N60200.AR.004906
NAS CECIL FIELD, FL
5090.3a

"SECOND QUARTER SECOND YEAR GROUNDWATER MONITORING LETTER REPORT FOR BUILDING 81 TANKS 81 A, B AND C NAS CECIL FIELD FL"
9/27/2007
TETRA TECH NUS INC

TETRA TECH NUS, INC.
8640 Philips Highway, Suite 16 • Jacksonville, FL 32256
Tel 904.636.6125 • Fax 904.636.6165 • www.tetratech.com

Document Tracking Number 07JAX0100

September 27, 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, 2nd Quarter, 2nd Year (June 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 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. In response to discussions at the May 2007 Base Realignment and Closure Cleanup Team meeting, two additional monitoring wells were installed to delineate the intermediate zone of the shallow 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 (F.A.C.). This report summarizes the field operations and analytical results for the subject site for the sampling event conducted the week of June 4, 2007. The work was performed in general accordance with FDEP Standard Operating Procedures (SOPs) under DEP-SOP-001/01.

FIELD OPERATIONS

Using hollow stem auger drilling techniques, two intermediate monitoring wells were installed at the site on June 4 and 5, 2007. The intermediate wells (CEF-081-21I and CEF-081-22I) were installed to approximately 35 feet below ground surface. The wells were constructed of 2 inch diameter, Schedule 40, flush-joint polyvinyl chloride riser and flush-joint, 0.010-inch, factory-slotted well screen. The screens of the intermediate monitoring wells are 5 feet in length. Wells were developed approximately 24 hours after installation using a peristaltic pump. The approximate locations of the new and existing monitoring wells are shown on Figure 1.

Groundwater samples were collected from the newly installed wells, CEF-081-21I and CEF-081-22I, and existing wells CEF-081-01I, CEF-081-13S, CEF-081-08SR, CEF-081-09S, CEF-081-14S, CEF-081-15S, CEF-081-16S, CEF-081-17S, CEF-081-18I, CEF-081-19I, and CEF-081-20I from June 6 through June 8, 2007. The samples were placed on ice and subsequently hand delivered under chain of custody to ENCO Laboratories in Jacksonville, Florida, for analysis. 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 8310P.

Prior to obtaining groundwater samples, synoptic water levels and total well depths were measured and recorded on a site-specific groundwater measurement sheet. On June 21, 2007, the depth-to-water ranged from 6.31 feet below top of casing (btoc) (CEF-81-13S) to 9.73 feet btoc (CEF-81-21I). 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 west-northwest. 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 to the northwest and southeast.

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 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 2.1 micrograms per liter (µg/L) in perimeter well CEF-81-08SR, 1.3 µg/L in perimeter well CEF-81-15S, 1.8 µg/L in perimeter well CEF-81-18I, and 4.2 µg/L in perimeter well CEF-81-19I. These concentrations exceed the GCTL of 0.8 µg/L. 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 west-northwest, which is slightly inconsistent with historical groundwater data collected at the site. In previous sampling events, shallow groundwater flow direction has been to the north and northeast. Intermediate zone groundwater flow was determined to be to the northwest and southeast. During the November 2006 Site Assessment Report Addendum and February 2007 sampling event, the intermediate groundwater flow was indeterminate, but the addition of the two new intermediate wells helped to define the flow pattern of the intermediate zone.

June 2007 concentrations of isopropyl benzene in groundwater exceed the GCTL in monitoring wells CEF-81-08SR, CEF-81-15S, CEF-81-18I, and CEF-81-19I. Isopropyl benzene concentrations have decreased to less than the GCTLs since the last sampling event (February 2007) in monitoring wells CEF-081-09S and CEF-081-14S. However, isopropyl benzene was first detected in monitoring wells CEF-081-08SR and CEF-081-15S during this June 2007 sampling event. No other COCs exceeded their respective GCTLs as listed in the NAMP Approval Order during this sampling event.

Based on the results of the June 2007 groundwater sampling event, TtNUS recommends that a revised NAMP be implemented for the site. Chapter 62-770.690(7)(a), F.A.C., requires a minimum of two wells for the NAMP to monitor both the area(s) of maximum concentration of contaminants and the downgradient edge of the plume. A NAMP for this site will be prepared separately. TtNUS also recommends that quarterly sampling continue. The next quarterly sampling event is scheduled for September 2007.

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@tetratech.com.

Sincerely,

Robert Simcik, P.E.
Task Order Manager
P.E. Number 61263

Kara F. Wimble
Project Scientist

Enclosures (8)

c: B.Nwokike, 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 engineer should be notified to evaluate the effects of any additional information on the information described in this report. This Groundwater Monitoring Report, 2nd Quarter, 2nd Year (June 2007) for Building 81, Tanks 81 A, B, and C at Naval Air Station Cecil Field, Jacksonville, Florida, and should not be construed to apply to any other site.

_____

September 27, 2007
Robert Simcik, P.E.
P.E. License Number 61263

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	
			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
CEF-80-13S	14.90	78.17	4.96	73.21	5.48	72.69	5.51	72.66	3.56	74.61
CEF-81-2S	15.00	78.41	NM	NM	6.02	72.39	NM	NM	3.39	75.02
CEF-81-8SR	12.94	77.61	4.62	72.99	5.06	72.55	5.14	72.47	2.90	74.71
CEF-81-9S	12.74	77.72	4.73	72.99	5.19	72.53	5.16	72.56	3.08	74.64
CEF-81-10S	12.99	78.46	5.45	73.01	5.98	72.48	5.68	72.78	4.18	74.28
CEF-81-11S	12.88	78.47	5.46	73.01	5.97	72.50	5.56	72.91	4.06	74.41
CEF-81-12S	11.68	77.37	4.37	73.00	4.81	72.56	4.91	72.46	2.42	74.95
CEF-81-13S	12.14	77.91	4.92	72.99	5.36	72.55	5.27	72.64	3.24	74.67
CEF-81-14S	13.00	78.30	NI	NI	5.85	72.45	6.13	72.17	3.78	74.52
CEF-81-1I	29.25	77.73	4.77	72.96	4.77	72.96	5.65	72.08	3.16	74.57
CEF-P25-1S	12.00	77.57	NM	NM	5.17	72.40	6.00	71.57	2.36	75.21
CEF-81-2I	30.00	77.42	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-3I	30.00	77.78	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-4I	30.00	77.54	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-5I	30.00	77.84	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-1D	55.00	77.77	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-15S	15.00	78.03	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-16S	15.00	78.53	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-17S	15.00	78.35	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-18I	35.00	78.33	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-19I	35.00	78.15	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-20I	35.00	77.63	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-21I	35.00	78.78	NI	NI	NI	NI	NI	NI	NI	NI
CEF-81-22I	35.00	78.35	NI	NI	NI	NI	NI	NI	NI	NI

See notes at end of table.

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)	February 18, 2005		January 5, 2007		February 5, 2007		June 21, 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)
CEF-80-3S	15.12	77.68	6.61	71.07	NM	NM	NM	NM	NM	NM
CEF-80-13S	14.90	78.17	7.09	71.08	NM	NM	NM	NM	NM	NM
CEF-81-2S	15.00	78.41	7.34	71.07	9.84	68.57	NM	NM	NM	NM
CEF-81-8SR	12.94	77.61	6.57	71.04	8.97	68.64	8.44	69.17	8.07	69.54
CEF-81-9S	12.74	77.72	6.78	70.94	9.15	68.57	8.70	69.02	8.35	69.37
CEF-81-10S	12.99	78.46	7.52	70.94	9.83	68.63	NM	NM	9.32	69.14
CEF-81-11S	12.88	78.47	7.48	70.99	9.81	68.66	NM	NM	NM	NM
CEF-81-12S	11.68	77.37	6.21	71.16	9.65	67.72	6.77	70.60	6.31	71.06
CEF-81-13S	12.14	77.91	6.91	71.00	7.34	70.57	6.65	71.26	8.66	69.25
CEF-81-14S	13.00	78.30	7.41	70.89	9.79	68.51	9.44	68.86	9.12	69.18
CEF-81-1I	29.25	77.73	6.79	70.94	9.19	68.54	8.86	68.87	8.58	69.15
CEF-P25-1S	12.00	77.57	6.52	71.05	9.03	68.54	8.69	68.88	NM	NM
CEF-81-2I	30.00	77.42	6.54	70.88	8.94	68.48	8.62	68.80	8.32	69.10
CEF-81-3I	30.00	77.78	6.95	70.83	9.34	68.44	9.05	68.73	NM	NM
CEF-81-4I	30.00	77.54	6.74	70.80	9.09	68.45	8.77	68.77	NM	NM
CEF-81-5I	30.00	77.84	7.01	70.83	9.33	68.51	9.01	68.83	8.73	69.11
CEF-81-1D	55.00	77.77	6.83	70.94	NM	NM	8.97	68.80	NM	NM
CEF-81-15S	15.00	78.03	NI	NI	9.51	68.52	9.15	68.88	NM	NM
CEF-81-16S	15.00	78.53	NI	NI	10.05	68.48	9.73	68.80	9.45	69.08
CEF-81-17S	15.00	78.35	NI	NI	9.82	68.53	9.48	68.87	9.2	69.15
CEF-81-18I	35.00	78.33	NI	NI	9.79	68.54	9.50	68.83	9.20	69.13
CEF-81-19I	35.00	78.15	NI	NI	9.61	68.54	9.31	68.84	9.02	69.13
CEF-81-20I	35.00	77.63	NI	NI	9.09	68.54	8.77	68.86	8.5	69.13
CEF-81-21I	35.00	78.78	NI	NI	NI	NI	NI	NI	9.73	69.05
CEF-81-22I	35.00	78.35	NI	NI	NI	NI	NI	NI	9.31	69.04

