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NAS CECIL FIELD, FL
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FIRST 2009 SEMI-ANNUAL NATURAL ATTENUATION MONITORING REPORT FOR DAY TANK 1 NAS CECIL FIELD FL

7/31/2009

SOLUTIONS-IES INC

FIRST 2009 SEMI-ANNUAL NATURAL ATTENUATION MONITORING REPORT

DAY TANK 1
FORMER NAS CECIL FIELD
JACKSONVILLE, FL

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

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JULY 31, 2009

Solutions-IES
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SIGNATURE PAGE

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 3
2.3.1 Methodology 3
2.4 INVESTIGATION DERIVED WASTE (IDW) 4
3.0 SAMPLING AND ANALYTICAL RESULTS 4
3.1 DATA VALIDATION 4
3.2 FIELD PARAMETER SUMMARY 4
3.3 LABORATORY ANALYTICAL RESULTS 5
4.0 CONCLUSIONS AND RECOMMENDATIONS 6
5.0 REFERENCES 6

FIGURES

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

TABLES

Table 1 – Groundwater Elevation and Free Product Data
Table 2 – Field and Natural Attenuation Parameters
Table 3 – Laboratory Analytical Results

APPENDICES

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

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 performs semi-annual groundwater monitoring. This Natural Attenuation Monitoring Report details the activities performed at the site in March 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 location 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. 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 deactivating 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 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. The BS/SVE is presently inactive and site restoration is in progress (CH2MHILL, 2009).

2.0 GROUNDWATER MONITORING SUMMARY

At this time, there are 12 active monitoring wells on the site (**Figure 2**). Each monitoring well is sampled on a semi-annual basis in March and September.

During each monitoring event, water levels are recorded and samples collected from the wells listed below for laboratory analysis of :

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

Monitoring Well	Location
CEF-293-02	Within plume
CEF-293-09	Within plume
CEF-293-13	Perimeter well
CEF-293-22	Perimeter well
VEW-1	Within plume
VEW-2	Within plume
VEW-3	Perimeter well
VEW-4	Within plume
VEW-5	Perimeter well
VEW-6	Perimeter well
VEW-7	Within plume
VEW-8	Within plume

2.1 MONITORING WELL OBSERVATIONS

The integrity of the monitoring wells included in the long-term monitoring plan was evaluated during the March 2009 sampling event. The field team noted no extensive damage (i.e., the need for well replacement or repair) to the wells during this event. Several of the wells have minor issues including missing bolts from the well covers and missing locks.

2.2 WATER LEVEL MEASUREMENTS

Water level measurements were recorded on March 4, 2009 at the site. The top-of-casing elevations, depth-to-groundwater and calculated groundwater elevations are provided in **Table 1**. As a result of previous construction activities and the relocation of several wells at the site, top-of-casing elevations for wells have

changed from the original surveyed elevations. A survey of all wells on the site was conducted in October 2008. Results of the survey have been incorporated into **Table 1** and were used to prepare a groundwater contour map, showing the groundwater elevations measured during the March 2009 event (**Figure 3**). Groundwater at the site appears to be flowing in a southeasterly direction.

No free-phase petroleum hydrocarbons (free product) were detected in any wells during the March 2009 sampling event. Free product has not been observed at the site since September 2003. Well VEW-1 had 0.5 feet of free product at that time. Free product has not been detected in any other wells at the site since 2000.

2.3 GROUNDWATER SAMPLING

2.3.1 Methodology

Groundwater sampling was conducted at the Day Tank 1 site on March 4, 2009. Four monitoring wells (CEF-293-02, CEF-293-09, CEF-293-13 and CEF-293-22) and eight former vapor extraction wells (VEW-1, VEW-2, VEW-3, VEW-4, VEW-5, VEW-6, VEW-7 and VEW-8) were purged and sampled using low-flow methodology.

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

Groundwater sampling was conducted in general accordance with applicable state and local guidelines, and the Solutions-IES Work Plan (February 2008; Revision 01 dated September 24, 2008). All samples collected were stored on ice and delivered to Accutest Laboratory, a Florida-certified and National Environmental Laboratory Accreditation Program (NELAP) certified laboratory, located in Orlando, Florida, via courier, under chain-of-custody procedures.

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-003-030209). The drum was staged in the IDW Storage Building (Building 536). The NAS Jacksonville Public Works Department (PWD-JAX) was notified on March 9, 2009, that the drum was being kept in the building. The non-hazardous data package for disposal of the March 2009 IDW was forwarded to PWD-JAX on April 16, 2009.

3.0 SAMPLING AND ANALYTICAL RESULTS

3.1 DATA VALIDATION

Accutest data analysts validated all data according to laboratory standard operating procedures (SOPs). None of the data was rejected as a result of the data validation. However, as indicated in the laboratory case narrative, several QC samples were outside control limits for 2-chloroethyl vinyl ether and acetone. These QC issues were described as resulting from matrix interference or sample homogeneity. The validation process also resulted in several data qualifiers. These are shown with the analyte concentrations in **Table 3**.

A limited data validation was also performed by Solutions-IES which evaluated data completeness, holding time compliance, laboratory blank contamination and detection limits. Naphthalene was detected in the associated method blank for samples VEW-2 and VEW-4 as part of the EPA Method 8260B analysis. However, this does not appear to have affected the naphthalene results for these two wells as the concentrations are consistent with historic data. No other issues were identified.

3.2 FIELD PARAMETER SUMMARY

Field parameters including DO, temperature, pH, conductivity, turbidity and ORP were measured and recorded during well purging. DO measurements were collected with a DO meter and a flow through cell while purging and confirmed with a CHEMetrics® field kit at the time of sample collection. The field measurements indicate that DO concentrations at the Day Tank 1 site are relatively low with most of the wells exhibiting values between 0.1 to 1.0 mg/L in March 2009. The low values suggest that the groundwater at the site is probably anaerobic.

ORP is a measure of electron activity of the groundwater. Positive ORP values indicate that an oxidative environment exists in the aquifer and negative ORP values indicate a reducing environment. The ORP measurements collected at the site range from -103.0 to 128.2.

The pH values measured at the site in March 2009 range from 4.25 to 6.22. These values are generally consistent with historical values measured at the site. Temperature, conductivity and turbidity values recorded in March 2009 are also generally consistent with historical site values.

3.3 LABORATORY ANALYTICAL RESULTS

Well locations and constituent concentrations in excess of the regulatory limits are shown on **Figure 4**. Benzene, naphthalene, isopropylbenzene, xylenes, 1-methylnaphthalene, 2-methylnaphthalene and 1,2,4-trimethylbenzene were detected above the groundwater clean-up target levels (GCTLs) in March 2009. Naphthalene (via Method 8260) was the only constituent that exceeded the Natural Attenuation Default Source Concentration (NADSC) and this occurred in one well, VEW-7, during this event. A summary of the exceedances is provided below.

- Benzene was detected above the GCTL of 1 μg/L in well VEW-7.
- Isopropylbenzene was detected above the GCTL of 0.8 μg/L in wells CEF-293-02, CEF-293-09, VEW-1, VEW-2, VEW-3, VEW-4, VEW-6, VEW-7 and VEW-8. A graph of historical isopropylbenzene concentrations is provided in **Figure 5**.
- Naphthalene (EPA Method 8260B) was detected above the GCTL of 14 μg/L in wells CEF-293-02, CEF-293-09, VEW-4 and VEW-8; and was detected above the NADSC of 140 μg/L in well VEW-7. Naphthalene (EPA Method 8270C) was detected above the GCTL in wells VEW-4 and VEW-7. A graph of historical Naphthalene concentrations is provided in **Figure 6**.
- 1-Methylnaphthalene was detected above the GCTL of 28 μg/L in well VEW-7.
- 2-Methynaphthalene was detected above the GCTL of 28 μg/L in well VEW-7.
- 1,2,4 trimethylbenzene was detected above the GCTL of 10 μg/L in wells CEF-293-02, VEW-3, VEW-4 and VEW-7.
- Xylenes were detected above the GCTL of 20 μg/L in VEW-7.

No other constituents of concern were detected above their respective GCTLs. The laboratory analytical results are summarized in **Table 3**. A graph of historical contaminant concentrations in well VEW-7, the most impacted well at the site, is provided in **Figure 7**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

March 2009 water level data suggests that groundwater at this site flows in a southeasterly direction. No free product has been detected in any of the site monitoring wells since 2003. The concentrations of constituents of concern in well VEW-7 increased during this event but are consistent with historical results. Xylenes were detected above the GCTL for the first time since March 2006, and concentrations of 1-methylnaphthalene and 2-methylnaphthalene were above the GCTL for the first time since April 2007. In addition, naphthalene was detected above the NADSC via method 8260B in well VEW-7. The concentration of naphthalene increased to above the GCTL in several wells during the March event.

No changes have been made to the Natural Attenuation Monitoring Plan Approval Order since Solutions-IES was awarded this contract in January 2008. The March 2009 sampling was conducted in general accordance with the Order and previous sampling events. Based on analytical results obtained to date, Solutions-IES recommends continuing semi-annual water level measurements and groundwater sampling. Solutions-IES recommends eliminating free product measurements since free product has not been detected in over 5 years.

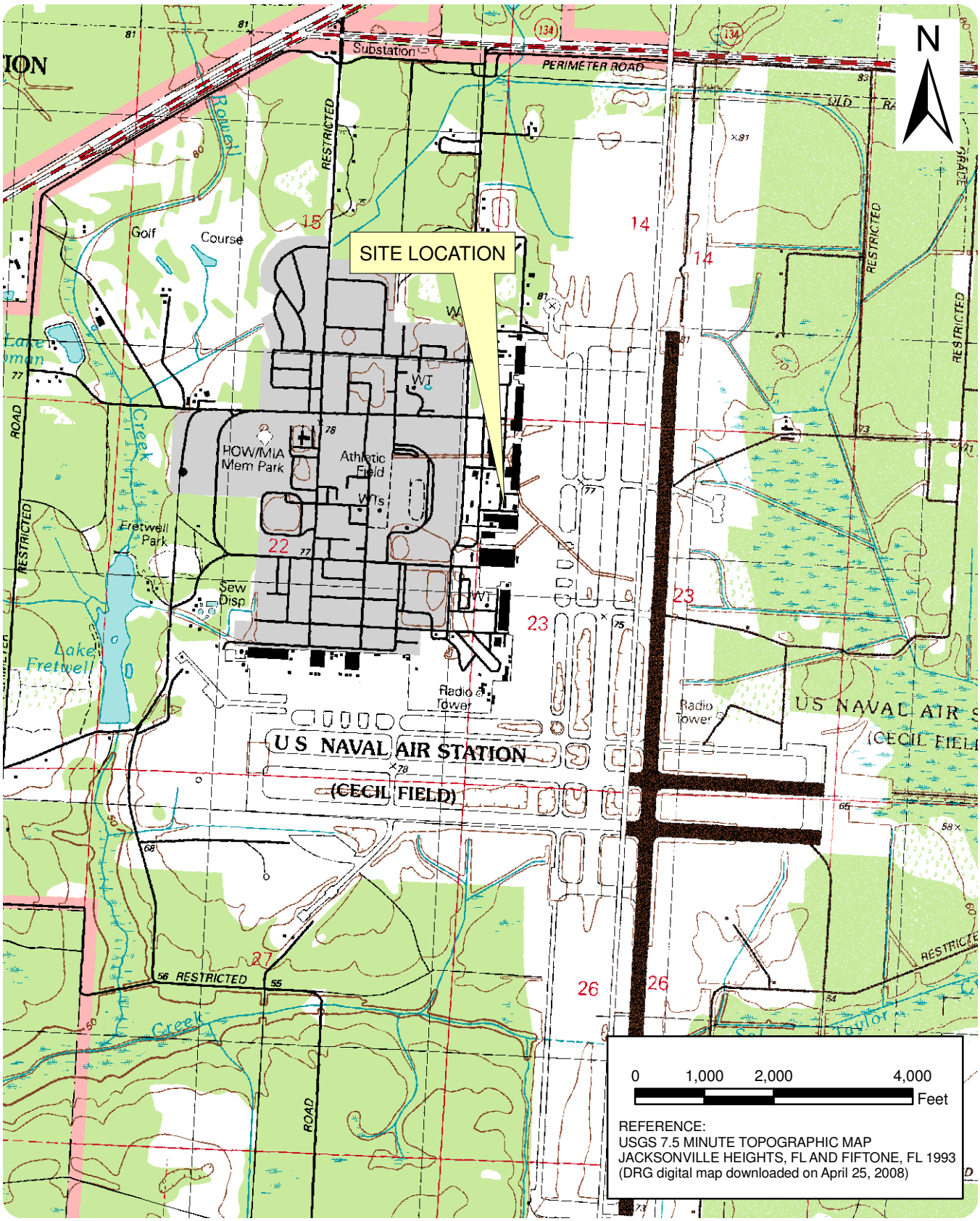
5.0 REFERENCES

ABB Environmental Services, Inc, 1997. *Remedial Action Plan Day Tank 1, Facility 293, Naval Air Station Cecil Field, Jacksonville, Florida.* January 1997.

CH2MHILL, 2009. *Work Plan Revision for Biosparge/Soil Vapor Extraction Treatment System Decommission and Disposal.* March 2009.

