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NAS CECIL FIELD, FL
5090.3a

"FIRST QUARTER SECOND YEAR GROUNDWATER MONITORING LETTER REPORT FOR BUILDING 81 TANKS 81 A, B AND C DRAFT ACTING AS FINAL NAS CECIL FIELD FL"
6/8/2007
TETRA TECH NUS INC

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DRAFT

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June 8, 2007

Project Number 00378

Mr. David Grabka
Remedial Project Manager
Technical Review/Federal Facilities
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Reference: CLEAN IV Contract Number N62467-04-D-0055
Contract Task Order Number 0025

Subject: Groundwater Monitoring Report, 1st Quarter, 2nd Year (February 2007)
Building 81, Tanks 81 A, B, and C
Naval Air Station Cecil Field
Jacksonville, Florida

Dear Mr. Grabka:

Tetra Tech NUS, Inc. (TtNUS) is pleased to submit this Quarterly Groundwater Monitoring Report for the referenced Contract Task Order for Building 81, Tanks 81 A, B, and C. This Groundwater Monitoring Report was prepared for the Naval Facilities Engineering Command Southeast (NAVFAC SE) under the Comprehensive Long-Term Environmental Action Navy (CLEAN) IV Contract Number N62467-04-D-0055.

The primary objective of current activities at this site is to conduct quarterly monitoring of groundwater associated with the shallow and intermediate zones of the surficial aquifer. The sampling program was accomplished in general accordance with the Natural Attenuation Monitoring Plan (NAMP) Approval Order signed by the Florida Department of Environmental Protection (FDEP) on October 1, 2002 (see Attachment A), based on Chapter 62-770.690, Florida Administrative Code. This report summarizes the field operations and analytical results for the subject site for the sampling event conducted on February 5 and 6, 2007. Figure 1 shows the locations of the monitoring wells at the site. The work was performed in general accordance with the FDEP Standard Operating Procedures (SOPs) under DEP-SOP-001/01.

FIELD OPERATIONS

Groundwater samples were collected from seven shallow monitoring wells (CEF-081-08SR, CEF-081-09S, CEF-081-13S, CEF-081-14S, CEF-081-15S, CEF-081-16S, and CEF-081-17S) and four intermediate monitoring wells (CEF-081-01I, CEF-081-18I, CEF-081-19I, and CEF-081-20I) on February 5 and 6, 2007. Following collection, the samples were placed on ice and hand-delivered under chain of custody to ENCO Laboratories in Jacksonville, Florida. The laboratory analyzed the samples for volatile organic compounds using United States Environmental Protection Agency (USEPA) Method SW-846 8260B and for polynuclear aromatic hydrocarbons using USEPA Method SW-846 8270C.

Prior to obtaining groundwater samples, synoptic water levels and total well depths were measured and recorded on a site-specific groundwater measurement sheet. On February 5, 2007, the depth-to-water ranged from 6.65 feet below top of casing (btoc) (CEF-81-13S) to 9.73 feet btoc (CEF-81-16S). Depth-to-

water measurements, top-of-casing elevations, and groundwater elevations are presented in Table 1. General sampling protocols were in accordance with FDEP SOPs and TtNUS SOP SA-1.1.

RESULTS

The Groundwater elevation data and flow direction for the shallow zone are shown on Figure 2. Based on the data, the inferred general direction of shallow zone groundwater flow is to the northeast. Groundwater elevation data and flow direction for the intermediate zone are shown on Figure 3. Based on the data, the inferred general direction of intermediate zone groundwater flow is indeterminate.

The constituents of concern (COCs) listed in the NAMP Approval Order (see Attachment A) include isopropyl benzene, naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. COC concentrations reported by the laboratory for the groundwater samples collected for this sampling event were compared to FDEP Groundwater Cleanup Target Levels (GCTLs) and Natural Attenuation Default Source Concentrations. The data and applicablehttp://www.firstcoastnews.com/news/local/news-article.aspx?storyid=83675 standards are presented in Table 2, and the results are presented on Figure 4. The laboratory data (see Attachment B) indicate that isopropyl benzene was detected at 2.29 micrograms per liter (µg/L) in perimeter well CEF-81-09S, 0.95 µg/L in perimeter well CEF-81-14S, 1.26 µg/L in perimeter well CEF-81-18I, and 5.32 µg/L in perimeter well CEF-81-19I. These concentrations exceed the GCTL of 0.8 µg/L for isopropyl benzene. All other target analytes were either not detected or were detected at estimated concentrations less than their respective GCTLs.

CONCLUSIONS AND RECOMMENDATIONS

Shallow groundwater flow direction is to the northeast, which is consistent with historical groundwater data collected at the site. The intermediate zone groundwater elevation are consistent with measurements taken during the November 2006 Site Assessment Report Addendum.

The laboratory analytical results from the February 2007 sampling events indicate that concentrations of isopropyl benzene in groundwater exceed the GCTL in monitoring wells CEF-81-09S, CEF-81-14S, CEF-81-18I, and CEF-81-19I. No other COCs exceeded their respective GCTLs as listed in the NAMP Approval Order during this sampling event.

During the May 2007 Base Realignment and Closure (BRAC) Team (BCT) meeting, the installation of additional wells to further delineate contamination in the intermediate zone of the aquifer was suggested. The BCT agreed that adding two intermediate wells was the best course of action, and that the shallow zone was delineated. During this event, the two new wells will be installed, developed, and sampled for VOCs, including isopropylbenzene, along with the same 11 wells sampled in the 1st Quarter of the 2nd Year of sampling. The installation and sampling of the wells in scheduled for June 2007. A 1st Quarter, 2nd Year Groundwater Monitoring Report will be prepared when the results from the sampling event have been received and evaluated.

If you have any questions regarding this submittal, please feel free to contact Kara Wimble at (904) 730-4669, extension 214, or via e-mail at Kara.Wimble@ttnus.com.

Sincerely,

Mark Peterson, Task Order Manager
Florida Professional Geologist
PG Number 1917

Kara F. Wimble
Project Scientist

Enclosures (9)

c: Mark Davidson, NAVFAC SE (CD only)
M. Halil, CH2M Hill (CD only)
M. Perry, TtNUS (unbound and CD)
D. Humbert, TtNUS (letter only)
M. Speranza, TtNUS (letter only)
M. Jonnet, TtNUS (Cecil DMS) (CD)
J. Logan, TtNUS
R. Simcik, TtNUS (Bookcase File)
J. Johnson, TtNUS (Information Repository) (CD)
CTO 0025 Project File

CERTIFICATION

The information contained herein is based on the geologic investigation and associated information detailed in the text and appended to this report. If conditions are determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of any additional information on the information described in this report. This Groundwater Monitoring Report, 1st Quarter, 2nd Year (February 2007) for Building 81, Tanks 81 A, B, and C at the Naval Air Station Cecil Field, Jacksonville, Florida, and should not be construed to apply to any other site.

_____

June 8, 2007
Mark A. Peterson, P.G.
Florida License Number PG-0001852

TABLES

Table 1
Groundwater Elevation Data

Quarterly Groundwater Monitoring Report
Building 81, Tanks 81 A, B, and C
Naval Air Station Cecil Field
Jacksonville, Florida

Monitoring Well Identification	Well Depth (ft btoc)	TOC Elevation (ft above msl)	January 11, 2002		May 23, 2002		January 7, 2003		March 13, 2003		February 18, 2005		January 5, 2007		February 5, 2007	
			Depth to Water (ft btoc)	Water-Level Elevation (ft above msl)	Depth to Water (ft btoc)	Water-Level Elevation (ft above msl)	Depth to Water (ft btoc)	Water-Level Elevation (ft above msl)	Depth to Water (ft btoc)	Water-Level Elevation (ft above msl)	Depth to Water (ft btoc)	Water-Level Elevation (ft above msl)	Depth to Water (ft btoc)	Water-Level Elevation (ft above msl)	Depth to Water (ft btoc)	Water-Level Elevation (ft above msl)
CEF-80-3S	15.12	77.68	4.74	72.94	5.22	72.46	5.07	72.61	3.16	74.52	6.61	71.07	NM	NM	NM	NM
CEF-80-13S	14.90	78.17	4.96	73.21	5.48	72.69	5.51	72.66	3.56	74.61	7.09	71.08	NM	NM	NM	NM
CEF-81-2S	15.00	78.41	NM	NM	6.02	72.39	NM	NM	3.39	75.02	7.34	71.07	9.84	68.57	NM	NM
CEF-81-8SR	12.94	77.61	4.62	72.99	5.06	72.55	5.14	72.47	2.90	74.71	6.57	71.04	8.97	68.64	8.44	69.17
CEF-81-9S	12.74	77.72	4.73	72.99	5.19	72.53	5.16	72.56	3.08	74.64	6.78	70.94	9.15	68.57	8.70	69.02
CEF-81-10S	12.99	78.46	5.45	73.01	5.98	72.48	5.68	72.78	4.18	74.28	7.52	70.94	9.83	68.63	NM	NM
CEF-81-11S	12.88	78.47	5.46	73.01	5.97	72.50	5.56	72.91	4.06	74.41	7.48	70.99	9.81	68.66	NM	NM
CEF-81-12S	11.68	77.37	4.37	73.00	4.81	72.56	4.91	72.46	2.42	74.95	6.21	71.16	9.65	67.72	6.77	70.60
CEF-81-13S	12.14	77.91	4.92	72.99	5.36	72.55	5.27	72.64	3.24	74.67	6.91	71.00	7.34	70.57	6.65	71.26
CEF-81-14S	13.00	78.30	NI	NI	5.85	72.45	6.13	72.17	3.78	74.52	7.41	70.89	9.79	68.51	9.44	68.86
CEF-81-1I	29.25	77.73	4.77	72.96	4.77	72.96	5.65	72.08	3.16	74.57	6.79	70.94	9.19	68.54	8.86	68.87
CEF-P25-1S	12.00	77.57	NM	NM	5.17	72.40	6.00	71.57	2.36	75.21	6.52	71.05	9.03	68.54	8.69	68.88
CEF-81-2I	30.00	77.42	NI	NI	NI	NI	NI	NI	NI	NI	6.54	70.88	8.94	68.48	8.62	68.80
CEF-81-3I	30.00	77.78	NI	NI	NI	NI	NI	NI	NI	NI	6.95	70.83	9.34	68.44	9.05	68.73
CEF-81-4I	30.00	77.54	NI	NI	NI	NI	NI	NI	NI	NI	6.74	70.80	9.09	68.45	8.77	68.77
CEF-81-5I	30.00	77.84	NI	NI	NI	NI	NI	NI	NI	NI	7.01	70.83	9.33	68.51	9.01	68.83
CEF-81-1D	55.00	77.77	NI	NI	NI	NI	NI	NI	NI	NI	6.83	70.94	NM	NM	8.97	68.80
CEF-81-15S	15.00	78.03	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.51	68.52	9.15	68.88
CEF-81-16S	15.00	78.53	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	10.05	68.48	9.73	68.80
CEF-81-17S	15.00	78.35	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.82	68.53	9.48	68.87
CEF-81-18I	35.00	78.33	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.79	68.54	9.50	68.83
CEF-81-19I	35.00	78.15	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.61	68.54	9.31	68.84
CEF-81-20I	35.00	77.63	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	9.09	68.54	8.77	68.86