Notes:
ft = feet
btoc = below top of casing
msl = mean seal level
NM = not measured
NI = not installed

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			08SR			09S			13S			
			02/18/05	02/05/07	06/06/07	02/18/05	02/05/07	06/07/07	02/18/05	02/05/07	06/08/07	02/21/05	02/06/07	06/08/07 Sample	06/08/07 Duplicate
VOCs (µg/L)															
Ethylbenzene	30	300	0.5 U	0.3 U	0.30 U	0.5 U	0.3 U	0.20 U	0.6 J	0.3 U	0.30 U	0.5 U	0.3 U	0.30 U	0.30 U
Isopropylbenzene	0.8	8	0.69 J	0.36 J	0.10 U	0.5 U	0.1 U	**2.1**	**2.8**	**2.29**	0.10 U	0.5 U	0.1 U	0.10 U	0.10 U
Toluene	40	400	0.5 U	0.2 U	0.20 U	0.5 U	0.2 U	0.29 J	0.5 U	0.2 U	0.25 J	0.5 U	0.24 J	0.20 U	0.52 J
Benzene	1	10	0.5 U	0.2 U	0.20 U	0.5 U	0.2 U	0.20 U	0.5 U	0.2 U	0.20 U	0.5 U	0.2 U	0.20 U	0.20 U
MTBE	20	200	NA	0.2 U	0.20 U	NA	0.2 U	0.20 U	NA	0.2 U	0.20 U	NA	0.2 U	0.20 U	0.20 U
PAHs (µg/L)															
1-Methylnaphthalene	28	280	0.49 U	0.02 U	0.02 U	0.49 U	0.02 U	12.4	9.2	0.47	0.02 U	0.48 U	0.02 U	0.02 U	0.02 U
2-Methylnaphthalene	28	280	0.49 U	0.02 U	0.02 U	0.49 U	0.02 U	4.58	5.7	0.07 J	0.02 U	0.48 U	0.02 U	0.02 U	0.02 U
Acenaphthene	20	200	0.98 U	0.24	0.02 U	0.98 U	0.02 U	0.38	0.99 U	0.07 J	0.02 U	0.96 U	0.02 U	0.02 U	0.02 U
Fluorene	280	2800	0.98 U	0.51	0.05 U	0.98 U	0.02 U	0.94	0.99 U	0.1	0.05 U	0.96 U	0.02 U	0.05 U	0.05 U
Naphthalene	14	140	0.98 U	0.22	0.05 U	0.98 U	0.02 U	0.95	4.2	0.16	0.05 U	0.96 U	0.02 U	0.05 U	0.05 U
Phenanthrene	210	2100	0.98 U	0.02 U	0.04 U	0.98 U	0.02 U	0.13	0.99 U	0.02 U	0.04 U	0.96 U	0.02 U	0.04 U	0.04 U
Pyrene	210	2100	0.49 U	0.02 U	0.03 U	0.49 U	0.02 U	0.03 U	0.5 U	0.02 U	0.03 U	0.48 U	0.02 U	0.03 U	0.03 U

See notes at end of table.

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			15S			16S			17S			18I
			02/18/05	02/06/07	06/07/07	11/21/06	02/06/07	06/07/07	11/21/06	02/06/07	06/07/07	11/21/06	02/06/07	06/07/07	11/22/06 Sample
VOCs (µg/L)															
Ethylbenzene	30	300	0.5 U	0.3 U	0.30 U	0.3 U	0.3 U	0.30 U	0.3 U	0.3 U	0.30 U	0.3 U	0.3 U	0.30 U	0.3 U
Isopropylbenzene	0.8	8	**3.3**	**0.95 J**	0.21 J	0.1 U	0.1 U	**1.3**	0.1 U	0.1 U	0.10 U	0.1 U	0.1 U	0.10 U	**1**
Toluene	40	400	0.5 U	0.2 U	0.22 J	0.2 U	0.21 J	0.33 J	0.2 U	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.5 J
Benzene	1	10	0.5 U	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.2 U
MTBE	20	200	NA	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.2 U	0.2 U	0.20 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	0.02 U	0.02 U	0.02 U	0.02 U	0.09 J
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	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	0.02 U	0.02 U	0.02 U	0.24	0.16
Fluorene	280	2800	0.97 U	0.02 U	0.05 U	0.02 U	0.02 U	0.05 U	0.02 U	0.02 U	0.05 U	0.02 U	0.02 U	0.43	0.23
Naphthalene	14	140	7.8	0.16	0.05 U	0.55	0.06 J	0.05 U	0.02 U	0.02 U	0.05 U	0.02 U	0.02 U	0.31	0.26
Phenanthrene	210	2100	0.97 U	0.02 U	0.04 U	0.02 U	0.02 U	0.04 U	0.02 U	0.02 U	0.04 U	0.02 U	0.02 U	0.04 U	0.02 U
Pyrene	210	2100	0.49 U	0.02 U	0.03 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.03 U	0.02 U

See notes at end of table.