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

FIGURES



PROJECT NUMBER	DRAFTER	CHECKED BY	PROJECT MANAGER	DATE	FILE
4080.08A2.CECI	JC	JD	BR	11/07/08	DayTank1.mxd

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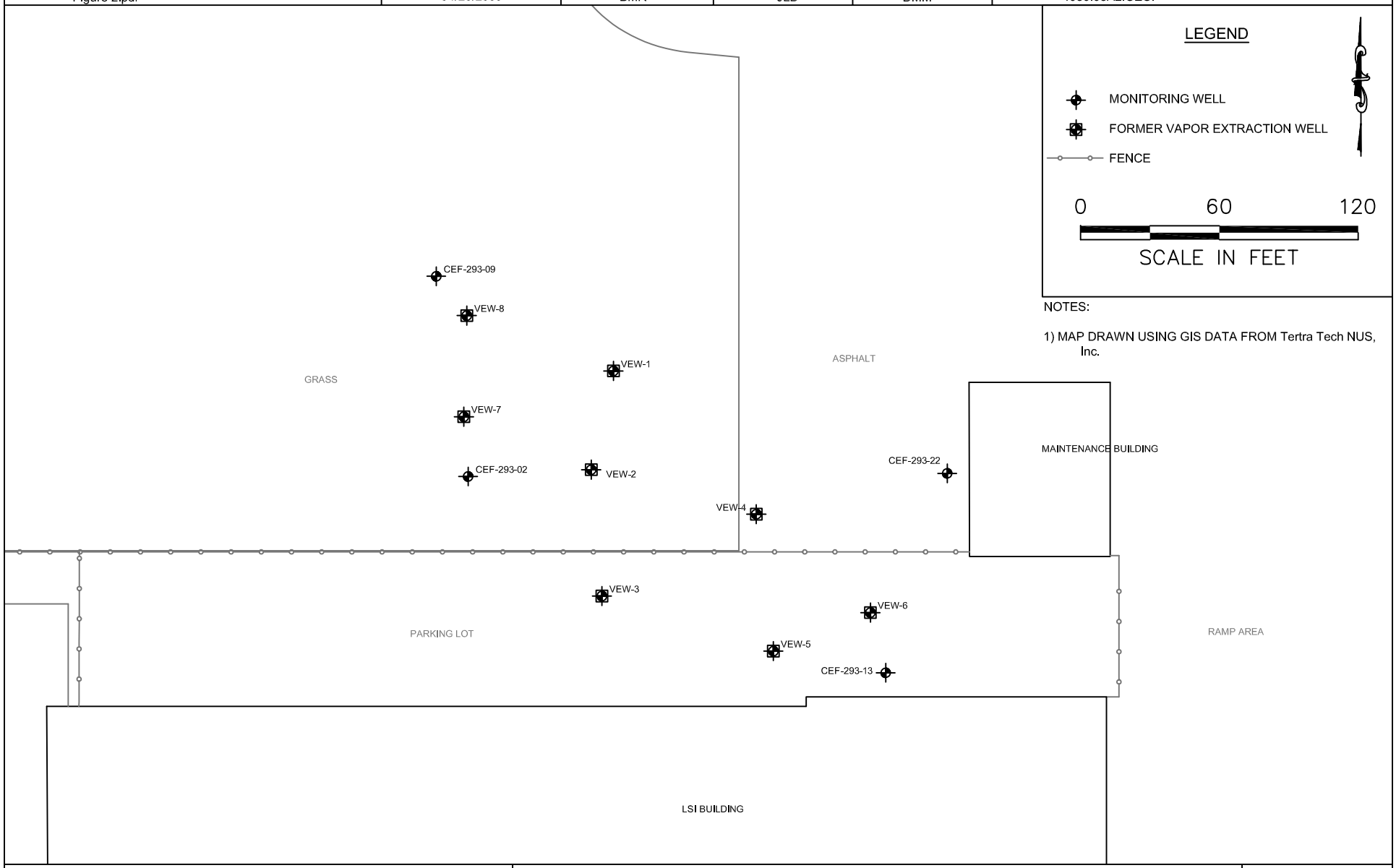
SITE LOCATION MAP
DAY TANK 1 - NAS CECIL FIELD
JACKSONVILLE, FL

FIGURE:
1

FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
Figure 2.pdf	04/20/2009	BMR	JLD	DMM	4080.08A2.CECI



NOTES:

1) MAP DRAWN USING GIS DATA FROM Tertra Tech NUS, Inc.

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WELL LOCATION MAP
DAY TANK 1 - NAS CECIL FIELD
JACKSONVILLE, FLORIDA
MARCH 2009

FIGURE:

2

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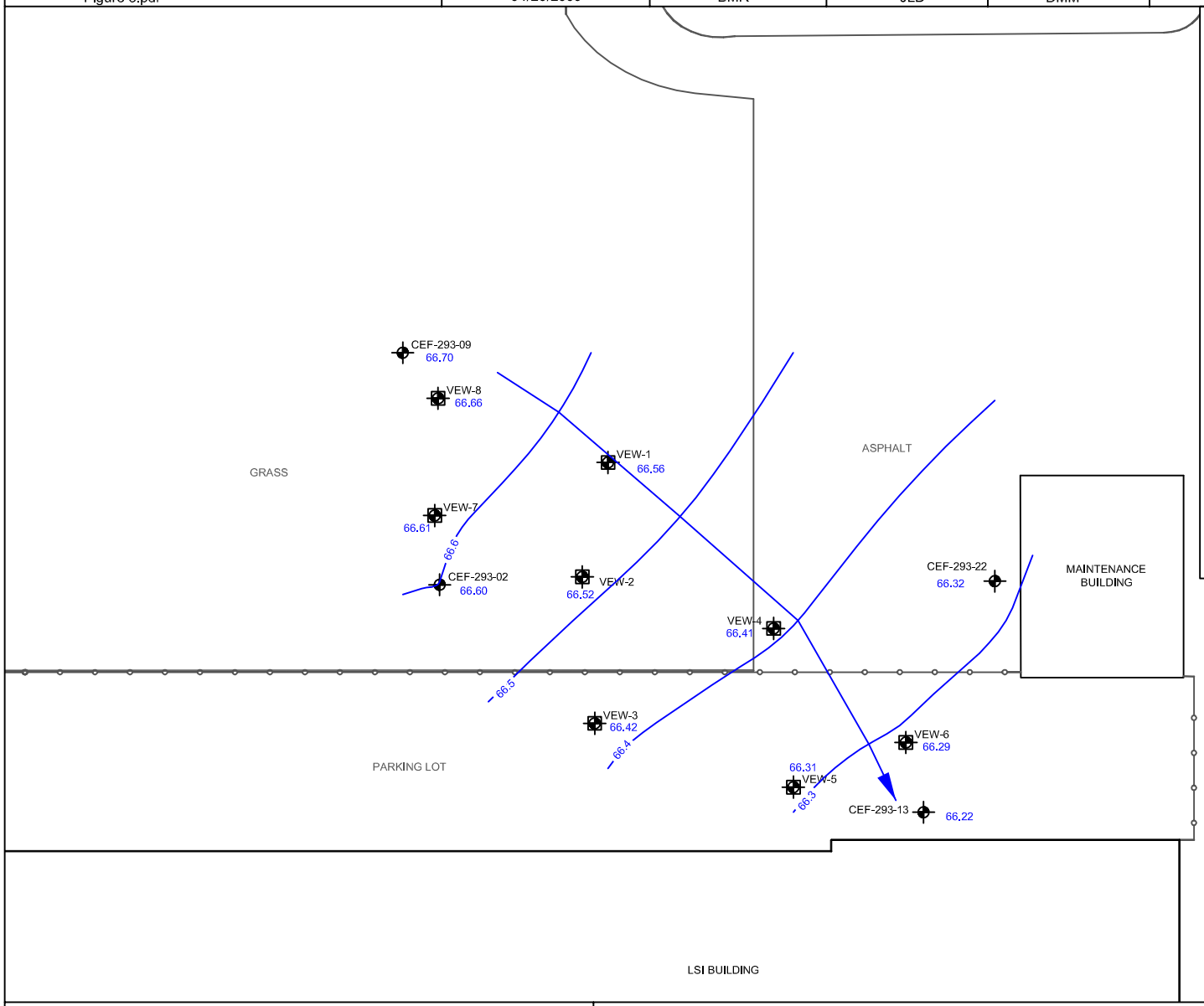
FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
Figure 3.pdf	04/20/2009	BMR	JLD	DMM	4080.08A2.CECI



LEGEND

- MONITORING WELL
- FORMER VAPOR EXTRACTION WELL
- 66.4 GROUNDWATER CONTOUR
- IMPLIED DIRECTION OF GROUNDWATER FLOW
- 66.31 GROUNDWATER ELEVATION (ft amsl)
- FENCE

0 60 120

SCALE IN FEET

NOTES:

1) WATER LEVELS MEASURED ON 3/4/2009
2) WELL LOCATIONS ARE APPROXIMATE AND BASED ON SURVEY DATA.
3) MAP DRAWN USING GIS DATA FROM Tertra Tech NUS, Inc.

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

FIGURE: 3

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FILE	DATE	PROJECT MANAGER	CHECKED BY	DRAFTER	PROJECT NUMBER
Figure 4.pdf	04/20/2009	BMR	JLD	DMM	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.

ASPHALT

CEF-293-09

	9/12/2007	3/5/2008	10/11/2008	3/4/2009
Naphthalene (8270) (µg/L)	39.1	9.48	6.0	5.9
Naphthalene (8260) (µg/L)	40.2	11.6	9.2	16.6
2 - Methylnaphthalene (µg/L)	28.8	16.4	13.0	15.3
1,2,4 - Trimethylbenzene (µg/L)	30.6	<0.516	0.76	1.9
Isopropylbenzene (µg/L)	7.9	2.66	1.7	2.3

VEW-8

	9/12/2007	3/5/2008	10/11/2008	3/4/2009
Naphthalene (8260) (µg/L)	14.7	7.22	7.4	28.7
Isopropylbenzene (µg/L)	3.26	2.06	1.50	5.40

VEW-7

	9/12/2007	3/5/2008	10/11/2008	3/4/2009
Benzene (µg/L)	0.930	0.410	0.82	1.5
Naphthalene (8270) (µg/L)	33.6	18.7	35.8	62.1
Naphthalene (8260) (µg/L)	159	33.8	99.7	148
1 - Methylnaphthalene (µ/L)	10.4	8.42	18.2	30.6
2 - Methylnaphthalene (µg/L)	14.4	9.70	23.3	41.8
1,2,4 - Trimethylbenzene (µg/L)	23.4	9.13	31.1	37.3
1,3,5 - Trimethylbenzene (µg/L)	10.2	1.35	5.8	7.6
Xylenes (µg/L)	3.67	3.84	12.8	24.5
Isopropylbenzene (µg/L)	7.07	3.34	5.7	7.5

VEW-1

	9/12/2007	3/5/2008	10/11/2008	3/4/2009
1,2,4-Trimethylbenzene (µg/L)	17.1	5.01	13.8	7.6
Isopropylbenzene (µg/L)	1.97	1.11	3.3	2.1

VEW-2

	9/13/2007	3/5/2008	10/11/2008	3/4/2009
Isopropylbenzene (µg/L)	2.46	1.45	3.1	1.3

VEW-4

	9/12/2007	3/5/2008	10/11/2008	3/4/2009
Naphthalene (8270) (µg/L)	47.5	29.9	4.4	14.6
Naphthalene (8260) (µg/L)	78.7	33.4	16.5	28.4
1,2,4 - Trimethylbenzene (µg/L)	67.4	28.0	18.1	38.6
Isopropylbenzene (µg/L)	10.0	4.74	4.8	5.9

VEW-6

	9/12/2007	3/5/2008	10/11/2008	3/4/2009
1,2,4-Trimethylbenzene (µg/L)	ND	0.780	31.1	1.1
Isopropylbenzene (µg/L)	5.28	3.97	<0.20	1.3

CEF-293-02

	9/12/2007	3/5/2008	10/11/2008	3/4/2009
Naphthalene (8270) (µg/L)	24.1	<0.10	0.81	10.6
Naphthalene (8260) (µg/L)	23.5	<0.452	1.8	16.8
1,2,4 - Trimethylbenzene (µg/L)	2.93	<0.516	4.4	11.9
Isopropylbenzene (µg/L)	2.09	<0.365	1.2	2.2

VEW-3

	9/13/2007	3/5/2008	10/11/2008	3/4/2009
1,2,4 - Trimethylbenzene (µg/L)	6.85	9.70	9.8	22.5
Isopropylbenzene (µg/L)	1.10	2.99	2.5	3.3

CEF-293-13

	9/13/2007	3/5/2008	10/11/2008	3/4/2009
Isopropylbenzene (µg/L)	7.30	2.24	0.28	<0.20

VEW-5

	9/13/2007	3/5/2008	10/11/2008	3/4/2009
Isopropylbenzene (µg/L)	ND	<0.365	6.1	<0.20

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

FIGURE: 4

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FIGURE 5
Historical Isopropylbenzene Concentrations in Select Wells