Notes:
msl = mean sea level
NI = not installed
NM = not measured
TOC = top of casing

Table 2
Groundwater Analytical Data

Quarterly Groundwater Monitoring Report
Building 81, Tanks 81 A, B, and C
Naval Air Station Cecil Field
Jacksonville, Florida

Parameter	GCTL	NADSC	CEF-081-01I		CEF-081-08SR		CEF-081-09S		CEF-081-13S	
			02/18/05	02/05/07	02/18/05	02/05/07	02/18/05	02/05/07	02/21/05	02/06/07
VOCs (µg/L)										
Ethylbenzene	30	300	0.5 U	0.3 U	0.5 U	0.3 U	0.6 J	0.3 U	0.5 U	0.3 U
Isopropylbenzene	0.8	8	0.69 J	0.36 J	0.5 U	0.1 U	**2.8**	**2.29**	0.5 U	0.1 U
Toluene	40	400	0.5 U	0.2 U	0.5 U	0.2 U	0.5 U	0.2 U	0.5 U	0.24 J
PAHs (µg/L)										
1-Methylnaphthalene	28	280	0.49 U	0.02 U	0.49 U	0.02 U	9.2	0.47	0.48 U	0.02 U
2-Methylnaphthalene	28	280	0.49 U	0.02 U	0.49 U	0.02 U	5.7	0.07 J	0.48 U	0.02 U
Acenaphthene	20	200	0.98 U	0.24	0.98 U	0.02 U	0.99 U	0.07 J	0.96 U	0.02 U
Fluorene	280	2800	0.98 U	0.51	0.98 U	0.02 U	0.99 U	0.1	0.96 U	0.02 U
Naphthalene	14	140	0.98 U	0.22	0.98 U	0.02 U	4.2	0.16	0.96 U	0.02 U
Phenanthrene	210	2100	0.98 U	0.02 U	0.98 U	0.02 U	0.99 U	0.02 U	0.96 U	0.02 U
Pyrene	210	2100	0.49 U	0.02 U	0.49 U	0.02 U	0.5 U	0.02 U	0.48 U	0.02 U

Table 2
Groundwater Analytical Data

Quarterly Groundwater Monitoring Report
Building 81, Tanks 81 A, B, and C
Naval Air Station Cecil Field
Jacksonville, Florida

Parameter	GCTL	NADSC	CEF-081-14S		CEF-081-15S		CEF-081-16S		CEF-081-17S	
			02/18/05	02/06/07	11/21/06	02/06/07	11/21/06	02/06/07	11/21/06	02/06/07
VOCs (µg/L)										
Ethylbenzene	30	300	0.5 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Isopropylbenzene	0.8	8	**3.3**	**0.95 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Toluene	40	400	0.5 U	0.2 U	0.2 U	0.21 J	0.2 U	0.2 U	0.2 U	0.2 U
PAHs (µg/L)										
1-Methylnaphthalene	28	280	9.9	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
2-Methylnaphthalene	28	280	6.2	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Acenaphthene	20	200	0.97 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Fluorene	280	2800	0.97 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Naphthalene	14	140	7.8	0.16	0.55	0.06 J	0.02 U	0.02 U	0.02 U	0.02 U
Phenanthrene	210	2100	0.97 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Pyrene	210	2100	0.49 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

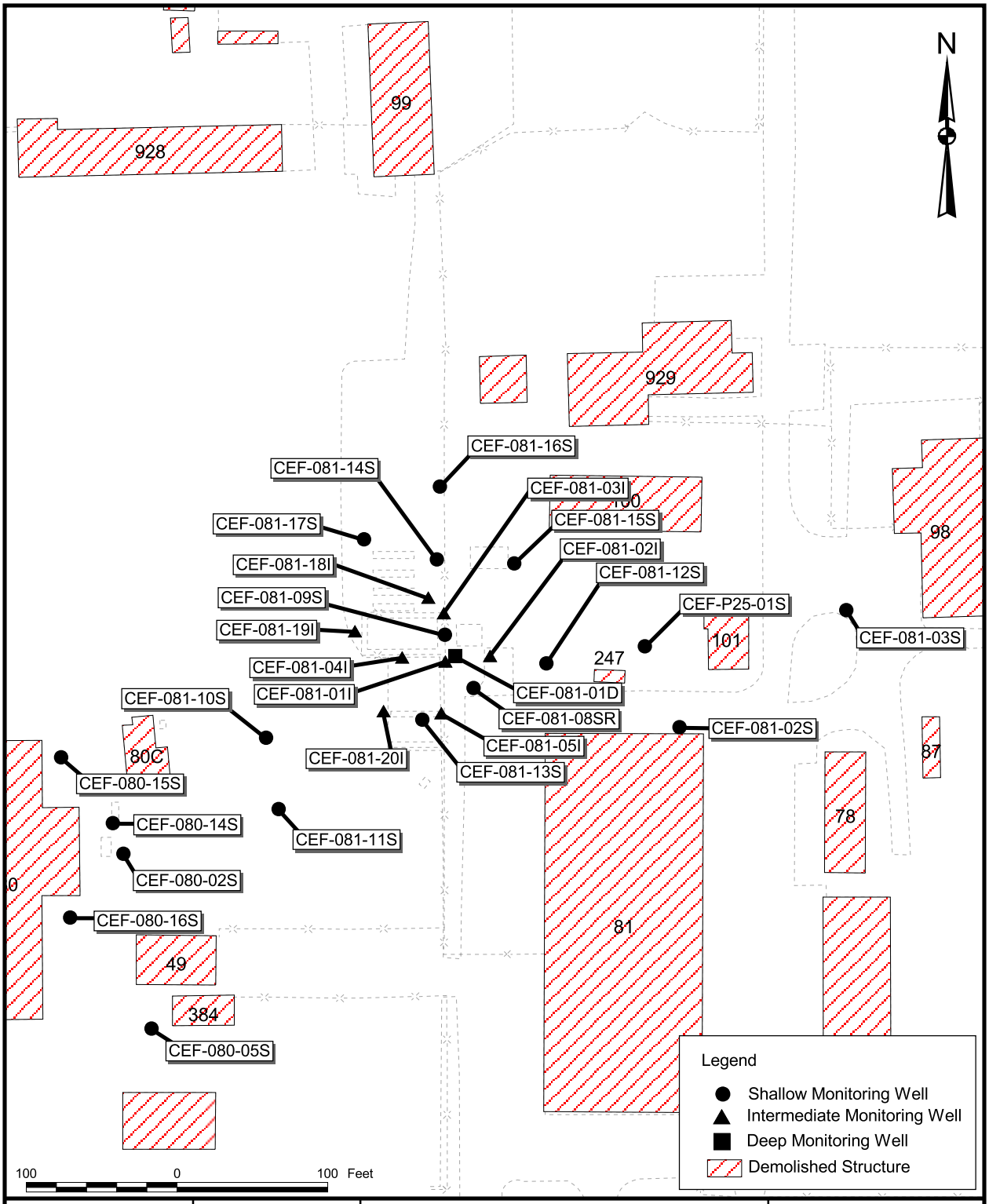
Table 2
Groundwater Analytical Data

Quarterly Groundwater Monitoring Report
Building 81, Tanks 81 A, B, and C
Naval Air Station Cecil Field
Jacksonville, Florida