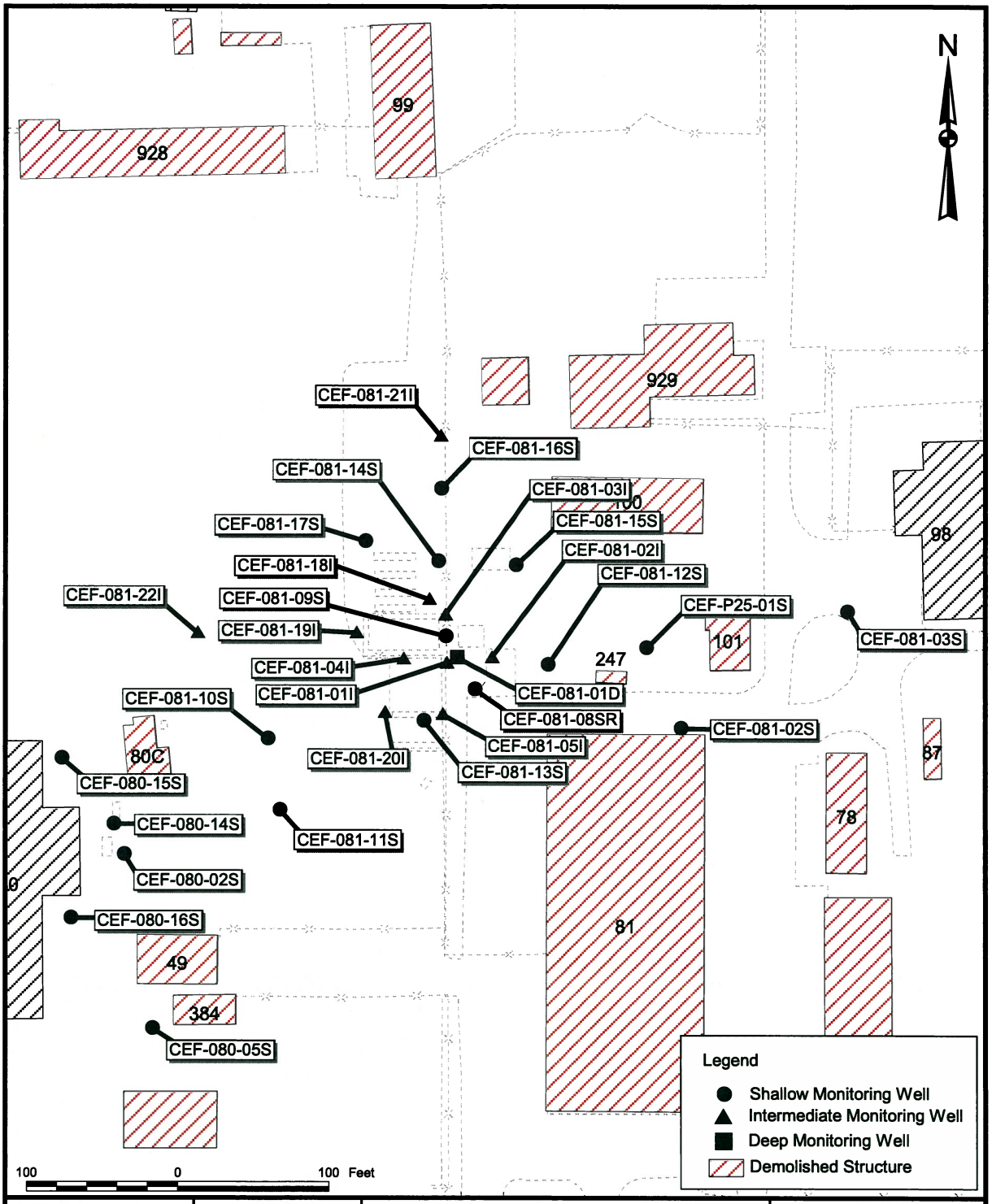
Table 2
Groundwater Analytical Data

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				19I			20I			21I	22I
			11/22/06	02/05/07		6/7/2007	11/22/06	02/06/07	06/08/07	11/22/06	02/06/07	06/08/07	06/07/07	06/07/07
			Duplicate	Sample	Duplicate									
VOCs (µg/L)														
Ethylbenzene	30	300	0.3 U	0.3 U	0.3 U	0.30 U	0.7 J	1.18	1.3	0.3 U	0.3 U	0.30 U	0.30 U	0.93 J
Isopropylbenzene	0.8	8	**1.2**	**1.26**	**1.19**	**1.8**	**2.8**	**5.32**	**4.2**	0.2 J	0.1 U	0.10 U	0.10 U	**0.52 J**
Toluene	40	400	0.2 U	0.23 J	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.3 J	0.37 J	0.20 U	0.53 J	0.43 J
Benzene	1	10	0.5 U	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.2 U	0.20 U	0.28 J
MTBE	20	200	NA	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.2 U	0.2 U	0.20 U	0.2 U	0.20 U	1.8
PAHs (µg/L)														
1-Methylnaphthalene	28	280	0.08 J	0.02 U	0.02 U	0.02 U	6.5	11.6	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U
2-Methylnaphthalene	28	280	0.02 U	0.02 U	0.02 U	0.02 U	4.31	8.43	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.02 U
Acenaphthene	20	200	0.18	0.16	0.14	0.24	0.28	0.27	0.05 J	0.08 J	0.03 U	0.08 J	0.02 U	0.22
Fluorene	280	2800	0.27	0.23	0.2	0.43	0.65	0.64	0.09 J	0.15	0.06 J	0.05 U	0.05 U	0.54
Naphthalene	14	140	0.29	0.31	0.2	0.39	1.01	1.29	0.05 U	0.07 J	0.03 U	0.05 J	0.05 U	0.17
Phenanthrene	210	2100	0.02 U	0.02 U	0.02 U	0.04 U	0.1	0.09 J	0.04 U	0.02 U	0.03 U	0.04 U	0.04 U	0.04 U
Pyrene	210	2100	0.02 U	0.06 J	0.02 U	0.03 U	0.02 U	0.02 U	0.03 U	0.02 U	0.02 U	0.03 U	0.03 U	0.03 U

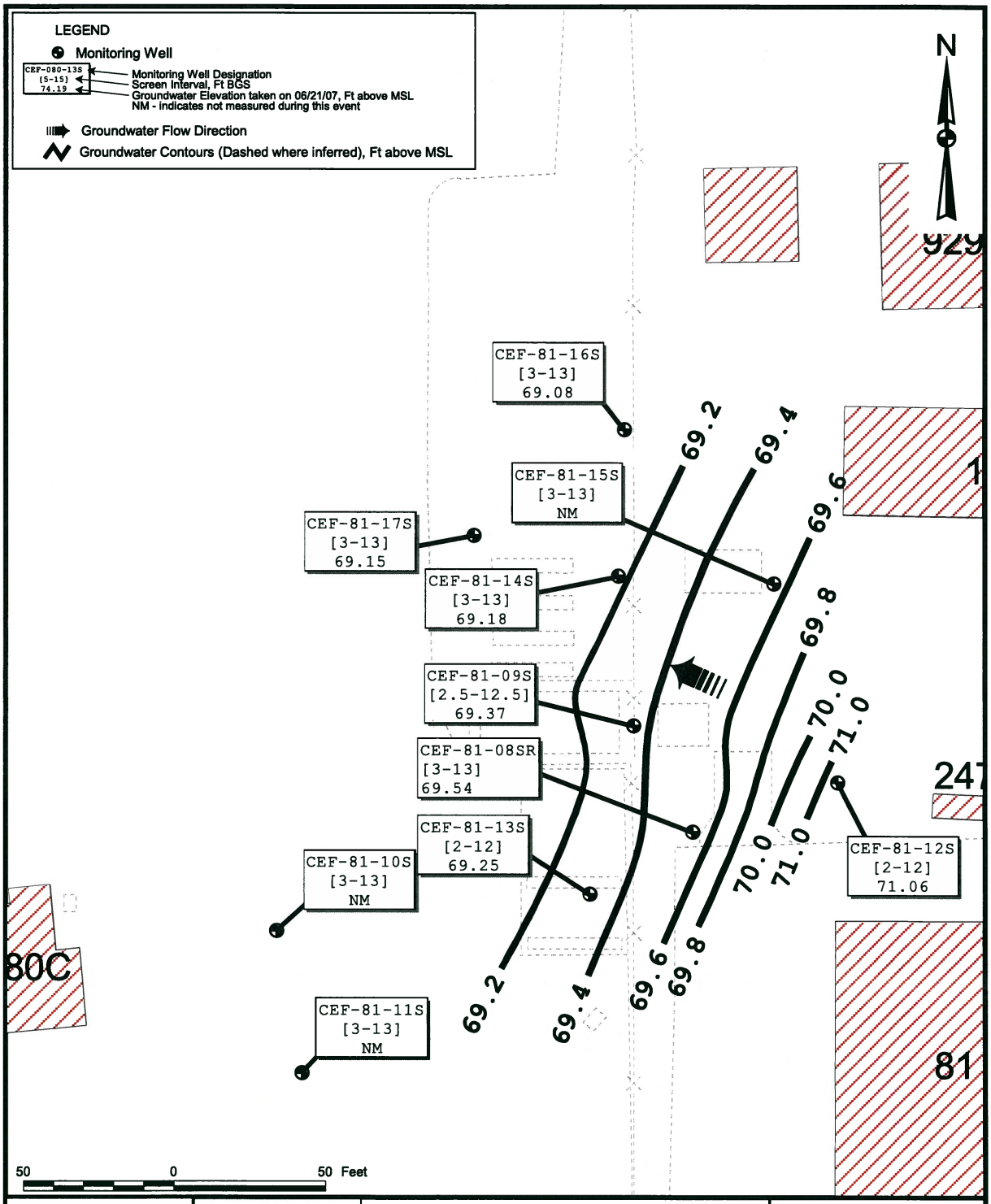
Notes:
GCTL = Groundwater Cleanup Target Level
NADSC = Natural Attenuation Default Source Concentrations
VOCs = volatile organic compounds
µg/L = micrograms per liter
MTBE = Methyl Tertiary Butyl Ether
PAHs = polynuclear aromatic hydrocarbons
U = not detected at detection limit shown
J = estimated concentration
Bold indicates concentration greater than FDEP criterion.
FDEP GCTLs from Chapter 62-777, Florida Administrative Code (F.A.C.)
NADSC from Chapter 62-777, F.A.C.
NA = not analyzed