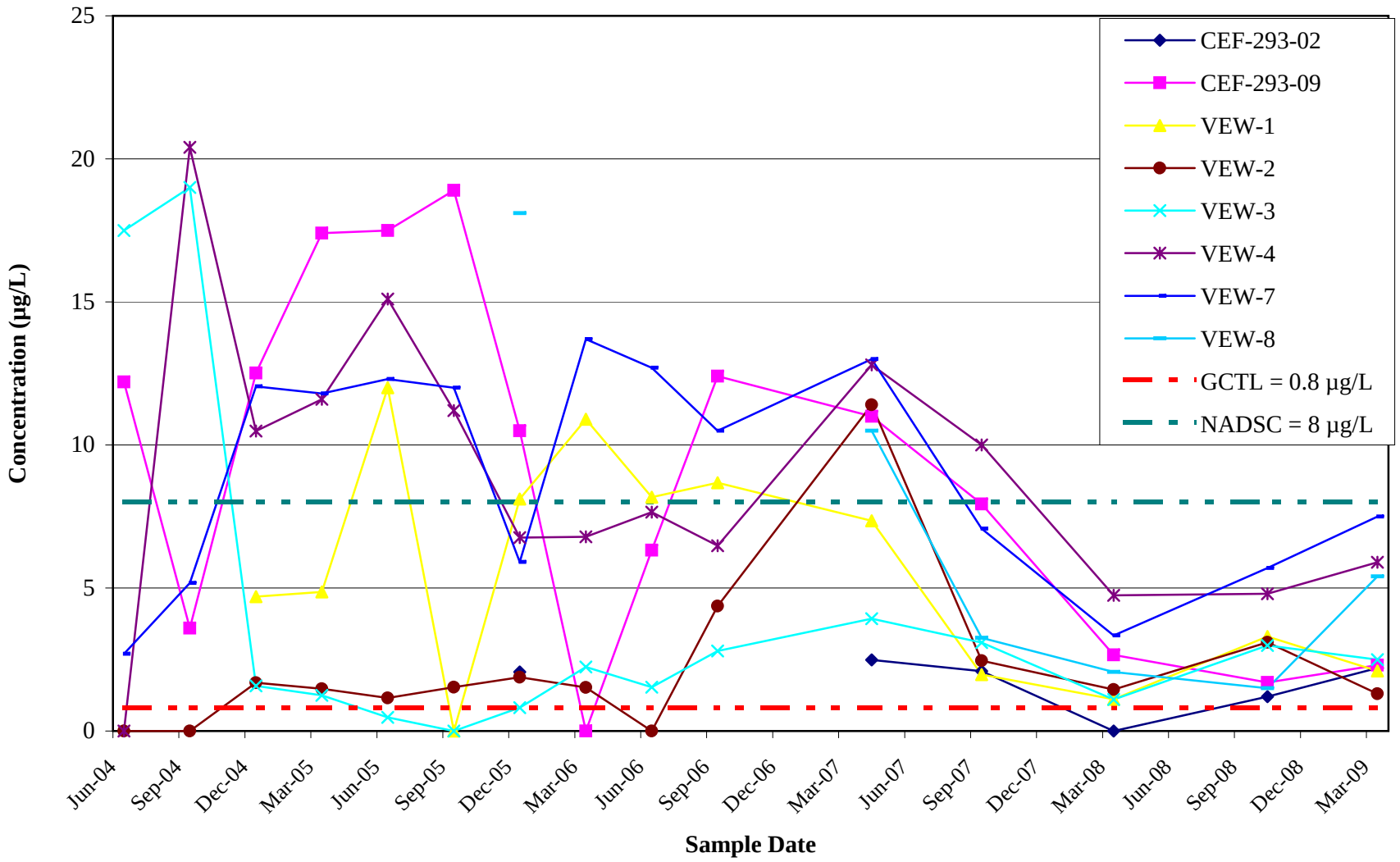


FIGURE 6
Naphthalene Concentrations (By EPA Method 8260B) in Select Wells

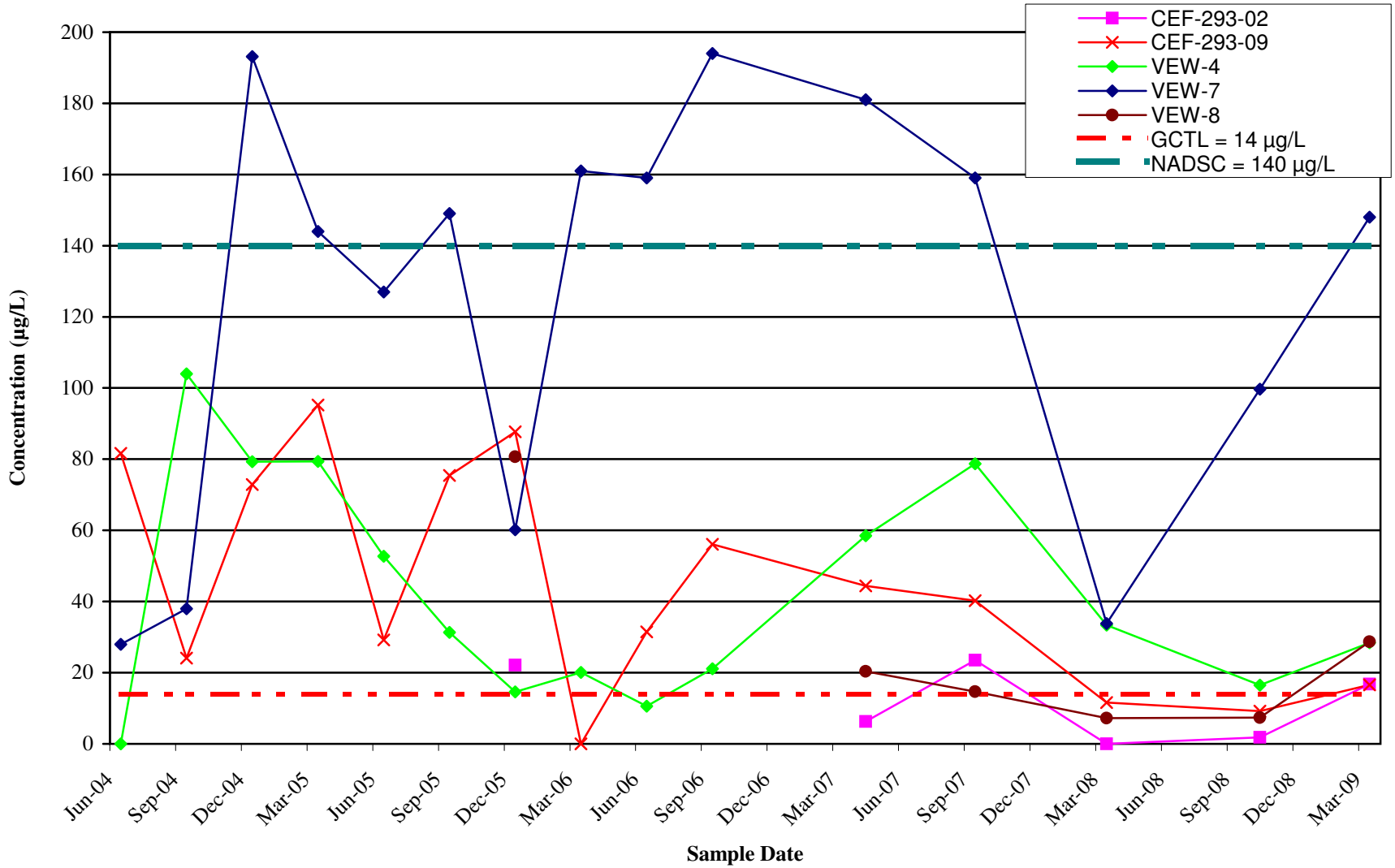
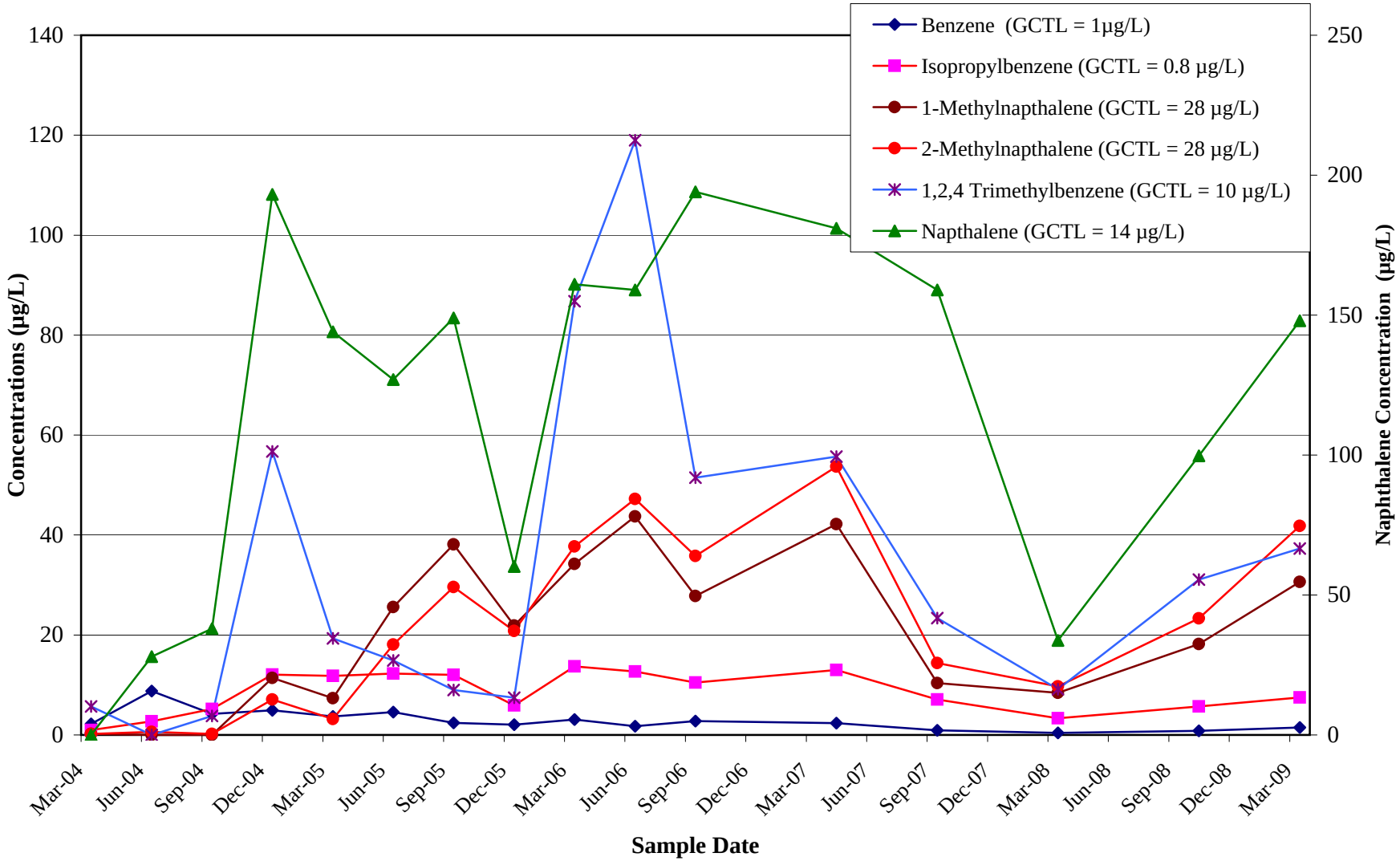


FIGURE 7
Historical Contaminant Concentrations in VEW-7



TABLES

TABLE 1
GROUNDWATER ELEVATION AND FREE PRODUCT DATA

Day Tank 1
NAS Cecil Field
Jacksonville, Florida

Well ID	Date Measured	Top of Casing Elevation (ft amsl)	Depth to Product (ft btoc)	Depth to Groundwater (ft btoc)	Product Thickness (ft)	Groundwater Elevation (ft amsl)
CEF-293-02	12/08/05	NA	none present	8.60	0.00	NA
	04/18/07		none present	10.25	0.00	NA
	06/20/07		none present	9.72	0.00	NA
	09/12/07		none present	9.37	0.00	NA
	03/05/08		none present	8.44	0.00	NA
	10/11/08	75.57	none present	7.75	0.00	67.82
	03/04/09		none present	8.97	0.00	66.60
CEF-293-09	06/13/00	77.36	none present	9.93	0.00	67.43
	03/11/03		none present	6.09	0.00	71.27
	06/06/03		none present	7.85	0.00	69.51
	09/02/03		none present	7.29	0.00	70.07
	12/12/03		none present	9.62	0.00	67.74
	03/17/04		none present	9.84	0.00	67.52
	06/09/04		none present	9.83	0.00	67.53
	09/20/04		none present	6.30	0.00	71.06
	12/02/04		none present	8.75	0.00	68.61
	03/11/05		none present	8.79	0.00	68.57
	06/08/05		none present	8.65	0.00	68.71
	09/08/05		none present	7.08	0.00	70.28
	12/08/05		none present	8.72	0.00	68.64
	03/28/06		none present	8.90	0.00	68.46
	06/08/06		none present	9.86	0.00	67.50
	09/24/06		none present	9.95	0.00	67.41
	04/18/07		none present	11.13	0.00	66.23
	06/20/07		NM	NM	NM	NM
	09/12/07		none present	10.28	0.00	67.08
	03/05/08		none present	9.35	0.00	68.01
	10/11/08	76.55	none present	8.67	0.00	67.88
	03/04/09		none present	9.85	0.00	66.70
CEF-293-13	12/08/05	75.97	none present	7.92	0.00	68.05
	04/19/07		none present	9.53	0.00	66.44
	06/20/07		none present	8.99	0.00	66.98
	09/13/07		none present	8.64	0.00	67.33
	03/05/08		none present	7.80	0.00	68.17
	10/11/08	74.51	none present	7.19	0.00	67.32
	03/04/09		none present	8.29	0.00	66.22
CEF-293-22	06/13/00	75.95	none present	8.88	0.00	67.07
	03/11/03		none present	8.33	0.00	67.62
	06/07/03		none present	7.00	0.00	68.95
	09/02/03		none present	6.34	0.00	69.61
	12/12/03		none present	8.65	0.00	67.30
	03/17/04		none present	8.80	0.00	67.15
	06/09/04		none present	8.56	0.00	67.39
	09/20/04		none present	5.60	0.00	70.35
	12/02/04		none present	7.90	0.00	68.05
	03/11/05		none present	7.90	0.00	68.05
	06/08/05		none present	7.71	0.00	68.24
	09/08/05		none present	6.31	0.00	69.64
	12/08/05		none present	7.79	0.00	68.16
	03/28/06		none present	7.98	0.00	67.97
	06/08/06		none present	8.82	0.00	67.13
	09/24/06		none present	8.84	0.00	67.11
	04/18/07		none present	9.36	0.00	66.59
	06/20/07		none present	8.85	0.00	67.10
	09/12/07		none present	8.54	0.00	67.41
	03/05/08		none present	7.68	0.00	68.27
	10/11/08	74.48	none present	7.06	0.00	67.42
	03/04/09		none present	8.16	0.00	66.32