Parameter	GCTL	NADSC	CEF-081-18I				CEF-081-19I		CEF-081-20I	
			11/22/06		02/05/07		11/22/06	02/06/07	11/22/06	02/06/07
			Sample	Duplicate	Sample	Duplicate				
VOCs (µg/L)										
Ethylbenzene	30	300	0.3 U	0.3 U	0.3 U	0.3 U	0.7 J	1.18	0.3 U	0.3 U
Isopropylbenzene	0.8	8	**1**	**1.2**	**1.26**	**1.19**	**2.8**	**5.32**	0.2 J	0.1 U
Toluene	40	400	0.5 J	0.2 U	0.23 J	0.2 U	0.2 U	0.2 U	0.3 J	0.37 J
PAHs (µg/L)										
1-Methylnaphthalene	28	280	0.09 J	0.08 J	0.02 U	0.02 U	6.5	11.6	0.02 U	0.03 U
2-Methylnaphthalene	28	280	0.02 U	0.02 U	0.02 U	0.02 U	4.31	8.43	0.02 U	0.03 U
Acenaphthene	20	200	0.16	0.18	0.16	0.14	0.28	0.27	0.08 J	0.03 U
Fluorene	280	2800	0.23	0.27	0.23	0.2	0.65	0.64	0.15	0.06 J
Naphthalene	14	140	0.26	0.29	0.31	0.2	1.01	1.29	0.07 J	0.03 U
Phenanthrene	210	2100	0.02 U	0.02 U	0.02 U	0.02 U	0.1	0.09 J	0.02 U	0.03 U
Pyrene	210	2100	0.02 U	0.02 U	0.06 J	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U

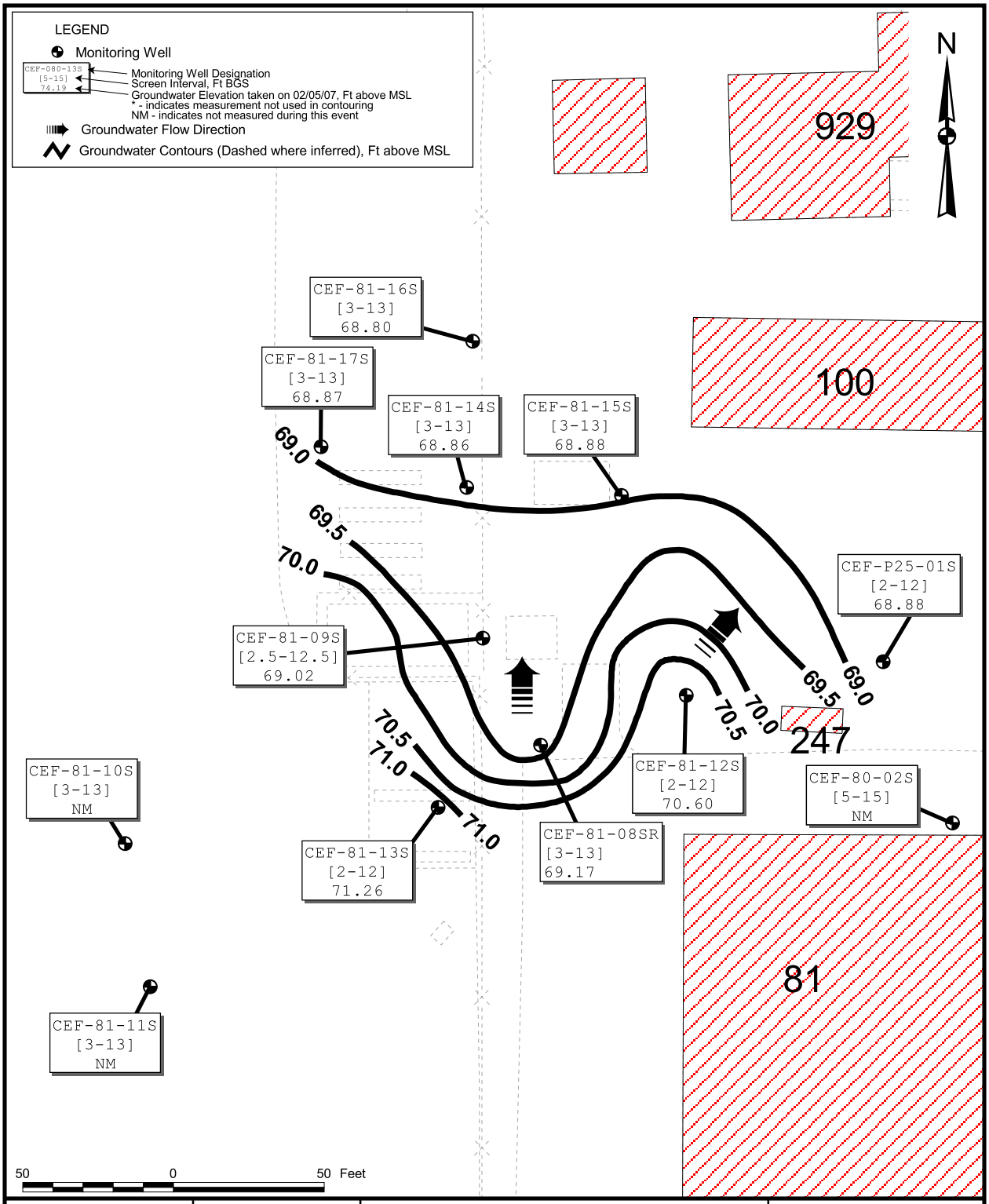
Notes:
VOCs = volatile organic compounds
PAHs = polynuclear aromatic hydrocarbons
FDEP GCTLs from Chapter 62-777, F.A.C.
NADSC from Chapter 62-777, F.A.C.
Bold indicates concentration greater than FDEP criterion.
U = not detected at detection limit shown
µg/L = micrograms per liter
J = estimated concentration

FIGURES



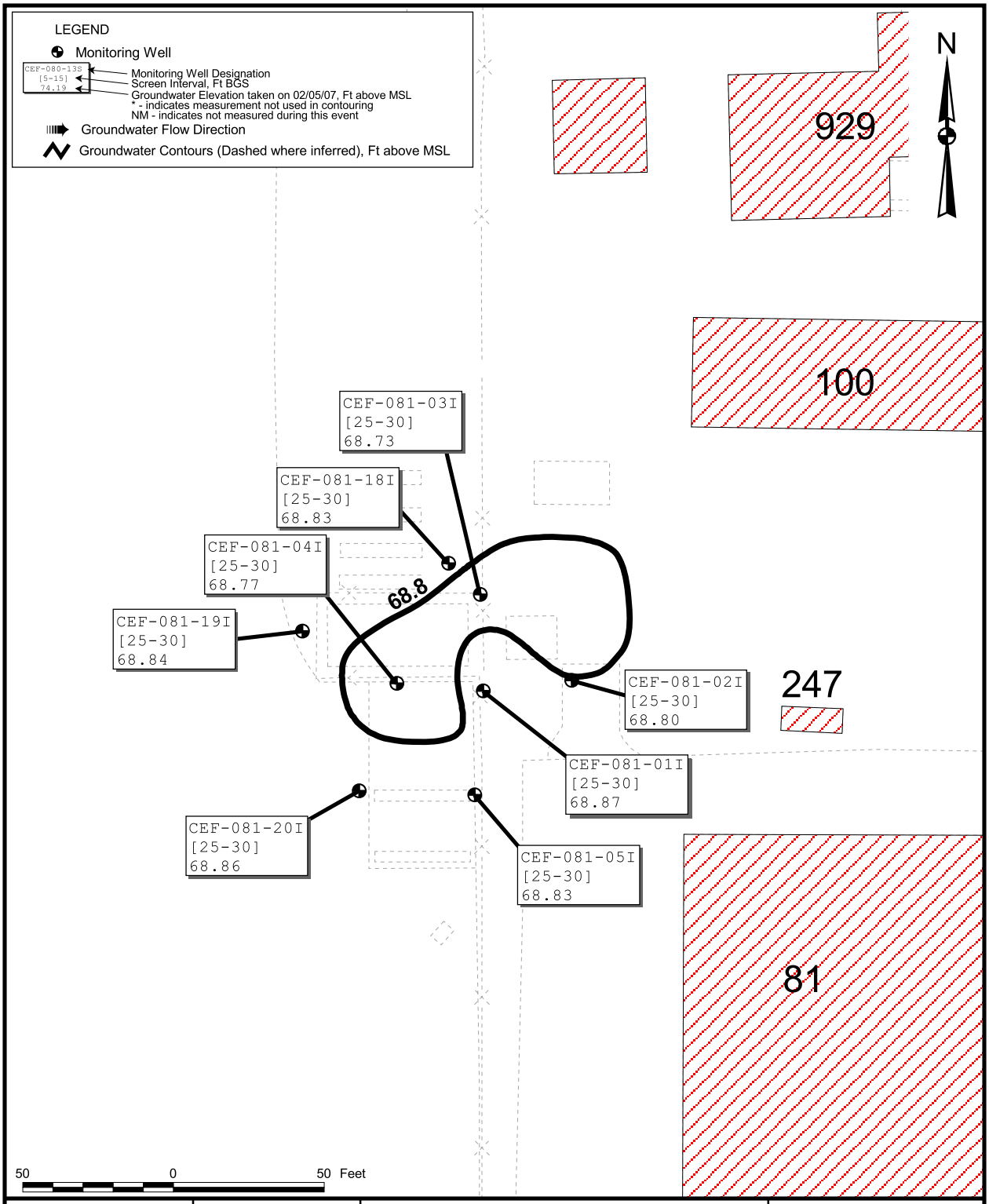
DRAWN BY MJJ	DATE 20Apr07	MONITORING WELL LOCATION MAP TANKS 81 A, B, & C QUARTERLY MONITORING REPORT NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0378
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 1 / REV 0

P:\GIS\NAS_CecilField\Tank_81ABC_20070420.apr 31May07 MJJ Layout12



DRAWN BY MJJ	DATE 20Apr07	GROUNDWATER FLOW MAP (02/05/07) SHALLOW ZONE TANKS 81 A, B, & C QUARTERLY MONITORING REPORT NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0378
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2 / REV 0