FIGURES



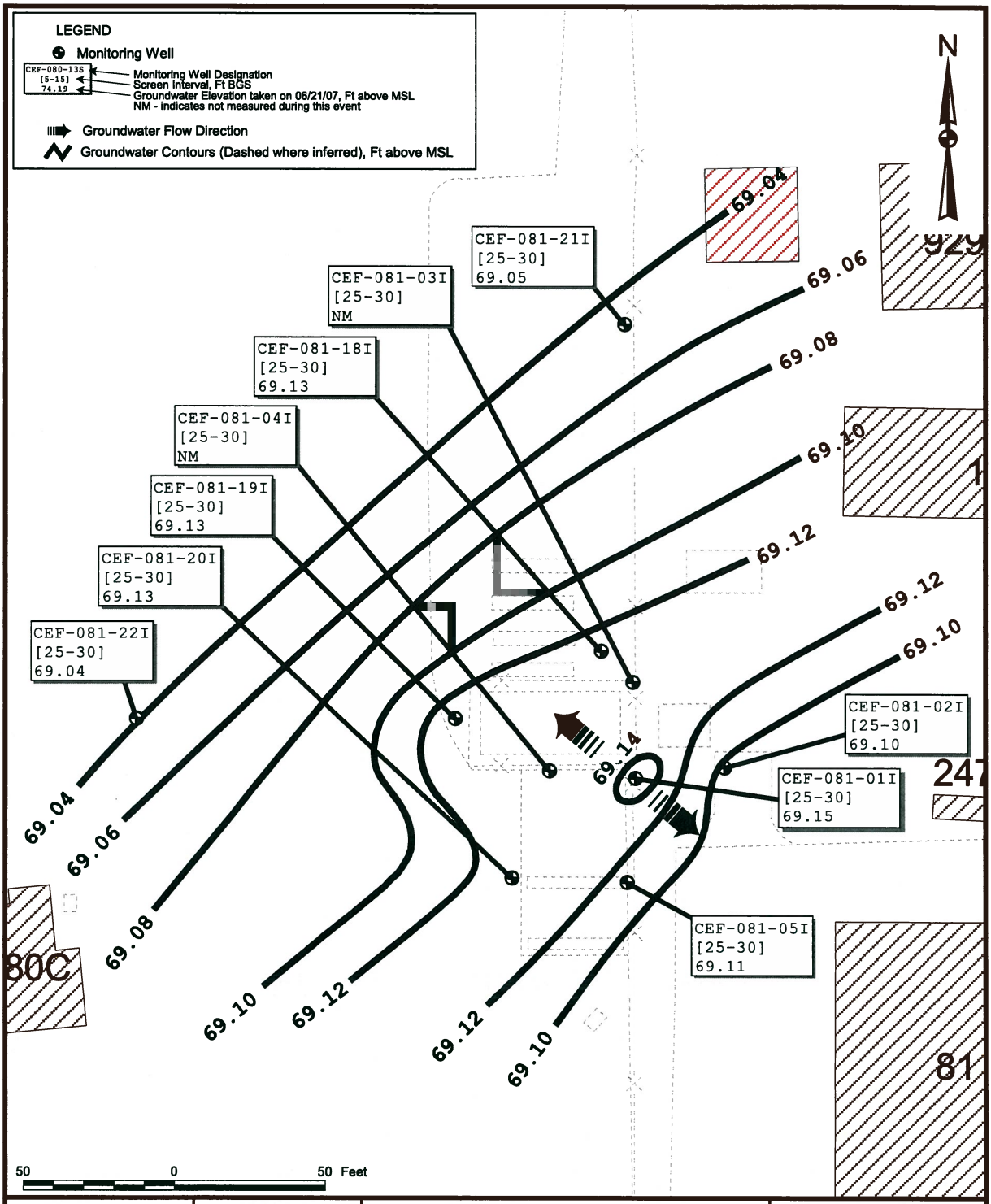
DRAWN BY MJJ	DATE 20Apr07	MONITORING WELL LOCATION MAP TANKS 81 A, B, AND C 2ND QUARTER, 1ST YEAR GROUNDWATER MONITORING REPORT NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0378
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 1 / REV 0

P:\GIS\NAS_CecilField\Tank_81ABC_20070420.apr 07Sept07 MJJ Layout12



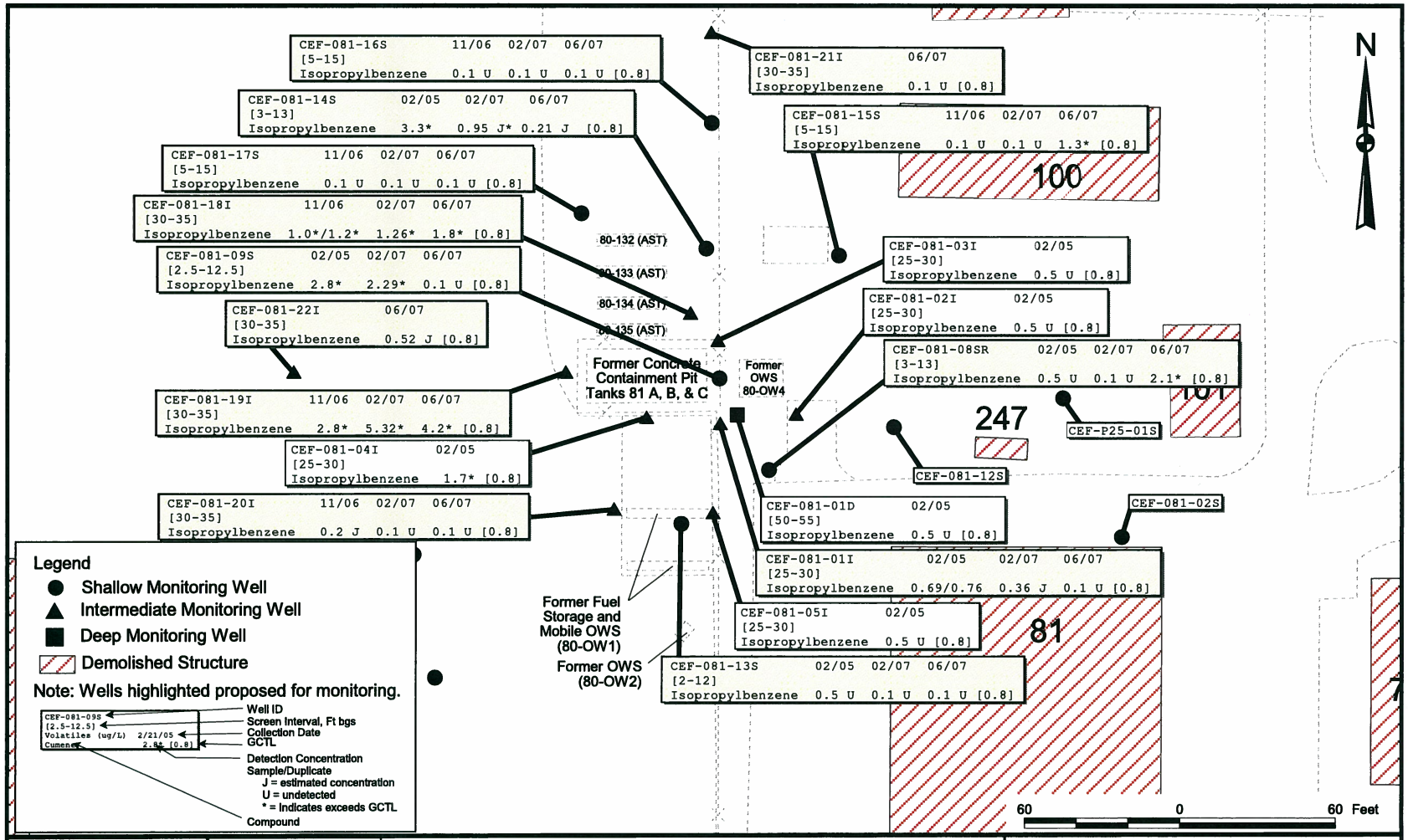
DRAWN BY MJJ	DAT 20Apr07	GROUNDWATER FLOW MAP (06/21/07) SHALLOW ZONE TANKS 81 A, B, AND C 2nd QUARTER, 2nd YEAR GROUNDWATER MONITORING REPORT NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 0378
CHECKED BY	DATE		APPROVED BY DATE
COST/SCHEDULE-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2 / REV 0

P:\GIS\NAS_CecilField\Tank_81ABC_20070420.apr 07Sept07 MJJ Layout10



DRAWN BY	DATE	GROUNDWATER FLOW MAP (06/21/07)	CONTRACT NUMBER
MJJ	20Apr07	INTERMEDIATE ZONE	0378
CHECKED BY	DATE	TANKS 81 A, B, AND C	APPROVED BY DATE
COST/SCHEDULE-AREA		2nd QUARTER, 2nd YEAR	APPROVED BY DATE
SCALE		GROUNDWATER MONITORING REPORT	DRAWING NO.
AS NOTED		NAVAL AIR STATION CECIL FIELD	FIGURE 3
		JACKSONVILLE, FLORIDA	REV 0

P:\GIS\NAS_CecilField\Tank_81ABC_20070420.apr 07Sept07 MJJ Layout11



DRAWN BY MJJ	DATE 29Dec06	ANALYTICAL RESULTS TANKS 81 A, B, AND C 2nd QUARTER, 2nd YEAR GROUNDWATER MONITORING REPORT NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NUMBER 9945
CHECKED BY	DATE		APPROVED BY / DATE
COST/SCHEDULE-AREA			APPROVED BY / DATE
SCALE AS NOTED	NAVFAC		DRAWING NO. FIGURE 4 / REV 0

P:\GIS\NAS_CecilField\Tank_81ABC.apr 20Aug07 MJJ Layout15

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.