TABLE 1
GROUNDWATER ELEVATION AND FREE PRODUCT DATA

Day Tank 1
NAS Cecil Field
Jacksonville, Florida

Well ID	Date Measured	Top of Casing Elevation (ft amsl)	Depth to Product (ft btoc)	Depth to Groundwater (ft btoc)	Product Thickness (ft)	Groundwater Elevation (ft amsl)
VEW-1	06/13/00	NA	8.6	10.89	2.29	NA
	03/11/03		5.08	5.80	0.72	NA
	06/07/03		6.9	7.40	0.50	NA
	09/02/03		4.4	4.90	0.50	NA
	12/12/03		none present	NM	0.00	NA
	03/17/04		none present	NM	0.00	NA
	06/09/04		none present	8.40	0.00	NA
	09/20/04		none present	4.90	0.00	NA
	12/02/04		none present	7.44	0.00	NA
	03/11/05		none present	7.39	0.00	NA
	06/08/05		none present	7.24	0.00	NA
	09/08/05		none present	5.63	0.00	NA
	12/08/05		none present	7.32	0.00	NA
	03/28/06		none present	7.58	0.00	NA
	06/08/06		none present	8.40	0.00	NA
	09/24/06		none present	8.44	0.00	NA
	04/18/07		none present	8.94	0.00	NA
	06/20/07		none present	8.39	0.00	NA
	09/12/07		none present	8.10	0.00	NA
	03/05/08		none present	7.17	0.00	NA
	10/11/08	74.25	none present	6.53	0.00	67.72
	03/04/09		none present	7.69	0.00	66.56
VEW-2	06/13/00	75.86	7.5	13.02	5.52	62.84
	03/11/03		none present	4.71	0.00	71.15
	06/07/03		none present	6.50	0.00	69.36
	09/02/03		none present	5.96	0.00	69.90
	12/12/03		none present	11.04	0.00	64.82
	03/17/04		none present	8.40	0.00	67.46
	06/09/04		none present	8.54	0.00	67.32
	09/20/04		none present	5.01	0.00	70.85
	12/02/04		none present	7.61	0.00	68.25
	03/11/05		none present	7.52	0.00	68.34
	06/08/05		none present	7.39	0.00	68.47
	09/08/05		none present	5.81	0.00	70.05
	12/08/05		none present	7.32	0.00	68.54
	03/28/06		none present	7.66	0.00	68.20
	06/08/06		none present	8.58	0.00	67.28
	09/24/06		none present	9.63	0.00	66.23
	04/18/07		none present	9.11	0.00	66.75
	06/20/07		none present	8.59	0.00	67.27
	09/12/07		none present	8.24	0.00	67.62
	03/05/08		none present	7.33	0.00	68.53
	10/11/08	74.38	none present	6.88	0.00	67.50
	03/04/09		none present	7.86	0.00	66.52
VEW-3	06/13/00	75.28	none present	8.05	0.00	67.23
	12/11/02		none present	6.23	0.00	69.05
	03/11/03		none present	4.07	0.00	71.21
	06/06/03		none present	6.10	0.00	69.18
	09/02/03		none present	5.35	0.00	69.93
	12/12/03		none present	7.80	0.00	67.48
	03/17/04		none present	8.02	0.00	67.26
	06/09/04		none present	8.01	0.00	67.27
	09/20/04		none present	4.30	0.00	70.98
	12/02/04		none present	7.10	0.00	68.18
	03/11/05		none present	7.05	0.00	68.23
	06/08/05		none present	6.90	0.00	68.38
	09/08/05		none present	5.35	0.00	69.93
	12/08/05		none present	6.90	0.00	68.38
	03/28/06		none present	7.15	0.00	68.13
	06/08/06		none present	8.01	0.00	67.27
	09/24/06		none present	8.09	0.00	67.19
	04/16/07		none present	8.61	0.00	66.67
	06/20/07		none present	8.09	0.00	67.19
	09/13/07		none present	7.73	0.00	67.55
	03/05/08		none present	6.83	0.00	68.45
	10/11/08	73.74	none present	6.14	0.00	67.60
	03/04/09		none present	7.32	0.00	66.42

TABLE 1
GROUNDWATER ELEVATION AND FREE PRODUCT DATA

Day Tank 1
NAS Cecil Field
Jacksonville, Florida

Well ID	Date Measured	Top of Casing Elevation (ft amsl)	Depth to Product (ft btoc)	Depth to Groundwater (ft btoc)	Product Thickness (ft)	Groundwater Elevation (ft amsl)
VEW-4	06/13/00	75.54	none present	8.38	0.00	67.16
	03/11/03		none present	4.66	0.00	70.88
	06/07/03		none present	6.50	0.00	69.04
	09/02/03		none present	5.80	0.00	69.74
	12/12/03		none present	8.12	0.00	67.42
	03/17/04		none present	8.30	0.00	67.24
	06/09/04		none present	8.37	0.00	67.17
	09/20/04		none present	4.95	0.00	70.59
	12/02/04		none present	7.50	0.00	68.04
	03/11/05		none present	7.45	0.00	68.09
	06/08/05		none present	7.20	0.00	68.34
	09/08/05		none present	5.74	0.00	69.80
	12/08/05		none present	7.32	0.00	68.22
	03/28/06		none present	7.50	0.00	68.04
	06/08/06		none present	8.34	0.00	67.20
	09/24/06		none present	9.40	0.00	66.14
	04/18/07		none present	8.90	0.00	66.64
	06/20/07		none present	8.40	0.00	67.14
	09/12/07		none present	8.03	0.00	67.51
	03/05/08		none present	7.18	0.00	68.36
	10/11/08	74.07	none present	6.52	0.00	67.55
	03/04/09		none present	7.66	0.00	66.41
VEW-5	06/13/00	74.63	none present	7.53	0.00	67.10
	03/11/03		none present	3.80	0.00	70.83
	06/06/06		none present	6.75	0.00	67.88
	09/02/03		none present	4.95	0.00	69.68
	12/12/03		none present	7.40	0.00	67.23
	03/17/04		none present	7.50	0.00	67.13
	06/09/04		none present	7.55	0.00	67.08
	09/20/04		none present	4.10	0.00	70.53
	12/02/04		none present	6.80	0.00	67.83
	03/11/05		none present	6.25	0.00	68.38
	06/08/05		none present	6.10	0.00	68.53
	09/08/05		none present	4.70	0.00	69.93
	12/08/05		none present	6.20	0.00	68.43
	03/28/06		none present	6.35	0.00	68.28
	06/08/06		none present	7.22	0.00	67.41
	09/24/06		none present	7.30	0.00	67.33
	04/19/07		none present	7.80	0.00	66.83
	06/20/07		none present	7.27	0.00	67.36
	09/13/07		none present	6.93	0.00	67.70
	03/05/08		none present	6.08	0.00	68.55
	10/11/08	72.84	none present	5.42	0.00	67.42
	03/04/09		none present	6.53	0.00	66.31
VEW-6	12/08/05	74.31	none present	6.20	0.00	68.11
	04/19/07		none present	8.80	0.00	65.51
	06/20/07		none present	7.26	0.00	67.05
	09/13/07		none present	6.92	0.00	67.39
	03/05/08		none present	6.08	0.00	68.23
	10/11/08	72.84	none present	5.44	0.00	67.40
	03/04/09		none present	6.55	0.00	66.29
VEW-7	06/13/00	76.44	none present	9.06	0.00	67.38
	03/11/03		none present	5.01	0.00	71.43
	06/07/03		none present	6.97	0.00	69.47
	09/04/03		none present	6.45	0.00	69.99
	12/12/03		none present	8.90	0.00	67.54
	03/17/04		none present	9.00	0.00	67.44
	06/09/04		none present	8.99	0.00	67.45
	09/20/04		none present	5.39	0.00	71.05
	12/02/04		none present	8.37	0.00	68.07
	03/11/05		none present	7.96	0.00	68.48
	06/08/05		none present	7.90	0.00	68.54
	09/08/05		none present	6.25	0.00	70.19
	12/08/05		none present	7.91	0.00	68.53
	03/28/06		none present	8.00	0.00	68.44
	06/08/06		none present	9.03	0.00	67.41
	09/24/06		none present	9.11	0.00	67.33
	04/18/07		none present	9.67	0.00	66.77
	06/20/07		none present	9.07	0.00	67.37
	09/12/07		none present	8.71	0.00	67.73
	03/05/08		none present	7.80	0.00	68.64
	10/11/08	74.94	none present	7.12	0.00	67.82
	03/04/09		none present	8.33	0.00	66.61
VEW-8	12/08/05	76.43	none present	7.84	0.00	68.59
	04/18/07		none present	9.55	0.00	66.88
	06/20/07		none present	8.98	0.00	67.45
	09/12/07		none present	8.65	0.00	67.78
	03/05/08		none present	7.74	0.00	68.69
	10/11/08	74.92	none present	7.08	0.00	67.84
	03/04/09		none present	8.26	0.00	66.66

Notes: ft amsl - feet above mean sea level NM - not measured
ft btoc - feet below top of casing

TABLE 2
FIELD AND NATURAL ATTENUATION 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	12/8/2005	5.35	310	--	1.60	83.20	22.82
	4/18/2007	4.40	155	--	0.24	-65.00	22.25
	9/12/2007	5.19	170	--	0.40	-78.90	27.46
	3/6/2008	5.06	173	179	0.50	-38.30	20.78
	10/11/2008	3.35	102	421	0.70	21.70	25.45
	3/4/2009	5.23	113	144	0.20	9.80	18.67
CEF-293-09	1/25/2000	5.99	88	--	NM	NM	21.40
	3/11/2003	5.90	290	--	4.29	177.00	20.85
	6/6/2003	6.00	472	--	0.00	-26.00	23.26
	9/2/2003	5.84	730	--	0.93	-90.00	26.10
	12/12/2003	5.86	998	--	0.01	-41.00	23.22
	3/17/2004	5.40	279	--	1.00	NM	21.10
	6/9/2004	5.61	280	--	0.26	-109.60	24.03
	9/20/2004	5.66	283	--	0.15	-148.80	25.79
	12/2/2004	5.82	342	--	0.19	-196.90	24.97
	3/11/2005	8.34	240	--	1.49	-118.00	22.08
	6/8/2005	5.44	263	--	0.23	-196.50	23.67
	9/8/2005	5.25	526	--	0.69	-249.90	25.97
	12/8/2005	5.84	343	--	0.72	-34.50	22.72
	3/28/2006	4.76	285	--	0.27	3.50	22.23
	6/8/2006	4.52	262	--	0.45	25.90	26.00
	9/24/2006	5.28	243	--	0.32	-93.80	26.62
	4/18/2007	5.50	234	--	0.56	-160.90	22.48
	9/12/2007	5.50	270	--	1.26	-86.20	28.55
	3/6/2008	5.60	275	78.4	0.95	-95.00	22.54
	10/11/2008	5.60	224	21.2	0.12	-148.40	27.77
	3/4/2009	5.46	186	7.9	0.20	-8.40	19.50
CEF-293-13	12/8/2005	5.38	322	--	0.95	124.00	22.88
	4/19/2007	4.67	190	--	0.69	33.30	21.04
	9/13/2007	5.29	165	--	0.83	42.90	27.82
	3/5/2008	4.91	137	3.06	0.79	-41.60	21.24
	10/11/2008	3.04	181	0.59	1.82	16.70	27.00
	3/4/2009	5.16	158	4	0.80	56.40	18.51
CEF-293-22	1/25/2000	6.44	126	--	NM	NM	23.00
	3/11/2003	3.95	508	--	3.13	193.00	21.50
	6/7/2003	5.72	428	--	0.12	-20.00	25.90
	9/2/2003	5.57	929	--	0.72	52.00	28.75
	12/12/2003	5.63	626	--	4.24	99.00	24.35
	3/17/2004	5.71	480	--	NM	74.00	23.01
	6/9/2004	4.96	172	--	0.90	15.00	25.32
	9/20/2004	4.97	478	--	0.35	70.00	27.10
	12/2/2004	5.68	716	--	0.33	6.00	26.08
	3/11/2005	5.23	518	--	0.25	-83.30	21.87
	6/8/2005	5.41	378	--	0.09	-98.80	25.54
	9/8/2005	5.68	507	--	0.46	45.40	28.60
	12/8/2005	5.61	548	--	1.42	194.30	22.99
	3/28/2006	5.50	407	--	0.95	-77.10	22.36
	6/8/2006	4.26	252	--	0.65	132.70	26.54
	9/24/2006	4.66	250	--	0.74	-93.50	27.93
	4/18/2007	4.72	166	--	0.37	-17.90	23.62
	9/12/2007	5.11	305	--	0.77	-32.20	30.23
	3/5/2008	5.50	236	11.87	1.49	34.90	22.00
	10/11/2008	4.93	399	10	1.04	84.30	28.20
	3/4/2009	5.61	305	14.8	1.00	124.60	21.31
VEW-1	12/2/2004	5.92	302	--	0.10	-216.50	25.40
	3/11/2005	7.46	120	--	0.00	-100.00	21.55
	6/8/2005	5.16	134	--	0.08	-198.20	23.18
	9/8/2005	6.13	91	--	1.97	48.10	27.26
	12/8/2005	5.56	214	--	0.54	-24.40	22.89
	3/28/2006	5.41	149	--	0.50	-76.40	22.75
	6/8/2006	4.45	129	--	0.36	-3.20	25.29
	9/24/2006	4.62	147	--	0.40	-79.30	27.49
	4/18/2007	5.38	177	--	0.62	-129.30	21.67
	9/12/2007	5.46	191	--	0.87	-28.10	26.65
	3/5/2008	5.91	77	37.2	0.58	-52.10	21.11
	10/11/2008	5.99	238	14.1	0.43	-137.50	25.99
	3/4/2009	5.83	147	19.6	0.10	128.20	20.15

TABLE 2
FIELD AND NATURAL ATTENUATION 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)
VEW-2	1/25/2000	5.63	85	--	NM	NM	22.70
	3/11/2003	5.90	110	--	2.51	-53.00	21.10
	6/7/2003	6.09	132	--	0.00	-86.00	22.90
	9/4/2003	5.60	342	--	1.34	-163.00	26.85
	12/12/2003	5.82	563	--	4.01	23.00	22.78
	3/17/2004	5.48	172	--	0.80	NM	21.30
	6/9/2004	5.57	172	--	0.16	-75.90	23.45
	9/20/2004	6.49	777	--	0.10	-141.60	25.98
	12/2/2004	5.91	404	--	0.05	-225.70	24.79
	3/11/2005	8.53	310	--	0.98	-170.00	21.92
	6/8/2005	5.67	280	--	0.06	-209.00	23.53
	9/8/2005	5.57	710	--	0.39	-85.30	26.71
	12/8/2005	6.19	511	--	0.74	-125.60	22.10
	3/28/2006	6.10	392	--	0.62	-87.70	22.53
	6/8/2006	4.92	306	--	0.45	-122.70	23.94
	9/24/2006	5.36	295	--	0.38	-33.70	26.33
	4/18/2007	5.14	283	--	0.19	-85.40	22.76
	9/12/2007	5.59	317	--	0.69	-84.30	26.42
	3/5/2008	6.31	374	3.89	0.41	-203.40	21.57
	10/11/2008	5.85	450	69.6	1.55	55.20	25.03
	3/4/2009	6.22	372	11.3	0.20	0.20	20.23
VEW-3	1/25/2000	5.90	70	--	NM	NM	22.10
	3/11/2003	4.84	166	--	6.06	202.00	21.30
	6/7/2003	5.61	159	--	0.34	30.00	25.10
	9/2/2003	5.06	306	--	0.51	NM	27.40
	12/12/2003	5.10	354	--	0.66	-223.00	24.60
	3/17/2004	5.40	398	--	NM	176.00	21.80
	6/9/2004	4.70	145	--	0.42	70.00	25.63
	9/20/2004	5.62	137	--	0.00	-42.00	27.32
	12/2/2004	5.39	341	--	0.45	32.00	25.51
	3/11/2005	5.01	275	--	0.31	-10.30	22.06
	6/8/2005	4.91	145	--	0.82	-9.90	26.13
	9/8/2005	5.33	315	--	1.65	-156.20	23.50
	12/8/2005	5.47	369	--	1.10	164.60	23.83
	3/28/2006	4.56	221	--	0.50	65.10	23.85
	6/8/2006	4.79	247	--	0.62	-132.10	26.75
	9/24/2006	4.52	222	--	0.83	-100.50	27.91
	4/19/2007	5.10	205	--	0.58	-125.10	22.90
	6/20/2007	5.05	154	--	0.83	-106.70	26.19
	9/12/2007	5.14	136	--	0.82	10.10	28.25
	3/5/2008	5.04	132	2.02	0.44	-85.70	23.38
	10/11/2008	3.80	185	1.1	2.94	2.30	28.06
	3/4/2009	5.09	155	0.9	0.20	9.30	21.59
VEW-4	1/25/2000	5.59	78	--	NM	NM	23.00
	3/11/2003	4.35	126	--	5.85	190.00	22.40
	6/7/2003	5.60	109	--	0.00	-41.00	25.10
	9/2/2003	5.35	277	--	0.00	106.00	27.53
	12/12/2003	5.37	358	--	0.28	182.00	24.34
	3/17/2004	5.17	316	--	NM	200.00	22.73
	6/9/2004	4.63	128	--	0.57	210.00	25.43
	9/20/2004	5.15	282	--	0.07	-46.10	27.60
	12/2/2004	4.83	683	--	0.27	103.20	26.27
	3/11/2005	4.39	393	--	0.24	44.90	22.55
	6/8/2005	4.69	203	--	0.05	64.30	26.93
	9/8/2005	5.24	254	--	0.30	150.80	29.26
	12/8/2005	4.93	232	--	1.00	237.90	23.27
	3/28/2006	4.95	221	--	0.57	-94.30	23.40
	6/8/2006	3.65	223	--	0.50	256.30	27.25
	9/24/2006	4.57	210	--	0.46	202.60	28.47
	4/18/2007	4.54	142	--	0.62	0.70	23.88
	9/12/2007	4.45	130	--	0.75	-32.10	29.15
	3/5/2008	4.76	123	5.17	0.68	-82.60	22.61
	10/11/2008	4.65	226	4.98	0.59	-27.90	28.47
	3/4/2009	5.01	146	1.98	0.3	128.0	21.34