P:\GIS\NAS_CecilField\Tank_81ABC_20070420.apr 31May07 MJJ Layout10



DRAWN BY MJJ	DATE 20Apr07	GROUNDWATER FLOW MAP (02/05/07) INTERMEDIATE ZONE TANKS 81 A, B, & C QUARTERLY MONITORING REPORT NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0378
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 3 / REV 0

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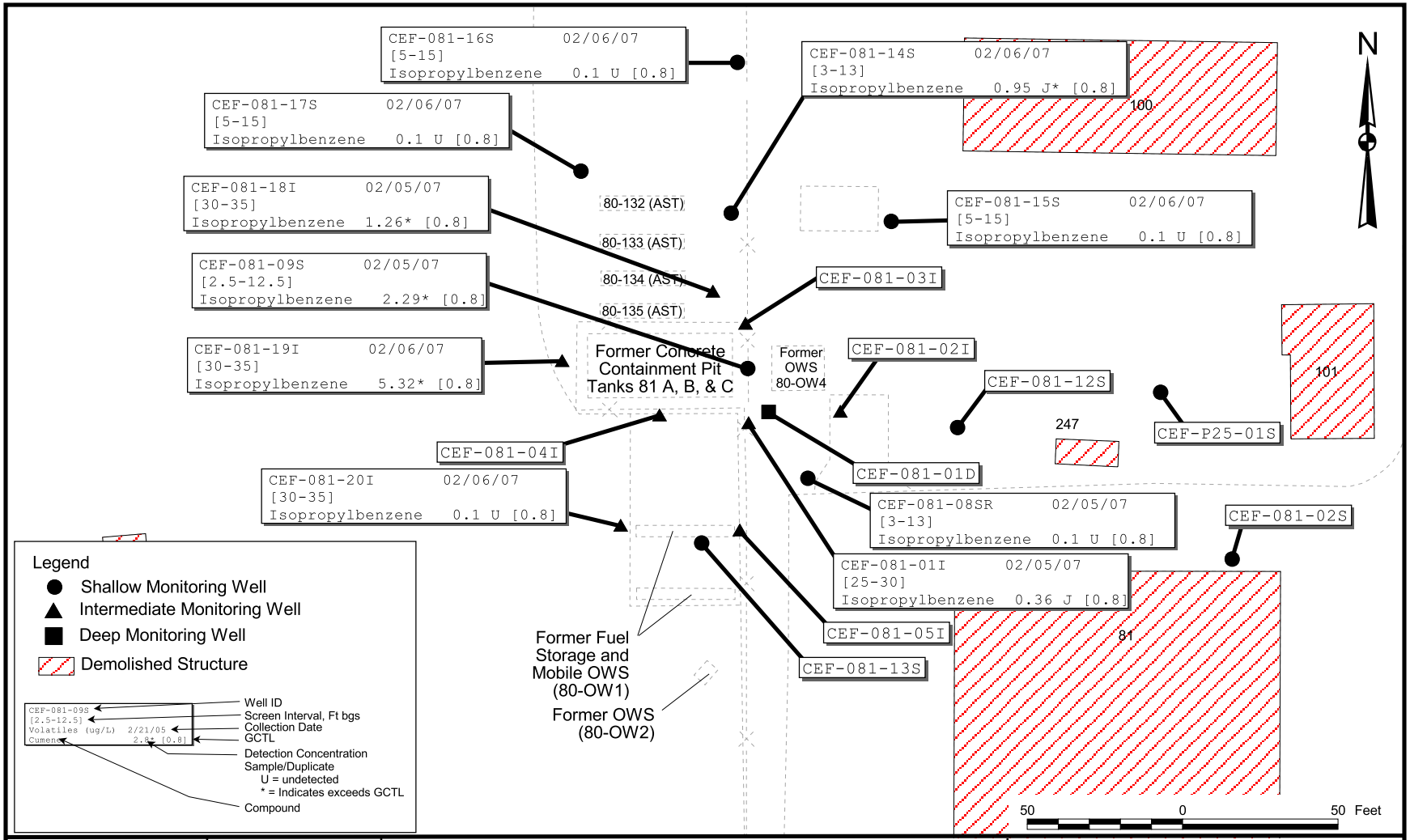

DATE		DRAWN BY	CONTRACT NUMBER
MJJ	20Apr07		0378
CHECKED BY	DATE	APPROVED BY	DATE
COST/SCHEDULE-AREA		APPROVED BY	DATE
SCALE		DRAWING NO.	REV
AS NOTED		FIGURE 4	0

GROUNDWATER COC MAP

TANKS 81 A, B, & C

QUARTERLY MONITORING REPORT

NAVAL AIR STATION CECIL FIELD

JACKSONVILLE, FLORIDA

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ATTACHMENT A

FDEP NAMP APPROVAL ORDER

Department of
Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

October 1, 2002

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer
Attn: Mr. Wayne Hansel, Code ES245
Southern Division
Naval Facilities Engineering Command
Post Office Box 190010
North Charleston, South Carolina 29419-9010

Subject: Natural Attenuation Monitoring Plan Approval Order
Building 81, Tanks 81 A, B and C
Naval Air Station Cecil Field
Jacksonville, Duval County

Dear Mr. Hansel:

The Bureau of Waste Cleanup has completed the review of the Site Assessment Report dated July 2002 (received July 22, 2002) for the petroleum product discharge discovered at this site. Pursuant to Rule 62-770.690, Florida Administrative Code (F.A.C.), the Department of Environmental Protection (Department) approves the Natural Attenuation Monitoring Plan. Pursuant to Rule 62-770.690(7), F.A.C., you are required to complete the monitoring program outlined below. The first sampling event should be performed within 60 days of receipt of this Natural Attenuation Monitoring Plan Approval Order (Order). Water-level measurements should be made immediately prior to each sampling event. The analytical results (laboratory report), chain of custody, cumulative summary table of the analytical results, site map(s) illustrating the most recent analytical results, and the water-level elevation information (cumulative summary table and most recent flow interpretation map), must be submitted to the Department within 60 days of sample collection.

The monitoring wells to be sampled, the sampling parameters, and the sampling frequency for the first year are as follows:

Monitoring Wells	Contaminants of Concern	Frequency	Duration
CEF-81-9S, CEF-81-13S, CEF-81-8SR, CEF-81-1I, and CEF-81-14S	SVOCs	Quarterly	One year

The approved Remedial Action by Natural Attenuation monitoring period is one year. The sampling frequency will be evaluated following the submittal of the first annual report to determine whether semiannual or annual sampling may be appropriate. If there are enough data at a later time to estimate the monitoring period necessary to meet the applicable No Further Action criteria set forth in Rule 62-770.680, F.A.C., then that time period should be established and annual "milestone" objectives calculated.

If concentrations of contaminants of concern in any of the designated wells increase above the action levels listed below, the well or wells must be resampled no later than 30 days after the initial positive results are known. If the results of the resampling confirm the initial sampling results, then a proposal as described in Rule 62-770.690(7)(f), F.A.C., must be submitted to the Department.

Contaminated well:

CEF-81-9S: 8 µg/l isopropyl benzene; 200 µg/l naphthalene; 100 µg/l 1,2,4-trimethylbenzene; 100 µg/l 1,3,5-trimethylbenzene

Perimeter wells (temporary points of compliance):

CEF-81-13S, CEF-81-8SR, CEF-81-1S and CEF-81-14S: .8 µg/l isopropyl benzene; 20 µg/l naphthalene; 10 µg/l 1,2,4-trimethylbenzene; 10 µg/l 1,3,5-trimethylbenzene

If the applicable No Further Action criteria in Rule 62-770.680, F.A.C., are met at the end of the monitoring period, a Site Rehabilitation Completion Report, summarizing the monitoring program and containing documentation supporting the opinion that the cleanup objectives have been achieved, must be submitted as required in Rule 62-770.690(8), F.A.C. If the applicable No Further Action criteria in Rule 62-770.680, F.A.C., are not met following one year of monitoring, then a report summarizing the monitoring program must be submitted, including a proposal as described in Rule 62-770.690(7)(g), F.A.C.

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative proceeding (hearing) is filed under Sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for a hearing are set forth below.

Persons affected by this Order have the following options:

If you choose to accept the above decision by the Department about the Post-Active Remediation Monitoring Plan you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.

If you disagree with the decision, you may do one of the following:

(1) File a petition for administrative hearing with the Department's Office of General Counsel within 21 days of receipt of this Order; or

(2) File a request for an extension of time to file a petition for hearing with the Department's Office of General Counsel within 21 days of receipt of this Order. Such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for hearing.

Please be advised that mediation of this decision pursuant to Section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Southern Division Naval Facilities Engineering Command, shall mail a copy of the request to Southern Division Naval Facilities Engineering Command at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Southern Division Naval Facilities Engineering Command, shall mail a copy of the petition to Southern Division Naval Facilities Engineering Command at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Section 120.54(5)(b)4.a., F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

(a) The name, address, and telephone number of each petitioner, the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the FDEP facility number, and the name and address of the facility;
(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
(c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
(d) A statement of the material facts disputed by the petitioner, or a statement that there are no disputed facts;
(e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an order responding to supplemental information provided pursuant to meetings with the Department.

Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the clerk of the Department (see below).

Questions

Any questions regarding the Department's review of your Site Assessment Report should be directed to David P. Grabka at (850) 921-9991. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 488-9314. Contact with any of

the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.

Sincerely,

Douglas A. Jones, Chief
Bureau of Waste Cleanup
Division of Waste Management

DAJ/dpg

cc: Brian Cheary, FDEP Northeast District Office
Paul Calligan, Tetra Tech NUS, Inc., Tampa
Debbie Vaughn-Wright, USEPA Region 4, Atlanta, GA
Scott Glass, Southern Division Naval Facilities Engineering Command, Charleston, SC
File

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to
§120.52 Florida Statutes, with the
designated Department Clerk, receipt
of which is hereby acknowledged.