Minnie L Robinson — October 1, 2002
Clerk (or Deputy Clerk) — Date

ATTACHMENT B

GROUNDWATER ANALYTICAL REPORT
JUNE 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, June 29, 2007

Tetra Tech NUS (BR006)

Attn: Kara Wimble

8640 Philips Highway Suite 16

Jacksonville, FL 32256

RE: Project Number: 112G00378, Project Name/Desc: Tanks 81 ABC CTO 0025
ENCO Workorder: B704815

Dear Kara Wimble,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, June 8, 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 67.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: CEF-081-01I-29.2-06062007 **Lab ID:** B704815-01

Sampled: 06/06/07 14:37 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/20/07		06/14/07 09:00	6/14/2007 17:05
EPA 8270C	06/13/07	07/22/07	06/12/07 11:06	6/18/2007 17:20

Client ID: CEF-081-14S-013-06072007 **Lab ID:** B704815-02

Sampled: 06/07/07 14:07 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/21/07		06/14/07 09:00	6/15/2007 04:09
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/18/2007 17:38

Client ID: CEF-081-16S-015-06072007 **Lab ID:** B704815-03

Sampled: 06/07/07 16:57 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/21/07		06/14/07 09:00	6/15/2007 04:41
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/18/2007 17:55

Client ID: CEF-081-17S-015-06072007 **Lab ID:** B704815-04

Sampled: 06/07/07 15:06 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/21/07		06/14/07 09:00	6/14/2007 18:40
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/18/2007 18:13

Client ID: CEF-081-08SR-030-06072007 **Lab ID:** B704815-05

Sampled: 06/07/07 15:57 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/21/07		06/14/07 09:00	6/14/2007 19:11
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/18/2007 18:31

www.encolabs.com

Client ID: CEF-081-08SR-030-06072007 **Lab ID:** B704815-05RE1

Sampled: 06/07/07 15:57 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/19/2007 14:11

Client ID: CEF-081-19I-035-06082007 **Lab ID:** B704815-06

Sampled: 06/08/07 11:47 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/22/07		06/14/07 09:00	6/14/2007 19:43
EPA 8270C	06/15/07	07/22/07	06/12/07 11:06	6/18/2007 18:48

Client ID: CEF-081-19I-035-06082007 **Lab ID:** B704815-06RE1

Sampled: 06/08/07 11:47 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8270C	06/15/07	07/22/07	06/12/07 11:06	6/19/2007 14:29

Client ID: CEF-081-20I-035-06082007 **Lab ID:** B704815-07

Sampled: 06/08/07 11:00 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/22/07		06/14/07 09:00	6/14/2007 20:15
EPA 8270C	06/15/07	07/22/07	06/12/07 11:06	6/18/2007 19:06

Client ID: CEF-081-13S-12.1-06082007 **Lab ID:** B704815-08

Sampled: 06/08/07 10:00 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/22/07		06/14/07 09:00	6/14/2007 20:46
EPA 8270C	06/15/07	07/22/07	06/12/07 11:06	6/18/2007 19:24

Client ID: CEF-081-09S-12.7-06082007 **Lab ID:** B704815-09

Sampled: 06/08/07 09:00 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/22/07		06/14/07 09:00	6/14/2007 21:18
EPA 8270C	06/15/07	07/22/07	06/12/07 11:06	6/18/2007 19:41

www.encolabs.com

Client ID: CEF-081-15S-015-06072007 **Lab ID:** B704815-10

Sampled: 06/07/07 11:27 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/21/07		06/14/07 09:00	6/14/2007 21:50
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/18/2007 19:59

Client ID: CEF-081-18I-035-06072007 **Lab ID:** B704815-11

Sampled: 06/07/07 12:43 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/21/07		06/14/07 09:00	6/14/2007 22:21
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/18/2007 20:17

Client ID: CEF-081-18I-035-06072007 **Lab ID:** B704815-11RE1

Sampled: 06/07/07 12:43 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/19/2007 14:46

Client ID: CEF-081-22I-035-06072007 **Lab ID:** B704815-12

Sampled: 06/07/07 09:43 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/21/07		06/14/07 09:00	6/14/2007 16:33
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/18/2007 20:34

Client ID: CEF-081-22I-035-06072007 **Lab ID:** B704815-12RE1

Sampled: 06/07/07 09:43 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/19/2007 15:04

Client ID: CEF-081-21I-035-06072007 **Lab ID:** B704815-13

Sampled: 06/07/07 10:43 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/21/07		06/14/07 09:00	6/14/2007 22:53
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/18/2007 20:52

www.encolabs.com

Client ID: CEF-081-21I-035-06072007 **Lab ID:** B704815-13RE1

Sampled: 06/07/07 10:43 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8270C	06/14/07	07/22/07	06/12/07 11:06	6/19/2007 15:22

Client ID: CEF-081-DUP-1 **Lab ID:** B704815-14

Sampled: 06/08/07 00:00 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/22/07		06/14/07 09:00	6/14/2007 23:25
EPA 8270C	06/15/07	07/22/07	06/12/07 11:06	6/18/2007 21:09

Client ID: CEF-081-DUP-1 **Lab ID:** B704815-14RE1

Sampled: 06/08/07 00:00 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8270C	06/15/07	07/22/07	06/12/07 11:06	6/19/2007 15:39

Client ID: CEF-081-Trip Blank **Lab ID:** B704815-15

Sampled: 06/08/07 00:00 **Received:** 06/08/07 13:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	06/22/07	06/14/07 09:00	6/15/2007 03:38

www.encolabs.com

SAMPLE DETECTION SUMMARY

Client ID: CEF-081-14S-013-06072007 **Lab ID:** B704815-02

Analyte	Results/Qual	MRL	Units	Method
Isopropylbenzene	0.21 J	1.0	ug/L	EPA 8260B
Toluene	0.22 J	1.0	ug/L	EPA 8260B

Client ID: CEF-081-17S-015-06072007 **Lab ID:** B704815-04

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.24	0.10	ug/L	EPA 8270C
Fluorene	0.43	0.10	ug/L	EPA 8270C
Naphthalene	0.31	0.10	ug/L	EPA 8270C

Client ID: CEF-081-08SR-030-06072007 **Lab ID:** B704815-05

Analyte	Results/Qual	MRL	Units	Method
1-Methylnaphthalene	12.4	0.10	ug/L	EPA 8270C
2-Methylnaphthalene	4.58	0.10	ug/L	EPA 8270C
Acenaphthene	0.38	0.10	ug/L	EPA 8270C
Fluorene	0.94	0.10	ug/L	EPA 8270C
Isopropylbenzene	2.1	1.0	ug/L	EPA 8260B
Naphthalene	0.95	0.10	ug/L	EPA 8270C
Phenanthrene	0.13	0.10	ug/L	EPA 8270C
Toluene	0.29 J	1.0	ug/L	EPA 8260B

Client ID: CEF-081-08SR-030-06072007 **Lab ID:** B704815-05RE1

Analyte	Results/Qual	MRL	Units	Method
1-Methylnaphthalene	12.4	0.10	ug/L	EPA 8270C
2-Methylnaphthalene	4.61	0.10	ug/L	EPA 8270C
Acenaphthene	0.39	0.10	ug/L	EPA 8270C
Fluorene	0.94	0.10	ug/L	EPA 8270C
Naphthalene	1.04	0.10	ug/L	EPA 8270C
Phenanthrene	0.13	0.10	ug/L	EPA 8270C

Client ID: CEF-081-19I-035-06082007 **Lab ID:** B704815-06

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.05 J	0.10	ug/L	EPA 8270C
Ethylbenzene	1.3	1.0	ug/L	EPA 8260B
Fluorene	0.09 J	0.10	ug/L	EPA 8270C
Isopropylbenzene	4.2	1.0	ug/L	EPA 8260B

Client ID: CEF-081-19I-035-06082007 **Lab ID:** B704815-06RE1

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.05 J	0.10	ug/L	EPA 8270C
Fluorene	0.09 J	0.10	ug/L	EPA 8270C

Client ID: CEF-081-20I-035-06082007 **Lab ID:** B704815-07

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.08 J	0.10	ug/L	EPA 8270C
Naphthalene	0.05 J	0.10	ug/L	EPA 8270C

Client ID: CEF-081-09S-12.7-06082007 **Lab ID:** B704815-09

Analyte	Results/Qual	MRL	Units	Method
Toluene	0.25 J	1.0	ug/L	EPA 8260B

Client ID: CEF-081-15S-015-06072007 **Lab ID:** B704815-10

Analyte	Results/Qual	MRL	Units	Method
Isopropylbenzene	1.3	1.0	ug/L	EPA 8260B
Toluene	0.33 J	1.0	ug/L	EPA 8260B