TABLE 2
FIELD AND NATURAL ATTENUATION 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)
VEW-5	1/25/2000	6.28	113	--	NM	NM	21.50
	3/11/2003	4.35	104	--	5.25	227.00	20.70
	6/6/2003	5.10	122	--	0.02	40.00	24.70
	9/2/2003	4.84	319	--	0.08	158.00	27.69
	12/12/2003	4.68	278	--	0.36	-214.00	23.62
	3/17/2004	5.00	245	--	NM	232.00	21.51
	6/9/2004	4.47	106	--	0.11	238.00	25.83
	9/20/2004	3.94	110	--	0.04	144.00	26.88
	12/2/2004	5.11	227	--	0.62	159.20	24.44
	3/11/2005	5.24	253	--	0.23	53.50	20.82
	6/8/2005	4.62	127	--	0.25	206.10	25.33
	9/8/2005	5.70	202	--	1.11	-168.20	28.55
	12/8/2005	6.21	220	--	3.68	149.50	21.98
	3/28/2006	4.85	245	--	0.44	181.90	23.77
	6/8/2006	4.75	218	--	0.53	-81.70	26.69
	9/24/2006	5.08	165	--	0.91	34.50	28.02
	4/18/2007	4.94	266	--	0.78	140.10	22.21
	9/13/2007	4.80	343	--	0.46	116.40	28.79
	3/5/2008	4.68	237	2.9	0.32	-24.90	21.08
	10/11/2008	5.15	273	2.32	0.37	-122.20	28.79
	3/4/2009	4.25	339	2.26	0.1	102.0	20.34
VEW-6	12/8/2005	5.67	484	--	0.94	151.60	23.67
	4/19/2007	4.99	255	--	0.44	79.60	22.37
	9/13/2007	5.61	219	--	0.58	136.90	29.71
	3/5/2008	5.36	196	1.99	0.34	-22.40	22.89
	10/11/2008	4.64	202	5.24	1.81	77.20	27.09
	3/4/2009	5.85	276	6.82	0.4	61.2	19.06
VEW-7	1/25/2000	5.63	74	--	NM	NM	21.80
	3/11/2003	4.98	111	--	2.69	86.00	18.50
	6/7/2003	5.70	134	--	0.00	-36.00	22.00
	9/4/2003	5.01	318	--	2.26	-42.00	25.31
	12/12/2003	5.07	469	--	0.17	-307.00	23.18
	3/17/2004	5.44	186	--	1.20	NM	21.40
	6/9/2004	5.36	214	--	0.18	-65.60	24.23
	9/20/2004	5.41	220	--	0.24	-137.90	25.36
	12/2/2004	5.71	295	--	0.18	-145.90	24.95
	3/11/2005	7.92	260	--	3.32	-107.00	22.00
	6/8/2005	5.26	241	--	0.30	-138.00	23.08
	9/8/2005	5.16	421	--	0.59	-203.60	25.70
	12/8/2005	5.33	448	--	1.45	84.30	22.43
	3/28/2006	4.91	268	--	0.25	-7.00	23.36
	6/8/2006	4.45	262	--	0.76	-106.50	24.98
	9/24/2006	4.79	275	--	0.55	-103.80	26.06
	4/18/2007	4.72	223	--	0.24	-57.70	22.12
	9/12/2007	5.30	223	--	0.54	-66.30	26.00
	3/5/2008	5.24	139	68.8	0.22	-85.20	21.81
	10/11/2008	2.94	145	167	0.70	12.00	26.28
	3/4/2009	5.39	174	43.4	0.59 *	74.1	18.46
VEW-8	12/8/2005	5.68	273	--	0.89	-35.10	22.18
	4/18/2007	5.84	350	--	0.43	-199.10	23.10
	9/12/2007	5.72	310	--	0.29	-115.30	27.51
	3/5/2008	5.36	126	49.5	0.60	-131.70	21.73
	10/11/2008	5.02	145	24.8	0.56	-42.70	26.37
	3/4/2009	5.76	250	72.5	0.2	-103.0	18.59

NOTES:
SU - Standard units
µS/cm - Microsiemens per centimeter
NTU - Nephelometric turbidity units
mg/L - Milligrams per liter
mV - Millivolts
°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 8260B	Naphthalene by Method 8270C-SIM	1-Methylnapthalene	2-Methylnapthalene
GCTL (µg/L)		1	30	40	20	0.8	10	10	14	14	28	28
NADSC (µg/L)		100	300	400	200	8	100	100	140	140	280	280
CEF-293-02	12/08/05	ND	1.83 I	ND	2.89	2.06	8.72	2.83	22.1	30.1	ND	ND
	04/18/07	0.320 I	1.04	ND	ND	2.49	ND	ND	6.28	ND	4.01 I	5.93
	09/12/07	ND	0.720 I	ND	ND	2.09	2.93	0.430 I	23.5	24.1	6.87	10.2
	03/05/08	<0.305	<0.338	<0.257	<0.433	<0.365	<0.516	<0.416	<0.452	<0.100	<0.133	<0.203
	10/11/08	<0.40	<0.43	<0.35	<0.78	1.2	4.4	1.0 I	1.8 I	0.81 I	0.34 I	0.75 I
	03/04/09	<0.40	1.7	<0.35	2.35	2.2	11.9	3.5	16.8	10.6	3.4	4.8
CEF-293-09	01/25/00	43.1	602	826	2150	--	--	--	--	378	128	182
	12/09/03	ND	ND	ND	ND	--	--	--	--	ND	ND	ND
	06/06/03	3.8	4.3	ND	20.2	5.8	ND	ND	--	3.9	ND	ND
	09/02/03	ND	ND	ND	ND	ND	ND	ND	--	0.36	0.20	ND
	12/12/03	2.9	5.8	ND	3.5	11.8	2.3	ND	98	47.5	19.4	18.4
	03/17/04	2.3	5.7	ND	ND	7.9	ND	ND	144	136	47.1	50.4
	06/09/04	ND	6.96	ND	1.54	12.2	6.93	2.98	81.6	63.8	24.6	22.4
	09/20/04	ND	1.25	ND	ND	3.6	3.75	3.06	24.1	12.4	3.8	4.5
	12/02/04	ND	7.180	ND	3.25	12.51	26.34	7.77	72.84	33.64	16.1 J	22.7 J
	03/11/05	ND	6.060	ND	1.46 I	17.4	30.7	6.50	95.2	19.2	7.48	12.2
	06/08/05	ND	17.8	ND	21.7	17.5	36.4	13.80	29.2	11.8	7.21	12.1
	09/08/05	ND	41.1	1.18 I	47.4	18.9	70.9	31.80	75.4	50.4	26.9	43.3
	12/08/05	ND	4.89	ND	ND	10.5	25.1	11.4	87.7	14.0	ND	9.24
	03/28/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/08/06	ND	4.55	ND	ND	6.3	12.4	2.29	31.5	15.7	6.35	14.3
	09/24/06	ND	20.8	0.790 I	31.0	12.4	50.3	19.7	56.1	46.6	20.90	33.0
	04/18/07	ND	14.4	0.310 I	44.8	11.0	38.1	11.4	44.4	20.3	7.60	16.1
	09/12/07	ND	13.3	ND	18.6	7.9	30.6	8.41	40.2	39.1	13.50	28.8
	03/05/08	<0.305	<0.338	<0.257	<0.433	2.66	<0.516	<0.416	11.6	9.48	5.23	16.4
	10/11/08	<0.40	<0.43	<0.35	<0.78	1.7	0.76 I	0.21 I	9.2	6.0	6.3	13.0
	03/04/09	<0.40	<0.43	<0.35	<0.75	2.3	1.9 I	0.79 I	16.6	5.9	7.9	15.3
CEF-293-13	12/08/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/19/07	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND
	09/12/07	ND	ND	ND	ND	7.30	ND	ND	ND	ND	ND	ND
	03/05/08	<0.305	<0.338	<0.257	<0.433	2.24	<0.516	<0.416	<0.452	<0.100	<0.133	<0.203
	10/11/08	<0.40	<0.43	<0.35	<0.78	0.28 I	<0.22	<0.20	<1.0	<0.24	<0.24	<0.24
	03/04/09	<0.40	<0.43	<0.35	<0.78	<0.20	<0.22	<0.20	<1.0	<0.24	<0.24	<0.24
CEF 293-22	01/25/00	24.2	19.4	0.88	47.8	--	--	--	--	142	59.6	67
	03/11/03	ND	ND	ND	ND	--	--	--	--	ND	ND	2.4
	06/09/03	ND	ND	ND	ND	ND	ND	ND	--	0.64	4.97	3.76
	09/02/03	ND	ND	ND	ND	ND	ND	ND	--	ND	1.34	0.96
	12/12/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.07	0.88
	03/17/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.35	1.20
	06/09/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.780 I
	09/20/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/02/04	3.67	ND	ND	1.80 I	ND	ND	ND	ND	ND	ND	ND
	03/11/05	3.59	1.56 I	ND	3.73	2.09	3.56	1.44 I	ND	ND	ND	ND
	06/08/05	2.74	1.66 I	ND	5.89	4.86	11.7	4.36	ND	ND	ND	ND
	09/08/05	ND	ND	ND	ND	1.12 I	1.80 I	1.09 I	ND	1.13 I	ND	ND
	12/08/05	ND	ND	ND	ND	0.360 I	0.830 I	0.470 I	1.35 I	1.13 I	ND	ND
	03/28/06	ND	ND	ND	ND	0.240 I	0.640 I	0.420 I	ND	ND	0.300 I	0.210 I
	06/08/06	ND	ND	ND	ND	ND	ND	ND	1.16	ND	ND	ND
	09/24/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.370 I	ND
	04/18/07	ND	ND	ND	ND	ND	ND	ND	2.96	1.97	5.34	4.60 I
	09/12/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.38 I	1.07 I
	03/05/08	<0.305	1.13	<0.257	0.940 I	<0.365	1.01	<0.416	<0.452	<0.100	<0.133	<0.203
	10/11/08	<0.40	<0.43	<0.34	<0.78	0.54 I	0.30 I	<0.20	<1.0	<0.24	<0.24	<0.24
	03/04/09	<0.40	<0.43	<0.35	<0.78	0.67 I	5.1	<0.20	1.1 I	0.44 I	<0.24	<0.24
VEW-1	01/25/00	18.5	257	59.4	726	--	--	--	--	350	220	307
	12/02/04	ND	18.17	0.9700 I	39.7	4.7	32.06	5.13	7.59	ND	ND	ND
	03/11/05	ND	11.8	0.450 I	26.0	4.86	39	3.67	ND	12.4	ND	ND
	06/08/05	ND	28.4	1.29 I	83.1	12.0	94.1	19.5	35.2	ND	ND	ND
	09/08/05	ND	0.410 I	ND	0.510 I	ND	0.430 I	ND	ND	ND	ND	ND
	12/08/05	ND	19.5	0.460 I	16.1	8.11	57.2	4.57	22.5	18.2	16.2	6.02
	03/28/06	ND	16.9	0.610 I	30.6	10.9	83.2	14.2	38.8	23.0	29.4	28.5
	06/08/06	ND	10.5	0.290 I	19.0	8.17	54.2	8.17	19.5	12.5	12.9	13.6
	09/24/06	ND	10.6	0.440 I	28.7	8.68	ND	20.8	17.6	18.0	20.1	17.7
	04/18/07	ND	4.60	ND	5.06	7.35	44.4	3.85	11.5	15.4	33.1	24.0
	09/12/07	ND	1.60	ND	1.33	1.97	17.1	ND	1.26	ND	0.830 I	ND
	03/05/08	<0.305	0.740 I	<0.257	<0.433	1.11	5.01	<0.416	0.81 I	<0.100	<0.133	<0.203
	10/11/08	<0.40	2.70	<0.35	2.70	3.3	13.8	<0.20	1.7 I	0.90 I	0.73 I	0.41 I
	03/04/09	<0.40	1.10	<0.35	<0.78	2.1	7.6	0.29 I	2.1 I	0.50 I	0.71 I	0.35 I