Clerk
(or Deputy Clerk)

October 1, 2002
Date

ATTACHMENT B

GROUNDWATER ANALYTICAL REPORT
FEBRUARY 5-6, 2007

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 211
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

www.encolabs.com

Friday, February 23, 2007

Tetra Tech NUS (BR006)

Attn: Kara Wimble

8640 Philips Highway Suite 16

Jacksonville, FL 32256

RE: Project Number: 112G00378 81 ABC, Project Name/Desc: NAS Cecil Field CTO #0025
ENCO Workorder: B701010

Dear Kara Wimble,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, February 7, 2007.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Christina M. Tompkins

Chris Tompkins
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 38.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: CEF-081-01I-02052007 **Lab ID:** B701010-01

Sampled: 02/05/07 15:00 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/19/07		02/16/07 09:00	2/19/2007 20:41
EPA 8270C	02/12/07	03/19/07	02/07/07 19:35	2/10/2007 01:37

Client ID: CEF-081-09S-02052007 **Lab ID:** B701010-02

Sampled: 02/05/07 16:15 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/19/07		02/16/07 09:00	2/19/2007 19:03
EPA 8270C	02/12/07	03/19/07	02/07/07 19:35	2/10/2007 01:54

Client ID: CEF-081-08SR-02052007 **Lab ID:** B701010-03

Sampled: 02/05/07 17:40 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/19/07		02/16/07 09:00	2/19/2007 19:36
EPA 8270C	02/12/07	03/19/07	02/07/07 19:35	2/10/2007 02:12

Client ID: CEF-081-18I-02052007 **Lab ID:** B701010-04

Sampled: 02/05/07 18:40 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/19/07		02/16/07 09:00	2/19/2007 20:08
EPA 8270C	02/12/07	03/19/07	02/07/07 19:35	2/10/2007 02:29

Client ID: CEF-081-DU01-02052007 **Lab ID:** B701010-05

Sampled: 02/05/07 00:00 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/19/07		02/16/07 09:00	2/19/2007 18:30
EPA 8270C	02/12/07	03/19/07	02/07/07 19:35	2/10/2007 02:47

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Client ID: CEF-081-EB01-02052007 **Lab ID:** B701010-06

Sampled: 02/05/07 19:00 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/19/07		02/16/07 09:00	2/19/2007 17:57
EPA 8270C	02/12/07	03/19/07	02/07/07 19:35	2/10/2007 03:05

Client ID: CEF-081-19I-02062007 **Lab ID:** B701010-07

Sampled: 02/06/07 07:50 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/20/07		02/16/07 09:00	2/19/2007 21:13
EPA 8270C	02/13/07	03/19/07	02/07/07 19:35	2/10/2007 03:22

Client ID: CEF-081-20I-02062007 **Lab ID:** B701010-08

Sampled: 02/06/07 09:15 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/20/07		02/16/07 09:00	2/19/2007 17:25

Client ID: CEF-081-20I-02062007 **Lab ID:** B701010-08RE1

Sampled: 02/06/07 09:15 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8270C	02/13/07	03/25/07	02/13/07 15:04	2/15/2007 06:21

Client ID: CEF-081-15S-02062007 **Lab ID:** B701010-09

Sampled: 02/06/07 10:30 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/20/07		02/16/07 09:00	2/19/2007 21:46
EPA 8270C	02/13/07	03/19/07	02/07/07 19:35	2/10/2007 03:57

Client ID: CEF-081-14S-02062007 **Lab ID:** B701010-10

Sampled: 02/06/07 11:40 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/20/07		02/16/07 09:00	2/19/2007 22:19
EPA 8270C	02/13/07	03/19/07	02/07/07 19:35	2/10/2007 04:15

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Client ID: CEF-081-17S-02062007 **Lab ID:** B701010-11

Sampled: 02/06/07 12:30 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/20/07		02/16/07 09:00	2/19/2007 22:52
EPA 8270C	02/13/07	03/19/07	02/07/07 19:35	2/10/2007 04:33

Client ID: CEF-081-16S-02062007 **Lab ID:** B701010-12

Sampled: 02/06/07 15:50 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/20/07		02/16/07 09:00	2/19/2007 23:24
EPA 8270C	02/13/07	03/19/07	02/07/07 19:35	2/10/2007 04:50

Client ID: CEF-081-13S-02062007 **Lab ID:** B701010-13

Sampled: 02/06/07 17:00 **Received:** 02/07/07 08:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/20/07		02/16/07 09:00	2/19/2007 23:57
EPA 8270C	02/13/07	03/19/07	02/07/07 19:35	2/10/2007 05:08

SAMPLE DETECTION SUMMARY

Client ID: CEF-081-01I-02052007 **Lab ID:** B701010-01

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.24	0.10	ug/L	EPA 8270C
Fluorene	0.51	0.10	ug/L	EPA 8270C
Isopropylbenzene	0.36 J	1.00	ug/L	EPA 8260B
Naphthalene	0.22	0.10	ug/L	EPA 8270C

Client ID: CEF-081-09S-02052007 **Lab ID:** B701010-02

Analyte	Results/Qual	MRL	Units	Method
1-Methylnaphthalene	0.47	0.10	ug/L	EPA 8270C
2-Methylnaphthalene	0.07 J	0.10	ug/L	EPA 8270C
Acenaphthene	0.07 J	0.10	ug/L	EPA 8270C
Fluorene	0.10	0.10	ug/L	EPA 8270C
Isopropylbenzene	2.29	1.00	ug/L	EPA 8260B
Naphthalene	0.16	0.10	ug/L	EPA 8270C

Client ID: CEF-081-18I-02052007 **Lab ID:** B701010-04

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.16	0.10	ug/L	EPA 8270C
Fluorene	0.23	0.10	ug/L	EPA 8270C
Isopropylbenzene	1.26	1.00	ug/L	EPA 8260B
Naphthalene	0.31	0.10	ug/L	EPA 8270C
Pyrene	0.06 J	0.10	ug/L	EPA 8270C
Toluene	0.23 J	1.00	ug/L	EPA 8260B

Client ID: CEF-081-DU01-02052007 **Lab ID:** B701010-05

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.14	0.10	ug/L	EPA 8270C
Fluorene	0.20	0.10	ug/L	EPA 8270C
Isopropylbenzene	1.19	1.00	ug/L	EPA 8260B
Naphthalene	0.20	0.10	ug/L	EPA 8270C

Client ID: CEF-081-EB01-02052007 **Lab ID:** B701010-06

Analyte	Results/Qual	MRL	Units	Method
Toluene	0.37 J	1.00	ug/L	EPA 8260B

Client ID: CEF-081-19I-02062007 **Lab ID:** B701010-07

Analyte	Results/Qual	MRL	Units	Method
1-Methylnaphthalene	11.6	0.10	ug/L	EPA 8270C
2-Methylnaphthalene	8.43	0.10	ug/L	EPA 8270C
Acenaphthene	0.27	0.10	ug/L	EPA 8270C
Ethylbenzene	1.18	1.00	ug/L	EPA 8260B
Fluorene	0.64	0.10	ug/L	EPA 8270C
Isopropylbenzene	5.32	1.00	ug/L	EPA 8260B
Naphthalene	1.29	0.10	ug/L	EPA 8270C
Phenanthrene	0.09 J	0.10	ug/L	EPA 8270C

Client ID: CEF-081-20I-02062007

Analyte	Lab ID	Results/Qual	MRL	Units	Method
Toluene	B701010-08	0.37 J	1.00	ug/L	EPA 8260B

Client ID: CEF-081-20I-02062007

Analyte	Lab ID	Results/Qual	MRL	Units	Method
Fluorene	B701010-08RE2	0.06 J	0.12	ug/L	EPA 8270C

Client ID: CEF-081-15S-02062007

Analyte	Lab ID	Results/Qual	MRL	Units	Method
Naphthalene	B701010-09	0.06 J	0.10	ug/L	EPA 8270C
Toluene	B701010-09	0.21 J	1.00	ug/L	EPA 8260B

Client ID: CEF-081-14S-02062007

Analyte	Lab ID	Results/Qual	MRL	Units	Method
Isopropylbenzene	B701010-10	0.95 J	1.00	ug/L	EPA 8260B
Naphthalene	B701010-10	0.16	0.10	ug/L	EPA 8270C

Client ID: CEF-081-13S-02062007

Analyte	Lab ID	Results/Qual	MRL	Units	Method
Toluene	B701010-13	0.24 J	1.00	ug/L	EPA 8260B