Client ID: CEF-081-18I-035-06072007 **Lab ID:** B704815-11

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.24	0.10	ug/L	EPA 8270C
Fluorene	0.43	0.10	ug/L	EPA 8270C
Isopropylbenzene	1.8	1.0	ug/L	EPA 8260B
Naphthalene	0.39	0.10	ug/L	EPA 8270C

Client ID: CEF-081-18I-035-06072007 **Lab ID:** B704815-11RE1

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.25	0.10	ug/L	EPA 8270C
Fluorene	0.42	0.10	ug/L	EPA 8270C
Naphthalene	0.34	0.10	ug/L	EPA 8270C

Client ID: CEF-081-22I-035-06072007 **Lab ID:** B704815-12

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.22	0.10	ug/L	EPA 8270C
Benzene	0.28 J	1.0	ug/L	EPA 8260B
Ethylbenzene	0.93 J	1.0	ug/L	EPA 8260B
Fluorene	0.54	0.10	ug/L	EPA 8270C
Isopropylbenzene	0.52 J	1.0	ug/L	EPA 8260B
Methyl-tert-Butyl Ether	1.8	1.0	ug/L	EPA 8260B
Naphthalene	0.17	0.10	ug/L	EPA 8270C
Toluene	0.43 J	1.0	ug/L	EPA 8260B

Client ID: CEF-081-22I-035-06072007 **Lab ID:** B704815-12RE1

Analyte	Results/Qual	MRL	Units	Method
Acenaphthene	0.23	0.10	ug/L	EPA 8270C
Fluorene	0.52	0.10	ug/L	EPA 8270C
Naphthalene	0.17	0.10	ug/L	EPA 8270C

Client ID: CEF-081-21I-035-06072007 **Lab ID:** B704815-13

Analyte	Results/Qual	MRL	Units	Method
Toluene	0.53 J	1.0	ug/L	EPA 8260B

Client ID: CEF-081-DUP-1 **Lab ID:** B704815-14

Analyte	Results/Qual	MRL	Units	Method
Toluene	0.52 J	1.0	ug/L	EPA 8260B

Client ID: CEF-081-Trip Blank **Lab ID:** B704815-15

Analyte	Results/Qual	MRL	Units	Method
2-Butanone	9.0	5.0	ug/L	EPA 8260B

www.encolabs.com

Client ID: **CEF-081-Trip Blank** **Lab ID:** **B704815-15**

Analyte	Results/Qual	MRL	Units	Method
Acetone	9.5	5.0	ug/L	EPA 8260B
Toluene	0.51 J	1.0	ug/L	EPA 8260B

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-01I-29.2-06062007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-01	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-01I-29.2-06062007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-01	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	108 %	75-120
Dibromofluoromethane	1868-53-7	54	50.0	107 %	85-115
Toluene-d8	2037-26-5	50	50.0	99 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-01I-29.2-06062007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-01	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.83	5.00	117 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-14S-013-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-02	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/15/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	**0.21 J**	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-14S-013-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-02	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/15/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	**0.22 J**	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	56	50.0	112 %	75-120
Dibromofluoromethane	1868-53-7	54	50.0	108 %	85-115
Toluene-d8	2037-26-5	50	50.0	100 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-14S-013-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-02	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.95	5.00	119 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-16S-015-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-03	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/15/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-16S-015-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-03	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/15/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55	50.0	111 %	75-120
Dibromofluoromethane	1868-53-7	56	50.0	112 %	85-115
Toluene-d8	2037-26-5	50	50.0	100 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-16S-015-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-03	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.77	5.00	115 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-17S-015-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-04	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-17S-015-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-04	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55	50.0	111 %	75-120
Dibromofluoromethane	1868-53-7	58	50.0	117 %	85-115
Toluene-d8	2037-26-5	50	50.0	99 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-17S-015-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-04	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	**0.43**	0.05	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**	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.52	5.00	110 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-08SR-030-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-05	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	**2.1**	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-08SR-030-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-05	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	**0.29 J**	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55	50.0	109 %	75-120
Dibromofluoromethane	1868-53-7	55	50.0	109 %	85-115
Toluene-d8	2037-26-5	49	50.0	98 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-08SR-030-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-05	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	**12.4**	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	**4.58**	0.02	0.10	ug/L
Acenaphthene	83-32-9	**0.38**	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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	**0.94**	0.05	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	**0.95**	0.05	0.10	ug/L
Phenanthrene	85-01-8	**0.13**	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.60	5.00	112 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-08SR-030-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-05RE1	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/19/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00862		
QC Batch:	7F12002		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	**12.4**	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	**4.61**	0.02	0.10	ug/L
Acenaphthene	83-32-9	**0.39**	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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	**0.94**	0.05	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	**1.04**	0.05	0.10	ug/L
Phenanthrene	85-01-8	**0.13**	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.51	5.00	110 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-19I-035-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-06	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	**1.3**	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	**4.2**	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-19I-035-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-06	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55	50.0	110 %	75-120
Dibromofluoromethane	1868-53-7	56	50.0	112 %	85-115
Toluene-d8	2037-26-5	50	50.0	100 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-19I-035-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-06	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	**0.05** 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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	**0.09** J	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.67	5.00	113 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-19I-035-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-06RE1	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/19/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00862		
QC Batch:	7F12002		

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	**0.05** 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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	**0.09** J	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.50	5.00	110 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-20I-035-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-07	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-20I-035-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-07	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	53	50.0	106 %	75-120
Dibromofluoromethane	1868-53-7	54	50.0	108 %	85-115
Toluene-d8	2037-26-5	50	50.0	101 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-20I-035-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-07	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	**0.08** 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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	**0.05** J	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.70	5.00	114 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-13S-12.1-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-08	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-13S-12.1-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-08	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55	50.0	110 %	75-120
Dibromofluoromethane	1868-53-7	55	50.0	110 %	85-115
Toluene-d8	2037-26-5	49	50.0	98 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-13S-12.1-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-08	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	4.75	5.00	95 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-09S-12.7-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-09	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-09S-12.7-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-09	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	**0.25 J**	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	108 %	75-120
Dibromofluoromethane	1868-53-7	55	50.0	110 %	85-115
Toluene-d8	2037-26-5	49	50.0	99 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-09S-12.7-06082007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-09	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	4.91	5.00	98 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-15S-015-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-10	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	**1.3**	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-15S-015-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-10	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	**0.33 J**	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55	50.0	109 %	75-120
Dibromofluoromethane	1868-53-7	55	50.0	109 %	85-115
Toluene-d8	2037-26-5	49	50.0	99 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-15S-015-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-10	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.53	5.00	111 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-18I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-11	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	**1.8**	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-18I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-11	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	0.20 U	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	108 %	75-120
Dibromofluoromethane	1868-53-7	58	50.0	116 %	85-115
Toluene-d8	2037-26-5	51	50.0	102 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-18I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-11	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	**0.43**	0.05	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	**0.39**	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.57	5.00	111 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-18I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-11RE1	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/19/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00862		
QC Batch:	7F12002		

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	**0.25**	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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	**0.42**	0.05	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	**0.34**	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.41	5.00	108 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-22I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-12	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	**0.28 J**	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	**0.93 J**	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	**0.52 J**	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-22I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-12	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	**1.8**	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	**0.43 J**	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	109 %	75-120
Dibromofluoromethane	1868-53-7	54	50.0	108 %	85-115
Toluene-d8	2037-26-5	50	50.0	100 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-22I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-12	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	**0.22**	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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	**0.54**	0.05	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	**0.17**	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.64	5.00	113 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-22I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-12RE1	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/19/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00862		
QC Batch:	7F12002		

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	**0.23**	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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	**0.52**	0.05	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	**0.17**	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.55	5.00	111 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-21I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-13	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-21I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-13	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	**0.53 J**	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55	50.0	110 %	75-120
Dibromofluoromethane	1868-53-7	56	50.0	111 %	85-115
Toluene-d8	2037-26-5	51	50.0	101 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-21I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-13	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.95	5.00	119 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-21I-035-06072007	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-13RE1	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/19/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00862		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.64	5.00	113 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-DUP-1	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-14	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	2.0 U	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	2.0 U	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-DUP-1	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-14	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/14/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	**0.52 J**	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	55	50.0	109 %	75-120
Dibromofluoromethane	1868-53-7	57	50.0	114 %	85-115
Toluene-d8	2037-26-5	50	50.0	100 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-DUP-1	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-14	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/18/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00857		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.43	5.00	109 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-DUP-1	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-14RE1	Work Order #:	B704815
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	06/19/07 By: JWJ	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:	BA00862		
QC Batch:	7F12002		

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	0.02 U	0.02	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	0.03 U	0.03	0.10	ug/L
Fluorene	86-73-7	0.05 U	0.05	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	0.05 U	0.05	0.10	ug/L
Phenanthrene	85-01-8	0.04 U	0.04	0.10	ug/L
Pyrene	129-00-0	0.03 U	0.03	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	5.20	5.00	104 %	50-135