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 8260B	Naphthalene by Method 8270C-SIM	1-Methylnapthalene	2-Methylnapthalene
GCTL (µg/L)		1	30	40	20	0.8	10	10	14	14	28	28
NADSC (µg/L)		100	300	400	200	8	100	100	140	140	280	280
VEW-2	01/25/00	91.6	149	29.2	573	--	--	--		283	118	139
	03/11/03	ND	ND	ND	ND	--	--	--	--	ND	ND	ND
	06/07/03	ND	ND	ND	ND	ND	2.3	6.00	--	ND	1.06	0.42
	09/04/03	ND	ND	ND	ND	ND	ND	3.90	--	ND	1.4	0.54
	12/12/03	ND	ND	ND	3.7	3.2	2.2	1.60	--	ND	0.18	ND
	03/17/04	ND	ND	ND	ND	ND	2.0	ND	ND	0.58	1.27	1.09
	06/09/04	ND	ND	ND	ND	ND	2.23	1.33	ND	0.284 I	ND	0.396 I
	09/20/04	ND	ND	ND	2.45	ND	5.95	1.63	ND	ND	ND	ND
	12/02/04	ND	1.310 I	ND	3.85	1.690 I	16.56	1.70 I	10.03	1.16 I	3.18 J3 I	2.05 J
	03/11/05	ND	0.930 I	ND	1.25 I	1.48 I	13.30	ND	13.0	0.557 I	1.29 I	1.15 I
	06/08/05	ND	0.560 I	ND	0.460 I	1.16 I	11.70	0.750 I	4.9	ND	ND	ND
	09/08/05	ND	0.560 I	ND	1.23 I	1.53 I	16.90	3.5	ND	1.52 I	4.23 I	4.40 I
	12/08/05	ND	0.480 I	ND	0.650 I	1.88 I	14.1	3.06	11.8	ND	6.80	7.42
	03/28/06	ND	0.340 I	ND	0.340 I	1.52	7.82	1.88	4.30	ND	6.36	7.02
	06/08/06	1.16	0.340 I	ND	ND	ND	10.0	0.980 I	2.19	ND	7.59	8.35
	09/24/06	1.34	1.98	ND	ND	4.37	6.9	ND	1.48	0.510 I	7.79	8.17
	04/18/07	0.860 I	5.94	ND	ND	11.4	4.35	ND	10.5	ND	ND	ND
	09/12/07	ND	ND	ND	ND	2.46	6.79	0.700 I	11.4	6.43	3.88 I	6.54
	03/05/08	<0.305	<0.338	<0.257	<0.433	1.45	2.59	<0.416	<0.452	0.450 I	2.87 I	4.65 I
	10/11/08	<0.40	0.63 I	<0.35	<0.78	3.1	<0.22	<0.20	9.6	3.3	0.47 I	0.90 I
	03/04/09	<0.40	0.61 I	<0.35	<0.78	1.3	<0.22	<0.20	5.8 V	1.5	0.55 I	1.8
VEW-3	01/25/00	24.4	85.6	11.5	128	--	--	--	--	220	78	102
	03/11/03	ND	ND	ND	1.2	--	--	--	--	ND	ND	ND
	06/06/03	ND	ND	ND	4.9	ND	ND	ND	--	ND	ND	ND
	09/02/03	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	12/12/03	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND
	03/17/04	ND	ND	ND	ND	3.8	ND	ND	ND	1.87	2.27	1.46
	06/09/04	ND	ND	ND	2.32	17.5	ND	2.18	ND	2.02 I	3.01	1.18 I
	09/20/04	ND	ND	ND	ND	19	12	13	30.6	5.29, J	2.86, J	2.88 J
	12/02/04	ND	ND	ND	ND	1.580 I	2.130 I	0.4900 I	7.34	1.09 I	7.88 J	7.05 J
	03/11/05	ND	ND	ND	ND	1.25 I	1.44 I	ND	3.50	ND	8.39	8.98
	06/08/05	ND	ND	ND	ND	0.480 I	0.590 I	0.430 I	ND	ND	1.08 I	ND
	09/08/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/08/05	ND	0.460 I	ND	ND	0.820 I	1.33 I	ND	ND	ND	ND	ND
	03/28/06	0.260 I	0.800 I	ND	0.380 I	2.24	3.45	1.50	ND	ND	3.20 I	2.53 I
	06/08/06	ND	0.510 I	ND	ND	1.53	2.25	0.700 I	ND	ND	4.55 I	4.25 I
	09/24/06	0.700 I	2.02	ND	0.610 I	2.80	9.49	2.90	1.65	0.800 I	1.23 I	0.870 I
	04/19/07	0.530 I	3.29	ND	1.21	3.93	23.3	7.98	4.28	2.44 I	5.01	6.49
	06/20/07	0.650 I	4.10	ND	0.640 I	3.09	17.6	3.56	4.37	2.99 I	5.49	7.57
	09/13/07	ND	1.61	ND	ND	1.10	6.85	1.23	2.81	ND	1.33 I	1.13 I
	03/05/08	0.400 I	1.68	<0.257	1.39	2.99	9.70	1.68	1.15	1.30 I	3.79 I	4.91 I
	10/11/08	<0.40	2.0	<0.35	2.89 I	2.5	9.8	4.6	2.8 I	0.52 I	1.8	1.7
	03/04/09	<0.40	2.7	<0.35	1.63 I	3.3	22.5	9.9	6.0	3.1	4.2	5.2
VEW-4	01/25/00	81	138	7.8	288	--	--	--	--	232	88.7	108
	03/11/03	ND	ND	ND	ND	--	--	--	--	ND	ND	ND
	06/07/03	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	09/02/03	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	12/12/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/17/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/09/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/20/04	8.18	41	ND	133	20.4	131	49.8	104.0	43.0 J	7.00 J	6.91 J
	12/02/04	1.50 I	23.39	ND	16.2	10.49	61.23	22.41	79.27	43.39	11.3 J	11.0 J
	03/11/05	2.31	18.40	ND	14.3	11.6	55.6	28.6	79.4	34.9	10.2	10.2
	06/08/05	1.38 I	15.3	ND	15.5	15.1	19.2	29.8	52.7	ND	10.1	7.42
	09/08/05	0.670 I	13.3	ND	18.2	11.2	15.1	19.2	31.3	15.6	9.9	6.02
	12/08/05	0.920 I	1.39 I	ND	31.0	6.76	7.00	ND	14.6	ND	ND	ND
	03/28/06	0.480 I	2.83	ND	25.1	6.79	11.80	4.81	20.1	ND	ND	ND
	06/08/06	0.770 I	1.03	ND	27.0	7.65	6.12	2.05	10.6	14.0	4.16 I	2.87 I
	09/24/06	ND	3.93	ND	9.22	6.48	10.10	3.55	21.1	5.1	2.00 I	1.00 I
	04/18/07	ND	27.9	ND	4.60	12.8	85.6	7.39	58.5	28.9	10.5	12.5
	09/12/07	ND	10.2	ND	10.20	10.0	67.4	6.29	78.7	47.5	14.5	18.2
	03/05/08	<0.305	6.93	<0.257	12.3	4.74	28.0	8.90	33.4	29.9	10.6	12.8
	10/11/08	<0.40	5.0	<0.35	8.4	4.8	18.1	5.4	16.5	4.4	2.1	2.2
	03/04/09	<0.40	8.4	<0.35	4.9	5.9	38.6	3.7	28.4 V	14.6	4.7	4.8

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 8260B	Naphthalene by Method 8270C-SIM	1-Methylnapthalene	2-Methylnapthalene
GCTL (µg/L)		1	30	40	20	0.8	10	10	14	14	28	28
NADSC (µg/L)		100	300	400	200	8	100	100	140	140	280	280
VEW-5	01/25/00	118	72.5	11.3	110	--	--	--	--	194	59.8	86.1
	03/11/03	ND	ND	ND	ND	--	--	--	--	ND	ND	ND
	06/06/03	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	09/02/03	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	12/12/03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/17/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/09/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/20/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/02/04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/11/05	ND	ND	ND	ND	ND	ND	ND	ND	34.6	10.0	10.3
	06/08/05	ND	ND	ND	ND	ND	0.290 I	0.370 I	11.4	ND	ND	ND
	09/08/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/08/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/28/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/08/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/24/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/19/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/13/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/05/08	<0.305	<0.338	<0.257	<0.433	<0.365	<0.516	<0.416	<0.452	<0.100	<0.133	<0.203
	10/11/08	<0.40	<0.43	<0.35	1.6	6.1	5.5	2.7	13.5	8.1	<0.24	<0.24
	03/04/09	<0.40	<0.43	<0.35	<0.78	<0.20	<0.22	<0.20	<1.0	<0.24	<0.24	<0.24
VEW-6	12/08/05	ND	ND	ND	ND	0.480 I	ND	ND	ND	ND	ND	ND
	04/19/07	ND	ND	ND	ND	3.86	ND	ND	0.870 I	0.930 I	ND	ND
	09/13/07	ND	ND	ND	ND	5.28	ND	ND	6.26	ND	ND	ND
	03/05/08	<0.305	<0.338	<0.257	1.28	3.97	0.780 I	0.630 I	2.02	0.380 I	<0.133	<0.203
	10/11/08	<0.40	<0.43	<0.35	<0.78	<0.20	31.1	5.8	<1.0	<0.24	<0.24	<0.24
	03/04/09	<0.40	<0.43	<0.35	<0.78	1.3	1.1 I	0.61 I	5.8	2.6	<0.24	<0.24
VEW-7	01/25/00	48	213	97.8	459	--	--	--	--	481	172	210
	03/11/03	ND	ND	ND	ND	--	--	--	--	ND	ND	ND
	06/07/03	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
	09/02/03	ND	ND	ND	ND	ND	ND	ND	--	ND	0.13	ND
	12/12/03	ND	ND	ND	3.4	3.2	ND	ND	ND	ND	ND	ND
	03/17/04	2.2	1.2	ND	7.7	1	5.7	ND	ND	4.09	0.22	0.2
	06/09/04	8.78	3.28	ND	2.20	2.70	ND	2.63	28.0	8.74	ND	0.641 I
	09/20/04	4.2	5.55	ND	ND	5.17	3.81	7.51	38.0	2.06 J	ND	0.214 J
	12/02/04	4.95	21.0	ND	5.79	12.05	56.72	12.02	193.1	75.9	11.4 J	7.11 J
	03/11/05	3.70	14.5	ND	ND	11.8	19.3	0.470 I	144.0	19.8	7.34	3.19 I
	06/08/05	4.58	15.0	ND	ND	12.3	14.9	ND	127.0	64.2	25.6	18.1
	09/08/05	2.40	14.7	ND	ND	12.0	9.01	0.710 I	149.0	83.4	38.1	29.6
	12/08/05	2.05	10.3	ND	1.45 I	5.91	7.43	2.19	60.2	61.9	21.9	20.8
	03/28/06	3.07	29.6	0.390 I	22.5	13.7	86.8	16.2	161	89.7	34.2	37.7
	06/08/06	1.73	23.2	ND	5.26	12.7	119	20.2	159	121.0	43.7	47.2
	09/24/06	2.76	18.5	0.330 I	8.87	10.5	51.5	19.6	194	98.9	27.8	35.8
	04/18/07	2.37	16.4	0.270 I	19.3	13.0	55.7	22.3	181	95.4	42.2	53.7
	09/12/07	0.930 I	4.22	ND	3.67	7.07	23.4	10.2	159	33.6	10.4	14.4
	03/05/08	0.410 I	2.52	<0.257	3.84	3.34	9.13	1.35	33.8	18.7	8.42	9.70
	10/11/08	0.82 I	7.9	<0.35	12.8	5.7	31.1	5.8	99.7	35.8	18.2	23.3
	03/04/09	1.5	13.8	0.71	24.5	7.5	37.3	7.6	148	62.1	30.6	41.8
VEW-8	12/08/05	ND	5.34	0.300 I	4.03	18.1	76.4	27.2	80.7	42.9	ND	ND
	04/18/07	ND	7.75	ND	1.81	10.5	11.8	2.16	20.4	10.6	10.0	10.0
	09/12/07	ND	1.44	ND	0.450 I	3.26	1.40	1.03	14.7	5.65	6.47	6.41
	03/05/08	<0.305	0.84	<0.257	<0.433	2.06	0.680 I	0.570 I	7.22	7.35	5.43	7.22
	10/11/08	<0.40	1.10	<0.35	<0.78	1.50	0.77 I	0.26 I	7.4	1.4	1.3	1.6
	03/04/09	<0.40	2.3	<0.35	0.4	5.40	1.6 I	0.40 I	28.7	11.9	10.4	13.7

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

GROUNDWATER SAMPLING LOGS

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: Day Tank 1 - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: CEF-293-2	**Sample ID:** CEF-293-2	**Date:** 3/4/09

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	8.96	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	**Purging Initiated:**	**Purging Ended:**	**Total Volume Purged (Gallons):**	**Sample Pump Flow Rate (mL/min):**
		820	1.0	550

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)
808	0.5	0.5		8.24	5.33	17.79	102	1.63	201	38.2	Brown	None
811	0.1	0.6		8.24	5.32	18.06	106	1.51	170	28.9	"	—
814	0.1	0.7		8.24	5.28	18.37	106	1.29	158	23.8	"	—
817	0.2	0.9		8.24	5.25	18.48	109	1.20	153	15.7	"	—
820	0.1	1.0		8.24	5.23	18.67	113	1.12	149	9.8	"	—

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

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

SAMPLING DATA

Sampled By/Affiliation:	**Sampler(s) Signature:**	**Sampling Initiated:**	**Sampling Ended:**
Leif Hazlewood	[signature]	820	835

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: 2.0 gal. IDW gen.