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ANALYTICAL REPORT

Sample ID:	CEF-081-011-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-01	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	**0.36 J**	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	0.20 U	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51.6	50.0	103 %	75-120
Dibromofluoromethane	1868-53-7	48.8	50.0	98 %	85-115
Toluene-d8	2037-26-5	48.4	50.0	97 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-01I-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-01	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Acenaphthene	83-32-9	**0.24**	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	**0.51**	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	**0.22**	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	3.18	5.00	64 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-09S-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-02	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	**2.29**	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	0.20 U	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51.3	50.0	103 %	75-120
Dibromofluoromethane	1868-53-7	49.4	50.0	99 %	85-115
Toluene-d8	2037-26-5	48.3	50.0	97 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-09S-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-02	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	**0.47**	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	**0.07** J	0.02	0.10	ug/L
Acenaphthene	83-32-9	**0.07** J	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	**0.10**	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	**0.16**	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	2.00 S-04	5.00	40 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-08SR-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-03	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	0.20 U	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50.3	50.0	101 %	75-120
Dibromofluoromethane	1868-53-7	48.7	50.0	97 %	85-115
Toluene-d8	2037-26-5	48.5	50.0	97 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-08SR-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-03	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Acenaphthene	83-32-9	0.02 U	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	0.02 U	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	0.02 U	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	6.17	5.00	123 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-18I-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-04	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	**1.26**	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	**0.23** J	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	49.8	50.0	100 %	75-120
Dibromofluoromethane	1868-53-7	48.9	50.0	98 %	85-115
Toluene-d8	2037-26-5	49.0	50.0	98 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-18I-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-04	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Acenaphthene	83-32-9	**0.16**	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	**0.23**	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	**0.31**	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	**0.06** J	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	3.30	5.00	66 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-DU01-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-05	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	**1.19**	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	0.20 U	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	49.8	50.0	100 %	75-120
Dibromofluoromethane	1868-53-7	48.4	50.0	97 %	85-115
Toluene-d8	2037-26-5	46.8	50.0	94 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-DU01-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-05	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Acenaphthene	83-32-9	**0.14**	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	**0.20**	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	**0.20**	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	3.01	5.00	60 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-EB01-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-06	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	**0.37** J	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50.5	50.0	101 %	75-120
Dibromofluoromethane	1868-53-7	47.6	50.0	95 %	85-115
Toluene-d8	2037-26-5	47.6	50.0	95 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-EB01-02052007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-06	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Acenaphthene	83-32-9	0.02 U	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	0.02 U	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	0.02 U	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	3.39	5.00	68 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-19I-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-07	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	**1.18**	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	**5.32**	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	0.20 U	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50.1	50.0	100 %	75-120
Dibromofluoromethane	1868-53-7	50.0	50.0	100 %	85-115
Toluene-d8	2037-26-5	48.5	50.0	97 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-19I-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-07	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	**11.6**	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	**8.43**	0.02	0.10	ug/L
Acenaphthene	83-32-9	**0.27**	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	**0.64**	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	**1.29**	0.02	0.10	ug/L
Phenanthrene	85-01-8	**0.09** J	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	2.65	5.00	53 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-20I-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-08	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	**0.37 J**	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	48.6	50.0	97 %	75-120
Dibromofluoromethane	1868-53-7	47.0	50.0	94 %	85-115
Toluene-d8	2037-26-5	48.2	50.0	96 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-20I-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-08RE2	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/15/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00323		
QC Batch:	7B13014		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.03 U	0.03	0.12	ug/L
2-Methylnaphthalene	91-57-6	0.03 U	0.03	0.12	ug/L
Acenaphthene	83-32-9	0.03 U	0.03	0.12	ug/L
Acenaphthylene	208-96-8	0.02 U	0.02	0.12	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.12	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.12	ug/L
Benzo(a)pyrene	50-32-8	0.02 U	0.02	0.12	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.12	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.12	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.12	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.12	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.12	ug/L
Fluoranthene	206-44-0	0.02 U	0.02	0.12	ug/L
Fluorene	86-73-7	**0.06 J**	0.02	0.12	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.12	ug/L
Naphthalene	91-20-3	0.03 U	0.03	0.12	ug/L
Phenanthrene	85-01-8	0.03 U	0.03	0.12	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.12	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.01	6.10	82 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-15S-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-09	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	**0.21 J**	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	49.2	50.0	98 %	75-120
Dibromofluoromethane	1868-53-7	47.9	50.0	96 %	85-115
Toluene-d8	2037-26-5	48.3	50.0	97 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-15S-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-09	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Acenaphthene	83-32-9	0.02 U	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	0.02 U	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	**0.06 J**	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.16	5.00	103 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-14S-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-10	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	**0.95 J**	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	0.20 U	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50.1	50.0	100 %	75-120
Dibromofluoromethane	1868-53-7	49.2	50.0	98 %	85-115
Toluene-d8	2037-26-5	48.1	50.0	96 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-14S-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-10	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Acenaphthene	83-32-9	0.02 U	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	0.02 U	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	**0.16**	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	4.78	5.00	96 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-17S-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-11	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	0.20 U	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50.5	50.0	101 %	75-120
Dibromofluoromethane	1868-53-7	48.6	50.0	97 %	85-115
Toluene-d8	2037-26-5	47.6	50.0	95 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-17S-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-11	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Acenaphthene	83-32-9	0.02 U	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	0.02 U	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	0.02 U	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.39	5.00	108 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-16S-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-12	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	0.20 U	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50.2	50.0	100 %	75-120
Dibromofluoromethane	1868-53-7	47.6	50.0	95 %	85-115
Toluene-d8	2037-26-5	48.1	50.0	96 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-16S-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-12	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Acenaphthene	83-32-9	0.02 U	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	0.02 U	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	0.02 U	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	4.67	5.00	93 %	50-135

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ANALYTICAL REPORT

Sample ID:	CEF-081-13S-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-13	Work Order #:	B701010
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/19/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00331		
QC Batch:	7B16026		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.20 U	0.20	1.00	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.20 U	0.20	1.00	ug/L
Benzene	71-43-2	0.20 U	0.20	1.00	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.00	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.00	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.00	ug/L
Toluene	108-88-3	**0.24 J**	0.20	1.00	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.00	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	49.8	50.0	100 %	75-120
Dibromofluoromethane	1868-53-7	50.0	50.0	100 %	85-115
Toluene-d8	2037-26-5	48.7	50.0	97 %	85-120

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ANALYTICAL REPORT

Sample ID:	CEF-081-13S-02062007	Project:	NAS Cecil Field CTO #0025
Lab #:	B701010-13	Work Order #:	B701010
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	02/10/07 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00298		
QC Batch:	7B07029		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Acenaphthene	83-32-9	0.02 U	0.02	0.10	ug/L
Acenaphthylene	208-96-8	0.01 U	0.01	0.10	ug/L
Anthracene	120-12-7	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(a)pyrene	50-32-8	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Benzo(g,h,i)perylene	191-24-2	0.03 U	0.03	0.10	ug/L
Benzo(k)fluoranthene	207-08-9	0.02 U	0.02	0.10	ug/L
Chrysene	218-01-9	0.02 U	0.02	0.10	ug/L
Dibenzo(a,h)anthracene	53-70-3	0.02 U	0.02	0.10	ug/L
Fluoranthene	206-44-0	0.01 U	0.01	0.10	ug/L
Fluorene	86-73-7	0.02 U	0.02	0.10	ug/L
Indeno(1,2,3-cd)pyrene	193-39-5	0.02 U	0.02	0.10	ug/L
Naphthalene	91-20-3	0.02 U	0.02	0.10	ug/L
Phenanthrene	85-01-8	0.02 U	0.02	0.10	ug/L
Pyrene	129-00-0	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.40	5.00	108 %	50-135

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7B16026 - EPA 5030B_MS										
Blank (7B16026-BLK1)				Prepared: 02/16/2007 09:00 Analyzed: 02/19/2007 14:41						
Methyl-tert-Butyl Ether	0.20 U	1.00	ug/L							
Benzene	0.20 U	1.00	ug/L							
Toluene	0.20 U	1.00	ug/L							
Ethylbenzene	0.30 U	1.00	ug/L							
Isopropylbenzene	0.10 U	1.00	ug/L							
1,3,5-Trimethylbenzene	0.20 U	1.00	ug/L							
1,2,4-Trimethylbenzene	0.20 U	1.00	ug/L							
Xylenes (Total)	0.30 U	1.00	ug/L							
Tentatively Identified Compounds	0.00 U		ug/L							
Surrogate: Dibromofluoromethane	*47.7*		*ug/L*	*50.0*		*95*	*85-115*			
Surrogate: Toluene-d8	*48.2*		*ug/L*	*50.0*		*96*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*49.3*		*ug/L*	*50.0*		*99*	*75-120*			
LCS (7B16026-BS1)				Prepared: 02/16/2007 09:00 Analyzed: 02/19/2007 15:14						
Methyl-tert-Butyl Ether	17.5	1.00	ug/L	20.0		88	65-125			
Benzene	18.1	1.00	ug/L	20.0		90	80-120			
Toluene	17.8	1.00	ug/L	20.0		89	75-120			
Ethylbenzene	17.8	1.00	ug/L	20.0		89	75-125			
m,p-Xylenes	37.1	2.00	ug/L	40.0		93	75-130			
o-Xylene	19.1	1.00	ug/L	20.0		96	80-120			
Isopropylbenzene	19.8	1.00	ug/L	20.0		99	75-125			
1,3,5-Trimethylbenzene	18.7	1.00	ug/L	20.0		94	75-130			
1,2,4-Trimethylbenzene	18.1	1.00	ug/L	20.0		90	75-130			
Matrix Spike (7B16026-MS1)		**Source: B701010-08**		Prepared: 02/16/2007 09:00 Analyzed: 02/19/2007 15:47						
Methyl-tert-Butyl Ether	18.4	1.00	ug/L	20.0	0.20 U	92	65-125			
Benzene	18.8	1.00	ug/L	20.0	0.20 U	94	80-120			
Toluene	18.3	1.00	ug/L	20.0	0.370	90	75-120			
Ethylbenzene	18.6	1.00	ug/L	20.0	0.30 U	93	75-125			
m,p-Xylenes	38.0	2.00	ug/L	40.0	0.30 U	95	75-130			
o-Xylene	18.6	1.00	ug/L	20.0	0.20 U	93	80-120			
Isopropylbenzene	20.6	1.00	ug/L	20.0	0.10 U	103	75-125			
1,3,5-Trimethylbenzene	20.2	1.00	ug/L	20.0	0.20 U	101	75-130			
1,2,4-Trimethylbenzene	18.9	1.00	ug/L	20.0	0.20 U	94	75-130			
Matrix Spike Dup (7B16026-MSD1)		**Source: B701010-08**		Prepared: 02/16/2007 09:00 Analyzed: 02/19/2007 16:20						
Methyl-tert-Butyl Ether	20.9	1.00	ug/L	20.0	0.20 U	104	65-125	13	30	
Benzene	23.3	1.00	ug/L	20.0	0.20 U	116	80-120	22	30	
Toluene	21.3	1.00	ug/L	20.0	0.370	105	75-120	15	30	
Ethylbenzene	21.3	1.00	ug/L	20.0	0.30 U	107	75-125	14	30	
m,p-Xylenes	43.5	2.00	ug/L	40.0	0.30 U	109	75-130	14	30	
o-Xylene	22.2	1.00	ug/L	20.0	0.20 U	111	80-120	17	30	
Isopropylbenzene	24.3	1.00	ug/L	20.0	0.10 U	122	75-125	16	30	
1,3,5-Trimethylbenzene	22.2	1.00	ug/L	20.0	0.20 U	111	75-130	10	30	
1,2,4-Trimethylbenzene	21.5	1.00	ug/L	20.0	0.20 U	108	75-130	13	30	