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-Trip Blank	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-15	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/15/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1-Trichloroethane	71-55-6	0.30 U	0.30	1.0	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.20 U	0.20	1.0	ug/L
1,1,2-Trichloroethane	79-00-5	0.30 U	0.30	1.0	ug/L
1,1-Dichloroethane	75-34-3	0.20 U	0.20	1.0	ug/L
1,1-Dichloroethene	75-35-4	0.20 U	0.20	1.0	ug/L
1,2,4-Trichlorobenzene	120-82-1	0.10 U	0.10	1.0	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.30 U	0.30	1.0	ug/L
1,2-Dibromoethane	106-93-4	0.10 U	0.10	1.0	ug/L
1,2-Dichlorobenzene	95-50-1	0.20 U	0.20	1.0	ug/L
1,2-Dichloroethane	107-06-2	0.10 U	0.10	1.0	ug/L
1,2-Dichloropropane	78-87-5	0.40 U	0.40	1.0	ug/L
1,3-Dichlorobenzene	541-73-1	0.20 U	0.20	1.0	ug/L
1,4-Dichlorobenzene	106-46-7	0.10 U	0.10	1.0	ug/L
2-Butanone	78-93-3	**9.0**	2.0	5.0	ug/L
2-Hexanone	591-78-6	0.60 U	0.60	5.0	ug/L
4-Methyl-2-pentanone	108-10-1	2.0 U	2.0	5.0	ug/L
Acetone	67-64-1	**9.5**	2.0	5.0	ug/L
Benzene	71-43-2	0.20 U	0.20	1.0	ug/L
Bromodichloromethane	75-27-4	0.20 U	0.20	1.0	ug/L
Bromoform	75-25-2	0.20 U	0.20	1.0	ug/L
Bromomethane	74-83-9	0.60 U	0.60	1.0	ug/L
Carbon disulfide	75-15-0	0.90 U	0.90	5.0	ug/L
Carbon tetrachloride	56-23-5	0.30 U	0.30	1.0	ug/L
Chlorobenzene	108-90-7	0.20 U	0.20	1.0	ug/L
Chloroethane	75-00-3	0.30 U	0.30	1.0	ug/L
Chloroform	67-66-3	0.20 U	0.20	1.0	ug/L
Chloromethane	74-87-3	0.30 U	0.30	1.0	ug/L
cis-1,2-Dichloroethene	156-59-2	0.20 U	0.20	1.0	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.10 U	0.10	1.0	ug/L
Cyclohexane	110-82-7	0.45 U	0.45	1.0	ug/L
Dibromochloromethane	124-48-1	0.20 U	0.20	1.0	ug/L
Dichlorodifluoromethane	75-71-8	0.30 U	0.30	1.0	ug/L
Ethylbenzene	100-41-4	0.30 U	0.30	1.0	ug/L
Freon 113	76-13-1	0.58 U	0.58	1.0	ug/L
Isopropylbenzene	98-82-8	0.10 U	0.10	1.0	ug/L
Methyl acetate	79-20-9	0.51 U	0.51	1.0	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	CEF-081-Trip Blank	Project:	Tanks 81 ABC CTO 0025
Lab #:	B704815-15	Work Order #:	B704815
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	06/15/07 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:	BA00858		
QC Batch:	7F14017		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Methyl cyclohexane	108-87-2	0.55 U	0.55	1.0	ug/L
Methylene chloride	75-09-2	2.0 U	2.0	2.0	ug/L
Methyl-tert-Butyl Ether	1634-04-4	0.20 U	0.20	1.0	ug/L
Styrene	100-42-5	0.10 U	0.10	1.0	ug/L
Tetrachloroethene	127-18-4	0.30 U	0.30	1.0	ug/L
Toluene	108-88-3	**0.51 J**	0.20	1.0	ug/L
trans-1,2-Dichloroethene	156-60-5	0.20 U	0.20	1.0	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.20 U	0.20	1.0	ug/L
Trichloroethene	79-01-6	0.30 U	0.30	1.0	ug/L
Trichlorofluoromethane	75-69-4	0.30 U	0.30	1.0	ug/L
Vinyl chloride	75-01-4	0.40 U	0.40	1.0	ug/L
Xylenes (Total)	NA	0.30 U	0.30	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	107 %	75-120
Dibromofluoromethane	1868-53-7	55	50.0	110 %	85-115
Toluene-d8	2037-26-5	50	50.0	100 %	85-120

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 7F14017 - EPA 5030B_MS										
Blank (7F14017-BLK1)				Prepared: 06/14/2007 09:00 Analyzed: 06/14/2007 13:17						
Dichlorodifluoromethane	0.30 U	1.0	ug/L							
Chloromethane	0.30 U	1.0	ug/L							
Vinyl chloride	0.40 U	1.0	ug/L							
Bromomethane	0.60 U	1.0	ug/L							
Chloroethane	0.30 U	1.0	ug/L							
Trichlorofluoromethane	0.30 U	1.0	ug/L							
Freon 113	0.58 U	1.0	ug/L							
Acetone	2.0 U	5.0	ug/L							
1,1-Dichloroethene	0.20 U	1.0	ug/L							
Carbon disulfide	0.90 U	5.0	ug/L							
Methylene chloride	**3.1** O-01	2.0	ug/L							O-01
Methyl-tert-Butyl Ether	0.20 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.20 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.20 U	1.0	ug/L							
1,1-Dichloroethane	0.20 U	1.0	ug/L							
2-Butanone	2.0 U	5.0	ug/L							
Chloroform	0.20 U	1.0	ug/L							
1,1,1-Trichloroethane	0.30 U	1.0	ug/L							
Methyl acetate	0.51 U	1.0	ug/L							
Cyclohexane	0.45 U	1.0	ug/L							
Methyl cyclohexane	0.55 U	1.0	ug/L							
Carbon tetrachloride	0.30 U	1.0	ug/L							
1,2-Dichloroethane	0.10 U	1.0	ug/L							
Benzene	0.20 U	1.0	ug/L							
Trichloroethene	0.30 U	1.0	ug/L							
1,2-Dichloropropane	0.40 U	1.0	ug/L							
Bromodichloromethane	0.20 U	1.0	ug/L							
4-Methyl-2-pentanone	2.0 U	5.0	ug/L							
2-Hexanone	0.60 U	5.0	ug/L							
cis-1,3-Dichloropropene	0.10 U	1.0	ug/L							
Toluene	0.20 U	1.0	ug/L							
trans-1,3-Dichloropropene	0.20 U	1.0	ug/L							
1,1,2-Trichloroethane	0.30 U	1.0	ug/L							
Tetrachloroethene	0.30 U	1.0	ug/L							
Dibromochloromethane	0.20 U	1.0	ug/L							
1,2-Dibromoethane	0.10 U	1.0	ug/L							
Chlorobenzene	0.20 U	1.0	ug/L							
Ethylbenzene	0.30 U	1.0	ug/L							
Bromoform	0.20 U	1.0	ug/L							
Styrene	0.10 U	1.0	ug/L							
Isopropylbenzene	0.10 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.20 U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.10 U	1.0	ug/L							
1,3-Dichlorobenzene	0.20 U	1.0	ug/L							
1,4-Dichlorobenzene	0.10 U	1.0	ug/L							