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-293-9	**Sample ID:** CEF - 293 - 9	**Date:** 3-4

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	9.88	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):
	800	820	0.8	250

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)
805	0.2	0.2	250	9.95	5.58	18.83	211	1.11	9.8	8.1	Clear	none
810	0.2	0.4	250	9.95	5.54	19.30	203	0.73	8.4	18.9	" "	" "
815	0.2	0.6	250	9.96	5.51	19.35	193	0.56	6.5	-8.1	" "	" "
820	0.2	0.8	250	9.97	5.46	19.50	186	0.42	7.9	-8.4	" "	" "

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:
Stein Jarrett Solutions	[signature]	820	830

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: 1 gal total purge

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-293-13 | **Sample ID:** CEF-293-13 | **Date:** 3-4-09

PURGING DATA

Well Diameter (inches):	Tubing Diameter (inches):	Tubing:	Static Depth to water (feet):	Purge pump type or bailer:	Well Screen Interval Depth:
1 (2) 3 4	(1/4) 3/8 1/2	HDPE ~~Teflon~~	8.27	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):
	850	915	0.75	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)
855	~~2.15~~	~~2.15~~	200	8.28	5.32	17.87	165	1.78	7.7	16.6	clear	none
900	~~2.15~~	.30	200	8.29	5.28	18.02	163	1.81	5.7	26.2	" "	" "
905	0.15	.45	200	8.30	5.23	18.35	161	1.56	4.4	33.7	" "	" "
910	0.15	0.60	200	8.31	5.20	18.39	159	1.70	4.1	43.1	" "	" "
915	0.15	0.75	200	8.31	5.16	18.51	158	1.43	3.6	56.4	" "	" "

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:
San Jarrat Solutions IES	[signature]	915	935

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

SAMPLE CONTAINER INFORMATION

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

Remarks: 1 gal tot. purge * had to re-fill tubing 3x during VOC sampling due to lack of H_2O

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:** 3/4/09

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	8.15	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):**
	1253	1310	0.7	250

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)
1301	0.5	0.5		8.47	5.64	21.23	302	1.73	11.6	133.6	Clear	None
1304	0.1	0.6		8.47	5.63	21.34	304	1.60	13.4	127.0		
1307	0.1	0.7		8.47	5.61	21.31	305	1.58	14.8	124.6		

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:**
Leif Herlewood	[signature]	1310	1325

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: 1 gallon IDW

Field Kits: DO: 1

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

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

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

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

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: Day Tank 1 - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: VEW-1	**Sample ID:**	**Date:**

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	7.68	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	1250	1315	1.0	260

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)
1259	0.3	0.3	260	7.90	5.86	20.02	147	0.98	18.3	112.7	yellow	—
1304	0.2	0.5	260	7.90	5.85	20.13	146	0.62	19.1	120.4	yellow	—
1308	0.3	0.8	260	7.90	5.84	20.21	147	0.61	18.7	122.6	yellow	—
1312	0.2	1.0	260	7.90	5.83	20.15	147	0.62	19.6	128.2	yellow	—

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

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

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Dawn Marshall / Solutions-IES	Dawn Marshall	1315	1335

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: Approx 1.5 gallons purged

Field Kits: DO: 0.1

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

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

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

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

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

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

Well Number: VEW-2 | **Sample ID:** VEW-2 | **Date:** 3/4/09

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)	7.85	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	1145	1208	1.2	260

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)
1155	0.4	0.4	260	7.93	6.31	20.25	392	0.82	14.1	15.4	yellow	—
1200	0.3	0.7	260	7.93	6.27	20.42	376	0.67	13.9	11.3	yellow	—
1203	0.3	1.0	260	7.93	6.25	20.33	374	0.47	10.6	3.5	yellow	—
1206	0.2	1.2	260	7.93	6.22	20.23	372	0.47	11.3	0.2	yellow	—

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

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

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Dawn Marshall/Solutions-IES	Dawn Marshall	1208	1230

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: Total vol purged ~2 gallons

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: VEW-3	**Sample ID:** VEW-3	**Date:** 3-4-09

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	7.32	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):
	945	10:00	0.60	250

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)
950	.2	.2	250	7.34	5.15	21.34	166	0.37	2.9	30.1	clear	none
955	.2	.4	250	7.35	5.12	21.48	160	0.25	2.2	26.4	" "	" "
1000	.2	.6	250	7.36	5.09	21.59	155	0.21	0.9	9.3	"	" "

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:
Sean Jarvis Solutions-IES	[signature]	10:00	10:10

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: .75 tot SAI Purged

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: VEW-4	**Sample ID:** VEW-4	**Date:** 3/4/09

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	7.64	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):**
	1152	1210	1.1	300

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
1157	0.4	0.4		7.72	5.09	21.10	149	1.24	4.19	133.0	Clear	None
1204	0.5	0.9		7.73	5.08	21.19	146	1.21	3.18	133.2	—	—
1207	0.2	1.1		7.73	5.01	21.34	146	1.12	1.98	128.0	—	—

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:**
Leif Hazlewood	[signature]	1210	1225

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

SAMPLE CONTAINER INFORMATION

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

Remarks: 2 gallons IDW

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: VEW-5	**Sample ID:** VEW-5	**Date:** 3/4/09

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	6.54	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):
	850	905	0.9	250

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)
854	0.3	0.3		6.62	4.51	19.85	344	1.52	9.29	95.8	None	None
857	0.2	0.5		6.62	4.36	20.01	341	1.09	5.38	102.6	—	—
900	0.2	0.7		6.62	4.28	20.19	345	1.11	3.65	103.5	—	—
903	0.2	0.9		6.62	4.25	20.34	339	0.98	2.26	102.0	—	—

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:
Leif Harlowood	[signature]	905	915

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: 1.5 gallons IDW

Field Kits: DO: 0.1

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

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

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

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

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: Day Tank 1 - Cecil Field	**Site Location:** Jacksonville, Florida
Well Number: VEW-6	**Sample ID:** VEW-6 **Date:** 3/4/09

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	6.55	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	855	913	0.5	90

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)
905	0.2	0.2	125	6.59	5.89	18.81	273	0.81	7.46	54.2	—	—
908	0.1	0.3	150	6.59	5.88	18.90	276	0.64	8.66	62.3	—	—
911	0.1	0.4	150	6.59	5.85	19.06	276	0.51	6.82	61.2	—	—

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	[signature]	913	932

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: IDW = 0.7 gal

Field Kits: DO: 0.4

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

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

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

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

SOLUTIONS-IES
GROUNDWATER SAMPLING LOG

Site Name: Day Tank 1 - Cecil Field		**Site Location:** Jacksonville, Florida
Well Number: VEW-7	**Sample ID:** VEW-7	**Date:** 3/4/09

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	8.34	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	0800	0830	1.4	220

Time	Volume Purged (gallons)	Cumulative Volume Purged (gallons)	Purge Rate: (mL/min)	Depth to Water (feet)	pH (SU)	Temp (°C)	Cond (µs/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU's)	ORP (m/v)	Color (describe)	Odor (describe)
~~0.3~~ ~~0808~~		0m										
0808	0.3	0.3	220	8.39	5.38	17.74	147	1.58	67.4	147.0	brown	—
0815	0.4	0.7	220	8.39	5.39	17.97	161	0.97	59.7	108.3	brown	—
0820	0.2	0.9	220	8.39	5.40	18.28	170	0.72	46.0	87.5	brown	—
0825	0.3	1.2	220	8.39	5.40	18.32	173	0.63	43.6	78.5	brown	—
0828	0.2	1.4	220	8.39	5.39	18.46	174	0.59	43.4	74.1	brown	—

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

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

SAMPLING DATA

Sampled By/Affiliation:	Sampler(s) Signature:	Sampling Initiated:	Sampling Ended:
Dawn Marshall / Solutions-IES	Dawn Marshall	0830	

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: verified pH w/ handheld 5.56
total purge ~ 2 gallons

Field Kits: DO:

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: VEW-8	**Sample ID:** VEW-8	**Date:** 3/4/09

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 (5/8) 1/2	(LDPE) Teflon	8.26	Peristaltic Pump	feet to feet

Initial Pump or Tubing Depth in well:	Purging Initiated:	Purging Ended:	Total Volume Purged (Gallons):	Sample Pump Flow Rate (mL/min):
2' off bottom	758	816	0.7	125

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)
805	0.2	0.2	200	8.33	5.55	18.28	190	1.03	95.7	-49.2	turbid	None
808	0.2	0.4	200	8.33	5.69	18.39	222	0.94	85.7	-75.1	"	—
811	0.1	0.5	175	8.33	5.73	18.47	238	0.79	77.6	-90.0	"	—
814	0.1	0.6	175	8.33	5.76	18.59	250	0.60	72.5	-103.0	"	—

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:
Burke Cathey / Terraine	Burke Cathey	816	830

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: IDW = 1.0 gal

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)

APPENDIX B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/30/09

Technical Report for

Solutions-IES, Inc

Cecil Field -Day Tank 1; Jacksonville, FL

8030.08A2.NACF

Accutest Job Number: F63772

Sampling Date: 03/04/09

Report to:

Solutions-IES, Inc

jdehart@solutions-ies.com

ATTN: Jessica Dehart

Total number of pages in report: **43**

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

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

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

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Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: F63772-1: CEF-293-02 6
3.2: F63772-2: VEW-7 10
3.3: F63772-3: CEF-293-09 14
3.4: F63772-4: VEW-8 18
3.5: F63772-5: CEF-293-13 22
3.6: F63772-6: VEW-6 26
3.7: F63772-7: VEW-5 30
3.8: F63772-8: VEW-3 34
3.9: F63772-9: TRIP BLANK 38
Section 4: Misc. Forms **41**
4.1: Chain of Custody 42

Accutest LabLink@88983 17:08 30-Apr-2009

Sample Summary

Solutions-IES, Inc

Job No: F63772

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
F63772-1	03/04/09	08:20	JD	03/05/09	AQ	Ground Water	CEF-293-02
F63772-2	03/04/09	08:30	JD	03/05/09	AQ	Ground Water	VEW-7
F63772-3	03/04/09	08:20	JD	03/05/09	AQ	Ground Water	CEF-293-09
F63772-4	03/04/09	08:16	JD	03/05/09	AQ	Ground Water	VEW-8
F63772-5	03/04/09	09:15	JD	03/05/09	AQ	Ground Water	CEF-293-13
F63772-6	03/04/09	09:13	JD	03/05/09	AQ	Ground Water	VEW-6
F63772-7	03/04/09	09:05	JD	03/05/09	AQ	Ground Water	VEW-5
F63772-8	03/04/09	10:00	JD	03/05/09	AQ	Ground Water	VEW-3
F63772-9	03/04/09	00:00	JD	03/05/09	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Solutions-IES, Inc **Job No:** F63772

Site: Cecil Field -Day Tank 1; Jacksonville, FL **Report Date** 3/13/2009 2:54:24 PM

8 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 03/04/2009 and were received at Accutest on 03/05/2009 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F63772. 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:** VJ2779

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63772-3MS, F63772-3MSD were used as the QC samples indicated.

Blank Spike Recovery(s) for 1,1-Dichloropropene, cis-1,3-Dichloropropene, Methylene bromide are outside control limits. Biased high, not detected in the samples, data integrity not adversely affected.

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

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

Matrix: AQ **Batch ID:** VJ2780

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63757-5MS, F63757-5MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix: AQ **Batch ID:** OP28267

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63772-8MS, F63772-8MSD were used as the QC samples indicated.

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

Narrative prepared by:

_____ Date: March 13, 2009

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CEF-293-02		
Lab Sample ID:	F63772-1	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	J045550.D	1	03/11/09	KW	n/a	n/a	VJ2779
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	0.57	1.0	0.28	ug/l	I
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-293-02		
Lab Sample ID:	F63772-1	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	1.7	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	0.68	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	16.8	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	4.2	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	11.9	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	3.5	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	1.4	2.0	0.78	ug/l	I
95-47-6	o-Xylene	0.95	1.0	0.37	ug/l	I

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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:	F63772-1	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	103%		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-293-02		
Lab Sample ID:	F63772-1	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	W045020.D	1	03/10/09	RB	03/06/09	OP28267	SW2287
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	3.4	0.95	0.24	ug/l	
91-57-6	2-Methylnaphthalene	4.8	0.95	0.24	ug/l	
91-20-3	Naphthalene	10.6	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	73%		42-108%
321-60-8	2-Fluorobiphenyl	66%		40-106%
1718-51-0	Terphenyl-d14	76%		39-121%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VEW-7		
Lab Sample ID:	F63772-2	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	J045542.D	1	03/11/09	KW	n/a	n/a	VJ2779
Run #2	J045574.D	5	03/12/09	KW	n/a	n/a	VJ2780

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	1.5	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	3.7	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	6.2	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.67	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:	VEW-7		
Lab Sample ID:	F63772-2	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	13.8	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	7.5	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	1.9	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	148 [a]	25	5.0	ug/l	
103-65-1	n-Propylbenzene	14.9	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	37.3	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	7.6	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.71	1.0	0.35	ug/l	I
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	16.7	2.0	0.78	ug/l	
95-47-6	o-Xylene	7.8	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:	VEW-7		
Lab Sample ID:	F63772-2	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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%	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	105%	94%	76-127%
2037-26-5	Toluene-D8	96%	110%	86-112%
460-00-4	4-Bromofluorobenzene	98%	104%	84-120%

(a) Result is from Run# 2

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:	VEW-7		
Lab Sample ID:	F63772-2	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	W045021.D	1	03/10/09	RB	03/06/09	OP28267	SW2287
Run #2	W045045.D	2	03/12/09	NAF	03/06/09	OP28267	SW2289

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

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	30.6	0.95	0.24	ug/l	
91-57-6	2-Methylnaphthalene	41.8	0.95	0.24	ug/l	
91-20-3	Naphthalene	62.1 [a]	1.9	0.48	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	71%	67%	42-108%
321-60-8	2-Fluorobiphenyl	63%	64%	40-106%
1718-51-0	Terphenyl-d14	75%	73%	39-121%

(a) Result is from Run# 2

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:	F63772-3	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	J045543.D	1	03/11/09	KW	n/a	n/a	VJ2779
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	1.2	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	1.9	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-293-09		
Lab Sample ID:	F63772-3	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	2.3	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	16.6	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	3.4	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	1.9	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.79	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-293-09		
Lab Sample ID:	F63772-3	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	106%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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

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

Report of Analysis

Client Sample ID:	CEF-293-09		
Lab Sample ID:	F63772-3	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	W045022.D	1	03/10/09	RB	03/06/09	OP28267	SW2287
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	7.9	0.95	0.24	ug/l	
91-57-6	2-Methylnaphthalene	15.3	0.95	0.24	ug/l	
91-20-3	Naphthalene	5.9	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	80%		42-108%
321-60-8	2-Fluorobiphenyl	66%		40-106%
1718-51-0	Terphenyl-d14	74%		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:	VEW-8		
Lab Sample ID:	F63772-4	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	J045544.D	1	03/11/09	KW	n/a	n/a	VJ2779
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	3.6	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.47	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	0.98	2.0	0.32	ug/l	I
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:	VEW-8		
Lab Sample ID:	F63772-4	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	2.3	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	5.4	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.88	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	28.7	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	8.5	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.6	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.40	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	0.40	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:	VEW-8		
Lab Sample ID:	F63772-4	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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