Semivolatile Organic Compounds by GCMS SIM - Quality Control

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Semivolatile Organic Compounds by GCMS SIM - Quality Control										
Batch 7B07029 - EPA 3510C_MS										
Blank (7B07029-BLK1)				Prepared: 02/07/2007 19:35 Analyzed: 02/10/2007 00:26						
Naphthalene	0.02 U	0.10	ug/L							
2-Methylnaphthalene	0.02 U	0.10	ug/L							
1-Methylnaphthalene	0.02 U	0.10	ug/L							
Acenaphthylene	0.01 U	0.10	ug/L							
Acenaphthene	0.02 U	0.10	ug/L							
Benzo(a)anthracene	0.01 U	0.10	ug/L							
Benzo(b)fluoranthene	0.03 U	0.10	ug/L							
Benzo(k)fluoranthene	0.02 U	0.10	ug/L							
Fluorene	0.02 U	0.10	ug/L							
Benzo(g,h,i)perylene	0.03 U	0.10	ug/L							
Benzo(a)pyrene	0.01 U	0.10	ug/L							
Phenanthrene	0.02 U	0.10	ug/L							
Anthracene	0.02 U	0.10	ug/L							
Fluoranthene	0.01 U	0.10	ug/L							
Pyrene	0.02 U	0.10	ug/L							
Chrysene	0.02 U	0.10	ug/L							
Dibenzo(a,h)anthracene	0.02 U	0.10	ug/L							
Indeno(1,2,3-cd)pyrene	0.02 U	0.10	ug/L							
Surrogate: p-Terphenyl	*3.03*		*ug/L*	*5.00*		*61*	*50-135*			
LCS (7B07029-BS1)				Prepared: 02/07/2007 19:35 Analyzed: 02/10/2007 00:44						
Naphthalene	1.79	0.10	ug/L	2.00		90	40-100			
2-Methylnaphthalene	1.75	0.10	ug/L	2.00		88	45-105			
1-Methylnaphthalene	1.82	0.10	ug/L	2.00		91	30-99			
Acenaphthylene	1.92	0.10	ug/L	2.00		96	50-105			
Acenaphthene	1.94	0.10	ug/L	2.00		97	45-110			
Benzo(a)anthracene	1.94	0.10	ug/L	2.00		97	55-110			
Benzo(b)fluoranthene	1.99	0.10	ug/L	2.00		100	45-120			
Benzo(k)fluoranthene	2.34	0.10	ug/L	2.00		117	45-125			
Fluorene	1.97	0.10	ug/L	2.00		98	50-110			
Benzo(g,h,i)perylene	1.63	0.10	ug/L	2.00		82	40-125			
Benzo(a)pyrene	1.93	0.10	ug/L	2.00		96	55-110			
Phenanthrene	1.85	0.10	ug/L	2.00		92	50-110			
Anthracene	1.98	0.10	ug/L	2.00		99	55-110			
Fluoranthene	2.08	0.10	ug/L	2.00		104	55-115			
Pyrene	1.98	0.10	ug/L	2.00		99	50-130			
Chrysene	2.12	0.10	ug/L	2.00		106	55-110			
Dibenzo(a,h)anthracene	1.58	0.10	ug/L	2.00		79	40-125			
Indeno(1,2,3-cd)pyrene	1.63	0.10	ug/L	2.00		82	45-125			
Surrogate: p-Terphenyl	*5.21*		*ug/L*	*5.00*		*104*	*50-135*			
Matrix Spike (7B07029-MS1)		**Source: B701010-08**		Prepared: 02/07/2007 19:35 Analyzed: 02/10/2007 01:01						
Naphthalene	1.56	0.10	ug/L	2.00	0.02 U	78	40-100			
2-Methylnaphthalene	1.45	0.10	ug/L	2.00	0.02 U	72	45-105			
1-Methylnaphthalene	1.48	0.10	ug/L	2.00	0.02 U	74	30-96			
Acenaphthylene	1.51	0.10	ug/L	2.00	0.01 U	76	50-105			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Semivolatile Organic Compounds by GCMS SIM - Quality Control										
Batch 7B07029 - EPA 3510C_MS										
Matrix Spike (7B07029-MS1) Continued		**Source: B701010-08**		Prepared: 02/07/2007 19:35 Analyzed: 02/10/2007 01:01						
Acenaphthene	1.55	0.10	ug/L	2.00	0.02 U	78	45-110			
Benzo(a)anthracene	1.79	0.10	ug/L	2.00	0.01 U	90	55-110			
Benzo(b)fluoranthene	1.80	0.10	ug/L	2.00	0.03 U	90	45-120			
Benzo(k)fluoranthene	2.17	0.10	ug/L	2.00	0.02 U	108	45-125			
Fluorene	1.80	0.10	ug/L	2.00	0.0600	87	50-110			
Benzo(g,h,i)perylene	1.42	0.10	ug/L	2.00	0.03 U	71	40-125			
Benzo(a)pyrene	1.74	0.10	ug/L	2.00	0.01 U	87	55-110			
Phenanthrene	1.65	0.10	ug/L	2.00	0.02 U	82	50-110			
Anthracene	1.78	0.10	ug/L	2.00	0.02 U	89	55-110			
Fluoranthene	1.90	0.10	ug/L	2.00	0.01 U	95	55-115			
Pyrene	1.83	0.10	ug/L	2.00	0.02 U	92	50-130			
Chrysene	1.94	0.10	ug/L	2.00	0.02 U	97	55-110			
Dibenzo(a,h)anthracene	1.31	0.10	ug/L	2.00	0.02 U	66	40-125			
Indeno(1,2,3-cd)pyrene	1.36	0.10	ug/L	2.00	0.02 U	68	45-125			
Surrogate: p-Terphenyl	*4.47*		*ug/L*	*5.00*		*89*	*50-135*			
Matrix Spike Dup (7B07029-MSD1)		**Source: B701010-08**		Prepared: 02/07/2007 19:35 Analyzed: 02/10/2007 01:19						
Naphthalene	1.11 QR-02	0.10	ug/L	2.00	0.02 U	56	40-100	34	30	QR-02
2-Methylnaphthalene	1.04 QR-02	0.10	ug/L	2.00	0.02 U	52	45-105	33	30	QR-02
1-Methylnaphthalene	1.06 QR-02	0.10	ug/L	2.00	0.02 U	53	30-96	33	29	QR-02
Acenaphthylene	1.13	0.10	ug/L	2.00	0.01 U	56	50-105	29	30	
Acenaphthene	1.16	0.10	ug/L	2.00	0.02 U	58	45-110	29	30	
Benzo(a)anthracene	1.33	0.10	ug/L	2.00	0.01 U	66	55-110	29	30	
Benzo(b)fluoranthene	1.42	0.10	ug/L	2.00	0.03 U	71	45-120	24	30	
Benzo(k)fluoranthene	1.52 QR-02	0.10	ug/L	2.00	0.02 U	76	45-125	35	30	QR-02
Fluorene	1.37	0.10	ug/L	2.00	0.0600	66	50-110	27	30	
Benzo(g,h,i)perylene	1.11	0.10	ug/L	2.00	0.03 U	56	40-125	25	30	
Benzo(a)pyrene	1.24 QR-02	0.10	ug/L	2.00	0.01 U	62	55-110	34	30	QR-02
Phenanthrene	1.36	0.10	ug/L	2.00	0.02 U	68	50-110	19	30	
Anthracene	1.43	0.10	ug/L	2.00	0.02 U	72	55-110	22	30	
Fluoranthene	1.53	0.10	ug/L	2.00	0.01 U	76	55-115	22	30	
Pyrene	1.46	0.10	ug/L	2.00	0.02 U	73	50-130	22	30	
Chrysene	1.49	0.10	ug/L	2.00	0.02 U	74	55-110	26	30	
Dibenzo(a,h)anthracene	1.01	0.10	ug/L	2.00	0.02 U	50	40-125	26	30	
Indeno(1,2,3-cd)pyrene	1.06	0.10	ug/L	2.00	0.02 U	53	45-125	25	30	
Surrogate: p-Terphenyl	*3.54*		*ug/L*	*5.00*		*71*	*50-135*			
Batch 7B13014 - EPA 3510C_MS										
Blank (7B13014-BLK1)				Prepared: 02/13/2007 15:04 Analyzed: 02/15/2007 04:53						
Naphthalene	0.02 U	0.10	ug/L							
2-Methylnaphthalene	0.02 U	0.10	ug/L							
1-Methylnaphthalene	0.02 U	0.10	ug/L							
Acenaphthylene	0.01 U	0.10	ug/L							
Acenaphthene	0.02 U	0.10	ug/L							
Benzo(a)anthracene	0.01 U	0.10	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Semivolatile Organic Compounds by GCMS SIM - Quality Control										
Batch 7B13014 - EPA 3510C_MS										
Blank (7B13014-BLK1) Continued				Prepared: 02/13/2007 15:04 Analyzed: 02/15/2007 04:53						
Benzo(b)fluoranthene	0.03 U	0.10	ug/L							
Benzo(k)fluoranthene	0.02 U	0.10	ug/L							
Fluorene	0.02 U	0.10	ug/L							
Benzo(g,h,i)perylene	0.03 U	0.10	ug/L							
Benzo(a)pyrene	0.01 U	0.10	ug/L							
Phenanthrene	0.02 U	0.10	ug/L							
Anthracene	0.02 U	0.10	ug/L							
Fluoranthene	0.01 U	0.10	ug/L							
Pyrene	0.02 U	0.10	ug/L							
Chrysene	0.02 U	0.10	ug/L							
Dibenzo(a,h)anthracene	0.02 U	0.10	ug/L							
Indeno(1,2,3-cd)pyrene	0.02 U	0.10	ug/L							
Surrogate: p-Terphenyl	*4.56*		*ug/L*	*5.00*		*91*	*50-135*			
LCS (7B13014-BS1)				Prepared: 02/13/2007 15:04 Analyzed: 02/15/2007 05:11						
Naphthalene	1.75	0.10	ug/L	2.00		88	40-100			
2-Methylnaphthalene	1.65	0.10	ug/L	2.00		82	45-105			
1-Methylnaphthalene	1.69	0.10	ug/L	2.00		84	30-99			
Acenaphthylene	1.72	0.10	ug/L	2.00		86	50-105			
Acenaphthene	1.77	0.10	ug/L	2.00		88	45-110			
Benzo(a)anthracene	1.67	0.10	ug/L	2.00		84	55-110			
Benzo(b)fluoranthene	1.71	0.10	ug/L	2.00		86	45-120			
Benzo(k)fluoranthene	1.94	0.10	ug/L	2.00		97	45-125			
Fluorene	1.73	0.10	ug/L	2.00		86	50-110			
Benzo(g,h,i)perylene	1.51	0.10	ug/L	2.00		76	40-125			
Benzo(a)pyrene	1.59	0.10	ug/L	2.00		80	55-110			
Phenanthrene	1.78	0.10	ug/L	2.00		89	50-110			
Anthracene	1.89	0.10	ug/L	2.00		94	55-110			
Fluoranthene	1.91	0.10	ug/L	2.00		96	55-115			
Pyrene	1.84	0.10	ug/L	2.00		92	50-130			
Chrysene	1.89	0.10	ug/L	2.00		94	55-110			
Dibenzo(a,h)anthracene	1.58	0.10	ug/L	2.00		79	40-125			
Indeno(1,2,3-cd)pyrene	1.58	0.10	ug/L	2.00		79	45-125			
Surrogate: p-Terphenyl	*4.83*		*ug/L*	*5.00*		*97*	*50-135*			
Matrix Spike (7B13014-MS1)		**Source: B701211-02**		Prepared: 02/13/2007 15:04 Analyzed: 02/15/2007 05:28						
Naphthalene	1.76	0.10	ug/L	2.00	0.02 U	88	40-100			
2-Methylnaphthalene	1.66	0.10	ug/L	2.00	0.02 U	83	45-105			
1-Methylnaphthalene	1.70	0.10	ug/L	2.00	0.02 U	85	30-96			
Acenaphthylene	1.76	0.10	ug/L	2.00	0.01 U	88	50-105			
Acenaphthene	1.79	0.10	ug/L	2.00	0.02 U	90	45-110			
Benzo(a)anthracene	1.71	0.10	ug/L	2.00	0.01 U	86	55-110			
Benzo(b)fluoranthene	1.72	0.10	ug/L	2.00	0.03 U	86	45-120			
Benzo(k)fluoranthene	1.99	0.10	ug/L	2.00	0.02 U	100	45-125			
Fluorene	1.77	0.10	ug/L	2.00	0.02 U	88	50-110			
Benzo(g,h,i)perylene	1.48	0.10	ug/L	2.00	0.03 U	74	40-125			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Semivolatile Organic Compounds by GCMS SIM - Quality Control										
Batch 7B13014 - EPA 3510C_MS										
Matrix Spike (7B13014-MS1) Continued		**Source: B701211-02**		Prepared: 02/13/2007 15:04 Analyzed: 02/15/2007 05:28						
Benzo(a)pyrene	1.60	0.10	ug/L	2.00	0.01 U	80	55-110			
Phenanthrene	1.84	0.10	ug/L	2.00	0.02 U	92	50-110			
Anthracene	1.95	0.10	ug/L	2.00	0.02 U	98	55-110			
Fluoranthene	1.97	0.10	ug/L	2.00	0.01 U	98	55-115			
Pyrene	1.89	0.10	ug/L	2.00	0.02 U	94	50-130			
Chrysene	1.95	0.10	ug/L	2.00	0.02 U	98	55-110			
Dibenzo(a,h)anthracene	1.57	0.10	ug/L	2.00	0.02 U	78	40-125			
Indeno(1,2,3-cd)pyrene	1.56	0.10	ug/L	2.00	0.02 U	78	45-125			
Surrogate: p-Terphenyl	*4.75*		*ug/L*	*5.00*		*95*	*50-135*			
Matrix Spike Dup (7B13014-MSD1)		**Source: B701211-02**		Prepared: 02/13/2007 15:04 Analyzed: 02/15/2007 05:46						
Naphthalene	1.69	0.10	ug/L	2.00	0.02 U	84	40-100	4	30	
2-Methylnaphthalene	1.59	0.10	ug/L	2.00	0.02 U	80	45-105	4	30	
1-Methylnaphthalene	1.64	0.10	ug/L	2.00	0.02 U	82	30-96	4	29	
Acenaphthylene	1.64	0.10	ug/L	2.00	0.01 U	82	50-105	7	30	
Acenaphthene	1.70	0.10	ug/L	2.00	0.02 U	85	45-110	5	30	
Benzo(a)anthracene	1.62	0.10	ug/L	2.00	0.01 U	81	55-110	5	30	
Benzo(b)fluoranthene	1.72	0.10	ug/L	2.00	0.03 U	86	45-120	0	30	
Benzo(k)fluoranthene	1.84	0.10	ug/L	2.00	0.02 U	92	45-125	8	30	
Fluorene	1.66	0.10	ug/L	2.00	0.02 U	83	50-110	6	30	
Benzo(g,h,i)perylene	1.49	0.10	ug/L	2.00	0.03 U	74	40-125	0.7	30	
Benzo(a)pyrene	1.53	0.10	ug/L	2.00	0.01 U	76	55-110	4	30	
Phenanthrene	1.72	0.10	ug/L	2.00	0.02 U	86	50-110	7	30	
Anthracene	1.85	0.10	ug/L	2.00	0.02 U	92	55-110	5	30	
Fluoranthene	1.87	0.10	ug/L	2.00	0.01 U	94	55-115	5	30	
Pyrene	1.78	0.10	ug/L	2.00	0.02 U	89	50-130	6	30	
Chrysene	1.83	0.10	ug/L	2.00	0.02 U	92	55-110	6	30	
Dibenzo(a,h)anthracene	1.55	0.10	ug/L	2.00	0.02 U	78	40-125	1	30	
Indeno(1,2,3-cd)pyrene	1.55	0.10	ug/L	2.00	0.02 U	78	45-125	0.6	30	
Surrogate: p-Terphenyl	*4.48*		*ug/L*	*5.00*		*90*	*50-135*			

