above bottom	14:58	15:11	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)
15:00	0.1	0.1	200	5.10	5.66	28.27	215	0.79	13.2	152.0	clear	none
15:05	0.2	0.3	200	5.11	5.64	28.14	210	0.78	11.3	148.6	clear	none
15:10	0.2	0.5	200	5.12	5.53	28.01	204	0.69	7.01	148.5	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:**
Jad Bean / Terraine INC	[signature]	15:12	15:25

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	2	AG	1 L	None	PAHs 8270C	PP
3	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

Field Kits: DO: 1.0

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: Day Tank 1 - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-293-VEW07 | **Sample ID:** CEF-293-VEW07 | **Date:** 9/15/09

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	6.73	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	1509	1528	1.0	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)
1517	0.3	~~200~~ 0.3	200	6.78	5.07	26.00	148	1.54	61.3	60.8	tea	
1520	0.2	0.5	200	6.79	5.10	25.85	155	1.48	55.1	-91.4		
1523	0.2	0.7	200	6.79	5.10	25.86	161	1.42	54.7	-95.7		
1526	0.2	0.9	200	6.80	5.11	25.87	163	1.37	54.1	-97.9		

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	[signature]	1528	1547

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 8270C	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

Field Kits: DO: 1.0

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: Day Tank 1 - Cecil Field | **Site Location:** Jacksonville, Florida

Well Number: CEF-293-VEW08 | **Sample ID:** CEF-293-VEW08 | **Date:** 9/15/09

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	6.67	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	1600	1620	0.95	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)
1610	0.3	0.3	200	6.75	5.24	26.32	188	1.67	82.5	-115.1	tea	
1613	0.2	0.5	200	6.77	5.28	26.29	201	1.59	73.6	-129.7		
1616	0.2	0.7	200	6.77	5.30	26.28	210	1.43	69.9	-137.7		
1619	0.2	0.9	200	6.78	5.31	26.36	216	1.35	67.1	-140.2		

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:
Burke Cathey/Terraine	Burke Cathey	1620	1636

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 8270C	PP
	3	CG	40 mL	HCl	VOCs 8260B	RFPP

Remarks:

Field Kits: DO: 1.0

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)