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

Report of Analysis

Client Sample ID:	VEW-8		
Lab Sample ID:	F63772-4	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	W045023.D	1	03/10/09	RB	03/06/09	OP28267	SW2287
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	10.4	0.95	0.24	ug/l	
91-57-6	2-Methylnaphthalene	13.7	0.95	0.24	ug/l	
91-20-3	Naphthalene	11.9	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	84%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	78%		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-293-13		
Lab Sample ID:	F63772-5	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	J045545.D	1	03/11/09	KW	n/a	n/a	VJ2779
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	0.68	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

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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-293-13		
Lab Sample ID:	F63772-5	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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:	F63772-5	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	106%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	107%		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:	F63772-5	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	W045026.D	1	03/10/09	RB	03/06/09	OP28267	SW2287
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	74%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	77%		39-121%

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:	VEW-6		
Lab Sample ID:	F63772-6	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	J045546.D	1	03/11/09	KW	n/a	n/a	VJ2779
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	0.63	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:	VEW-6		
Lab Sample ID:	F63772-6	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	1.3	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	5.8	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.44	1.0	0.25	ug/l	I
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.1	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.61	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:	VEW-6		
Lab Sample ID:	F63772-6	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	104%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	107%		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:	VEW-6		
Lab Sample ID:	F63772-6	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	W045027.D	1	03/10/09	RB	03/06/09	OP28267	SW2287
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	2.6	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	71%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	80%		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:	VEW-5		
Lab Sample ID:	F63772-7	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	J045547.D	1	03/11/09	KW	n/a	n/a	VJ2779
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:	VEW-5		
Lab Sample ID:	F63772-7	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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:	VEW-5		
Lab Sample ID:	F63772-7	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	96%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

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

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

Report of Analysis

Client Sample ID:	VEW-5		
Lab Sample ID:	F63772-7	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	W045028.D	1	03/11/09	RB	03/06/09	OP28267	SW2287
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	75%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	77%		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:	VEW-3		
Lab Sample ID:	F63772-8	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	J045548.D	1	03/11/09	KW	n/a	n/a	VJ2779
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	3.6	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.55	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	0.30	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:	VEW-3		
Lab Sample ID:	F63772-8	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	2.7	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	1.1	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	6.0	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	6.2	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	22.5	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	9.9	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	0.97	2.0	0.78	ug/l	I
95-47-6	o-Xylene	0.66	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:	VEW-3		
Lab Sample ID:	F63772-8	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	99%		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	103%		84-120%

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

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

Report of Analysis

Client Sample ID:	VEW-3		
Lab Sample ID:	F63772-8	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/05/09
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	W045029.D	1	03/11/09	RB	03/06/09	OP28267	SW2287
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.49 U	0.98	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.98	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.98	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.20	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.049 U	0.20	0.049	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.20	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.049 U	0.20	0.049	ug/l	
207-08-9	Benzo(k)fluoranthene	0.049 U	0.20	0.049	ug/l	
218-01-9	Chrysene	0.098 U	0.20	0.098	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.20	0.049	ug/l	
206-44-0	Fluoranthene	0.25 U	0.98	0.25	ug/l	
86-73-7	Fluorene	0.49 U	0.98	0.49	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.20	0.049	ug/l	
90-12-0	1-Methylnaphthalene	4.2	0.98	0.25	ug/l	
91-57-6	2-Methylnaphthalene	5.2	0.98	0.25	ug/l	
91-20-3	Naphthalene	3.1	0.98	0.25	ug/l	
85-01-8	Phenanthrene	0.25 U	0.98	0.25	ug/l	
129-00-0	Pyrene	0.25 U	0.98	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		42-108%
321-60-8	2-Fluorobiphenyl	71%		40-106%
1718-51-0	Terphenyl-d14	76%		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:	TRIP BLANK		
Lab Sample ID:	F63772-9	**Date Sampled:**	03/04/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/05/09
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	J045549.D	1	03/11/09	KW	n/a	n/a	VJ2779
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:	F63772-9	**Date Sampled:**	03/04/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/05/09
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:	F63772-9	**Date Sampled:**	03/04/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/05/09
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	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	103%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	109%		84-120%

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

CHAIN OF CUSTODY

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

Accutest Job #:
Accutest Quote #: F63772

Client Information

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

Facility Information

Solutions-IES
Project Name: Day tank 1
Location: Cecil field
Project/PO #: Cecil Field - Day Tank 1
FAX #: (919) 873-1074

Analytical Information

Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	VOCs by 8260B	PAHs by 8270C	0	0
CEF-293-02	3/4/09	820	Hazlewood	gw	5	3				2	X	X		
VEW-7		830	Marshall											
CEF-293-09		820	Jarrah											
~~VEW-8~~ VEW-8		816	Catley											
CEF-293-13		915	Jarrah											
VEW-6		913	Catley											
VEW-5		905	Hazelwood											
VEW-3		1000	Jarrah											
Trip Blank-DT-1		—	—		3									

Turnaround Information

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

RUSH TAT is for FAX data unless previously approved.

Data Deliverable Information

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

Comments / Remarks

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

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	3-4-09 12:15	3/4/09 1225	Al Je		2 Accutest
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4 3-5-09
Relinquished by Sampler: 5	Date Time:	Received By: 5	Seal #	Preserved where applicable	On Ice: 2.0 1.8 2.2 1.6 2.4 2.6 2.0 1.8

4.1
4

F63772: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F63772 CLIENT: Solutions - IES PROJECT: Day Tank 1

DATE/TIME RECEIVED: 3-5-09 08:00 # OF COOLERS RECEIVED: 8 COOLER TEMPS: 2.0 1.8 2.2 1.6 2.4 2.6 2.0 1.8

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
- [x] 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 ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

NUMBER OF LAB FILTERED METALS ? Ø

SUMMARY OF COMMENTS: Sample 1 1 bottle (Amber) missing time COC says 816

TECHNICIAN SIGNATURE/DATE E.T. 3-5-09 TECHNICIAN SIGNATURE/DATE 3/5/09

ASBD 12/17/07

4.1

4

F63772: Chain of Custody

Page 2 of 2

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/30/09

Technical Report for

Solutions-IES, Inc

Cecil Field -Day Tank 1; Jacksonville, FL

8030.08A2.NACF

Accutest Job Number: F63812

Sampling Date: 03/04/09

Report to:

Solutions-IES, Inc

jdehart@solutions-ies.com

ATTN: Jessica Dehart

Total number of pages in report: 27

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Table of Contents

-1-

Section 1: Sample Summary **3**
Section 2: Case Narrative/Conformance Summary **4**
Section 3: Sample Results **5**
3.1: F63812-1: VEW-4 6
3.2: F63812-2: VEW-2 10
3.3: F63812-3: VEW-1 14
3.4: F63812-4: CEF-293-22 18
3.5: F63812-5: TRIP BLANK 22
Section 4: Misc. Forms **25**
4.1: Chain of Custody 26

Accutest LabLink@88983 17:13 30-Apr-2009

Sample Summary

Solutions-IES, Inc

Job No: F63812

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
F63812-1	03/04/09	12:10	LH	03/10/09	AQ	Ground Water	VEW-4
F63812-2	03/04/09	12:08	LH	03/10/09	AQ	Ground Water	VEW-2
F63812-3	03/04/09	13:15	LH	03/10/09	AQ	Ground Water	VEW-1
F63812-4	03/04/09	13:10	LH	03/10/09	AQ	Ground Water	CEF-293-22
F63812-5	03/04/09	00:00	LH	03/10/09	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Solutions-IES, Inc **Job No:** F63812

Site: Cecil Field -Day Tank 1; Jacksonville, FL **Report Date** 3/23/2009 3:58:14 PM

4 Samples, 1 Trip Blank were collected on 03/04/2009 and received at Accutest on 03/10/2009 properly preserved and intact. These Samples received an Accutest job number of F63812. 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:** VJ2783

All samples were analyzed within the recommended method holding time.

Sample(s) F63763-1MS, F63763-1MSD were used as the QC samples indicated.

Sample(s) F63812-1, F63812-2 have compound(s) reported with a “V” qualifier, indicating analyte is found in the associated method blank.

Blank Spike Recovery(s) for Acrolein are outside control limits. Biased high, not dtected in the samples, data integrity not adversely affected.

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

RPD(s) for MSD for 2-Chloroethyl vinyl ether are outside control limits for sample F63763-1MSD. Probable cause due to sample homogeneity.

Matrix: AQ **Batch ID:** VJ2784

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63783-3MS, F63783-3MSD were used as the QC samples indicated.

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

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix: AQ **Batch ID:** OP28319

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) F63812-1MS, F63812-1MSD were used as the QC samples indicated.

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 created by:

Date: March 23, 2009

Svetlana Izosimova, QAO (signature on file)

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	VEW-4		
Lab Sample ID:	F63812-1	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	J045689.D	1	03/16/09	KW	n/a	n/a	VJ2783
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	1.6	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	4.7	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.53	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:	VEW-4		
Lab Sample ID:	F63812-1	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	8.4	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	5.9	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	1.1	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	28.4	5.0	1.0	ug/l	V
103-65-1	n-Propylbenzene	5.2	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	38.6	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	3.7	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	4.9	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:	VEW-4		
Lab Sample ID:	F63812-1	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	98%		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:	VEW-4		
Lab Sample ID:	F63812-1	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	W045101.D	1	03/16/09	RB	03/11/09	OP28319	SW2291
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	4.7	0.95	0.24	ug/l	
91-57-6	2-Methylnaphthalene	4.8	0.95	0.24	ug/l	
91-20-3	Naphthalene	14.6	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	60%		42-108%
321-60-8	2-Fluorobiphenyl	49%		40-106%
1718-51-0	Terphenyl-d14	78%		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:	VEW-2		
Lab Sample ID:	F63812-2	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	J045690.D	1	03/16/09	KW	n/a	n/a	VJ2783
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	0.39	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	

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RL = Reporting Limit = PQL
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V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VEW-2		
Lab Sample ID:	F63812-2	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	0.61	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	1.3	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	1.1	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	5.8	5.0	1.0	ug/l	V
103-65-1	n-Propylbenzene	2.5	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:	VEW-2		
Lab Sample ID:	F63812-2	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	97%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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

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

Report of Analysis

Client Sample ID:	VEW-2		
Lab Sample ID:	F63812-2	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	W045136.D	1	03/17/09	RB	03/11/09	OP28319	SW2292
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	0.55	0.95	0.24	ug/l	I
91-57-6	2-Methylnaphthalene	1.8	0.95	0.24	ug/l	
91-20-3	Naphthalene	1.5	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	54%		42-108%
321-60-8	2-Fluorobiphenyl	47%		40-106%
1718-51-0	Terphenyl-d14	74%		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
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	VEW-1		
Lab Sample ID:	F63812-3	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	J045704.D	1	03/17/09	KW	n/a	n/a	VJ2784
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	0.75	1.0	0.28	ug/l	I
135-98-8	sec-Butylbenzene	2.2	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.46	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:	VEW-1		
Lab Sample ID:	F63812-3	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	1.1	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	2.1	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.84	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	2.1	5.0	1.0	ug/l	I
103-65-1	n-Propylbenzene	3.4	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	7.6	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.29	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:	VEW-1		
Lab Sample ID:	F63812-3	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	103%		84-120%

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

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

Report of Analysis

Client Sample ID:	VEW-1		
Lab Sample ID:	F63812-3	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	W045137.D	1	03/17/09	RB	03/11/09	OP28319	SW2292
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	0.71	0.95	0.24	ug/l	I
91-57-6	2-Methylnaphthalene	0.35	0.95	0.24	ug/l	I
91-20-3	Naphthalene	0.50	0.95	0.24	ug/l	I
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	59%		42-108%
321-60-8	2-Fluorobiphenyl	54%		40-106%
1718-51-0	Terphenyl-d14	83%		39-121%

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:	F63812-4	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	J045705.D	1	03/17/09	KW	n/a	n/a	VJ2784
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	0.61	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

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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:	F63812-4	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	0.67	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	1.1	5.0	1.0	ug/l	I
103-65-1	n-Propylbenzene	0.61	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	5.1	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:	F63812-4	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	95%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

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

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

Report of Analysis

Client Sample ID:	CEF-293-22		
Lab Sample ID:	F63812-4	**Date Sampled:**	03/04/09
Matrix:	AQ - Ground Water	**Date Received:**	03/10/09
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	W045138.D	1	03/17/09	RB	03/11/09	OP28319	SW2292
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	0.44	0.95	0.24	ug/l	I
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	68%		42-108%
321-60-8	2-Fluorobiphenyl	60%		40-106%
1718-51-0	Terphenyl-d14	80%		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:	TRIP BLANK		
Lab Sample ID:	F63812-5	**Date Sampled:**	03/04/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/10/09
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	J045693.D	1	03/16/09	KW	n/a	n/a	VJ2783
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:	F63812-5	**Date Sampled:**	03/04/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/10/09
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:	F63812-5	**Date Sampled:**	03/04/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	03/10/09
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	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	94%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST. 29432

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

Accutest JOB # F63812 PAGE 1 OF 1
Accutest Quote # SDG#

Client / Reporting Information

Company Name: Solutions-FES
Address: 1101 Nowell Rd
City: Raleigh State: NC Zip: 27607
Project Contact: Jessica Dehart Email: JDehart@solutions-FES.com
Phone#: 919-873-1060
Sampler(s) Name(s) (Printed)

Project Information

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

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	8260	PAH by 8270
1	VEW-4	3/4/09	1210	LH	H2O	5		X	X							X	X
2	VEW-2		1208	DM													
3	VEW-1		1315	DM													
4	CEF-293-22		1310	LH													
5	Trip Blank	—	—	—		2											

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

LAB USE ONLY

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

Date Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

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

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	3/4/09 1230	2 Accutest	3		4
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6 3-10-09 09:30	7		8

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

F63812: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F63912 CLIENT: Solutions-IES PROJECT: Day Tank 1

DATE/TIME RECEIVED: 3-10-09 09:30 # OF COOLERS RECEIVED: ____ COOLER TEMPS: ____

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 ? 0

NUMBER OF 5035 FIELD KITS ? 0

NUMBER OF LAB FILTERED METALS ? 0

SUMMARY OF COMMENTS: ____

TECHNICIAN SIGNATURE/DATE E.T. 3-10-09 TECHNICIAN SIGNATURE/DATE ____

ASBD 12/17/07

F63812: Chain of Custody
Page 2 of 2