NOTES AND DEFINITIONS

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Extended	Water	NELAC	E82277
8270C PAH SIM	Water	NELAC	E82277

TETRA TECH NUS, INC.

CHAIN OF CUSTODY B-701010 NUMBER 4520

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY
112G00378	81 A&C	Kara Wimble	(904) 636-6125	ENCO

SAMPLERS (SIGNATURE)	FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Scott R. McGuire	SCOTT McGUIRE	(813) 434-6382	4810 Exec
	CARRIER/WAYBILL NUMBER		CITY, STATE: Jacksonv

STANDARD TAT ☒
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☒ 14 day

DATE YEAR 2007	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOC's	SVOC's				
								CONTAINER TYPE PLASTIC (P) or GLASS (G)	G	G				
								PRESERVATIVE USED	HCl					
2/5	1500	CEF-081-01I-02052007				GW	G	4	X	X				
	1615	CEF-081-09S-02052007						4						
	1740	CEF-081-08SR-02052007						4						
	1840	CEF-081-18I-02052007						4						
	0000	CEF-081-DU01-02052007						4						
2/5	1900	CEF-081-EB01-02052007						4						
2/6	0750	CEF-081-19I-02062007						4						
	0915	CEF-081-20I-02062007						12						
	1030	CEF-081-15S-02062007						4						
	1140	CEF-081-14S-02062007						4						
	1230	CEF-081-17S-02062007						4						
	1550	CEF-081-16S-02062007						4						
2/6	1700	CEF-081-13S-02062007				GW	G	4	X	X				

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: Scott R. McGuire	2/7/07	0755	1. RECEIVED BY: Kara Wimble		
2. RELINQUISHED BY: Kara Wimble	2/7/07	0755	2. RECEIVED BY: [illegible]		
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)