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 7F14017 - EPA 5030B_MS										
Blank (7F14017-BLK1) Continued				Prepared: 06/14/2007 09:00 Analyzed: 06/14/2007 13:17						
1,2-Dichlorobenzene	0.20 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.30 U	1.0	ug/L							
Xylenes (Total)	0.30 U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*52*		*ug/L*	*50.0*		*103*	*85-115*			
Surrogate: 1,2-Dichloroethane-d4	*62*		*ug/L*	*50.0*		*124*	*70-120*			S-GC
Surrogate: Toluene-d8	*50*		*ug/L*	*50.0*		*100*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*53*		*ug/L*	*50.0*		*106*	*75-120*			
Blank (7F14017-BLK2)				Prepared: 06/14/2007 09:00 Analyzed: 06/15/2007 03:06						
Dichlorodifluoromethane	0.30 U	1.0	ug/L							
Chloromethane	0.30 U	1.0	ug/L							
Vinyl chloride	0.40 U	1.0	ug/L							
Bromomethane	0.60 U	1.0	ug/L							
Chloroethane	0.30 U	1.0	ug/L							
Trichlorofluoromethane	0.30 U	1.0	ug/L							
Freon 113	0.58 U	1.0	ug/L							
Acetone	2.0 U	5.0	ug/L							
1,1-Dichloroethene	0.20 U	1.0	ug/L							
Carbon disulfide	0.90 U	5.0	ug/L							
Methylene chloride	**3.2**	2.0	ug/L							
Methyl-tert-Butyl Ether	0.20 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.20 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.20 U	1.0	ug/L							
1,1-Dichloroethane	0.20 U	1.0	ug/L							
2-Butanone	2.0 U	5.0	ug/L							
Chloroform	0.20 U	1.0	ug/L							
1,1,1-Trichloroethane	0.30 U	1.0	ug/L							
Methyl acetate	0.51 U	1.0	ug/L							
Cyclohexane	0.45 U	1.0	ug/L							
Methyl cyclohexane	0.55 U	1.0	ug/L							
Carbon tetrachloride	0.30 U	1.0	ug/L							
1,2-Dichloroethane	0.10 U	1.0	ug/L							
Benzene	0.20 U	1.0	ug/L							
Trichloroethene	0.30 U	1.0	ug/L							
1,2-Dichloropropane	0.40 U	1.0	ug/L							
Bromodichloromethane	0.20 U	1.0	ug/L							
4-Methyl-2-pentanone	2.0 U	5.0	ug/L							
2-Hexanone	0.60 U	5.0	ug/L							
cis-1,3-Dichloropropene	0.10 U	1.0	ug/L							
Toluene	0.20 U	1.0	ug/L							
trans-1,3-Dichloropropene	0.20 U	1.0	ug/L							
1,1,2-Trichloroethane	0.30 U	1.0	ug/L							
Tetrachloroethene	0.30 U	1.0	ug/L							
Dibromochloromethane	0.20 U	1.0	ug/L							
1,2-Dibromoethane	0.10 U	1.0	ug/L							

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 7F14017 - EPA 5030B_MS										
Blank (7F14017-BLK2) Continued				Prepared: 06/14/2007 09:00 Analyzed: 06/15/2007 03:06						
Chlorobenzene	0.20 U	1.0	ug/L							
Ethylbenzene	0.30 U	1.0	ug/L							
Bromoform	0.20 U	1.0	ug/L							
Styrene	0.10 U	1.0	ug/L							
Isopropylbenzene	0.10 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.20 U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.10 U	1.0	ug/L							
1,3-Dichlorobenzene	0.20 U	1.0	ug/L							
1,4-Dichlorobenzene	0.10 U	1.0	ug/L							
1,2-Dichlorobenzene	0.20 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.30 U	1.0	ug/L							
Xylenes (Total)	0.30 U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*54*		*ug/L*	*50.0*		*107*	*85-115*			
Surrogate: 1,2-Dichloroethane-d4	*63*		*ug/L*	*50.0*		*126*	*70-120*			S-GC
Surrogate: Toluene-d8	*49*		*ug/L*	*50.0*		*98*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*55*		*ug/L*	*50.0*		*109*	*75-120*			
LCS (7F14017-BS1)				Prepared: 06/14/2007 09:00 Analyzed: 06/14/2007 14:20						
Dichlorodifluoromethane	18	1.0	ug/L	20.0		88	30-155			
Chloromethane	19	1.0	ug/L	20.0		95	40-125			
Vinyl chloride	19	1.0	ug/L	20.0		95	50-145			
Bromomethane	16	1.0	ug/L	20.0		78	30-145			
Chloroethane	21	1.0	ug/L	20.0		106	60-135			
Trichlorofluoromethane	26	1.0	ug/L	20.0		132	60-145			
Acetone	51	5.0	ug/L	50.0		103	40-140			
1,1-Dichloroethene	20	1.0	ug/L	20.0		101	70-130			
Carbon disulfide	28	5.0	ug/L	20.0		141	35-160			
Methylene chloride	19 B	2.0	ug/L	20.0		96	55-140			
Methyl-tert-Butyl Ether	19	1.0	ug/L	20.0		93	65-125			
trans-1,2-Dichloroethene	19	1.0	ug/L	20.0		96	60-140			
cis-1,2-Dichloroethene	18	1.0	ug/L	20.0		91	70-125			
1,1-Dichloroethane	22	1.0	ug/L	20.0		110	70-135			
2-Butanone	49	5.0	ug/L	50.0		99	35-150			
Chloroform	22	1.0	ug/L	20.0		111	65-135			
1,1,1-Trichloroethane	23	1.0	ug/L	20.0		117	65-130			
Carbon tetrachloride	24	1.0	ug/L	20.0		121	65-140			
1,2-Dichloroethane	24	1.0	ug/L	20.0		120	70-130			
Benzene	20	1.0	ug/L	20.0		99	80-120			
Trichloroethene	19	1.0	ug/L	20.0		97	70-125			
1,2-Dichloropropane	19	1.0	ug/L	20.0		97	75-125			
Bromodichloromethane	21	1.0	ug/L	20.0		103	75-120			
4-Methyl-2-pentanone	43	5.0	ug/L	50.0		85	60-135			
2-Hexanone	47	5.0	ug/L	50.0		95	55-130			
cis-1,3-Dichloropropene	21	1.0	ug/L	20.0		106	70-130			
Toluene	21	1.0	ug/L	20.0		104	75-120			

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 7F14017 - EPA 5030B_MS										
LCS (7F14017-BS1) Continued				Prepared: 06/14/2007 09:00 Analyzed: 06/14/2007 14:20						
trans-1,3-Dichloropropene	24	1.0	ug/L	20.0		119	55-140			
1,1,2-Trichloroethane	19	1.0	ug/L	20.0		97	75-125			
Tetrachloroethene	20	1.0	ug/L	20.0		98	45-150			
Dibromochloromethane	20	1.0	ug/L	20.0		100	60-135			
1,2-Dibromoethane	20	1.0	ug/L	20.0		100	80-120			
Chlorobenzene	21	1.0	ug/L	20.0		107	80-120			
Ethylbenzene	20	1.0	ug/L	20.0		100	75-125			
m,p-Xylenes	37	1.0	ug/L	40.0		91	75-130			
o-Xylene	19	1.0	ug/L	20.0		95	80-120			
Bromoform	20	1.0	ug/L	20.0		99	70-130			
Styrene	17	1.0	ug/L	20.0		87	65-135			
Isopropylbenzene	23	1.0	ug/L	20.0		115	75-125			
1,1,2,2-Tetrachloroethane	20	1.0	ug/L	20.0		99	65-130			
1,2,4-Trichlorobenzene	18	1.0	ug/L	20.0		90	65-135			
1,3-Dichlorobenzene	21	1.0	ug/L	20.0		103	75-125			
1,4-Dichlorobenzene	22	1.0	ug/L	20.0		108	75-125			
1,2-Dichlorobenzene	18	1.0	ug/L	20.0		89	70-120			
1,2-Dibromo-3-chloropropane	17	1.0	ug/L	20.0		87	50-130			
Surrogate: Dibromofluoromethane	*54*		*ug/L*	*50.0*		*107*	*85-115*			
Surrogate: 1,2-Dichloroethane-d4	*64*		*ug/L*	*50.0*		*128*	*70-120*			S-GC
Surrogate: Toluene-d8	*49*		*ug/L*	*50.0*		*98*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*54*		*ug/L*	*50.0*		*108*	*75-120*			
Matrix Spike (7F14017-MS1)		**Source: B704815-12**		Prepared: 06/14/2007 09:00 Analyzed: 06/14/2007 14:58						**QM-05**
Dichlorodifluoromethane	6.1	1.0	ug/L	20.0	0.30 U	30	30-155			
Chloromethane	7.4	1.0	ug/L	20.0	0.30 U	37	40-125			
Vinyl chloride	3.6	1.0	ug/L	20.0	0.40 U	18	50-145			
Bromomethane	6.0	1.0	ug/L	20.0	0.60 U	30	30-145			
Chloroethane	6.3	1.0	ug/L	20.0	0.30 U	32	60-135			
Trichlorofluoromethane	7.2	1.0	ug/L	20.0	0.30 U	36	60-145			
Acetone	7.2	5.0	ug/L	50.0	-3.2	21	40-140			
1,1-Dichloroethene	4.0	1.0	ug/L	20.0	0.20 U	20	70-130			
Carbon disulfide	5.7	5.0	ug/L	20.0	0.90 U	28	35-160			
Methylene chloride	3.1 B	2.0	ug/L	20.0	2.0 U	15	55-140			
Methyl-tert-Butyl Ether	5.3	1.0	ug/L	20.0	1.8	18	65-125			
trans-1,2-Dichloroethene	3.5	1.0	ug/L	20.0	0.20 U	18	60-140			
cis-1,2-Dichloroethene	4.6	1.0	ug/L	20.0	0.20 U	23	70-125			
1,1-Dichloroethane	5.2	1.0	ug/L	20.0	0.20 U	26	70-135			
2-Butanone	7.4	5.0	ug/L	50.0	2.0 U	15	30-150			
Chloroform	4.2	1.0	ug/L	20.0	0.20 U	21	65-135			
1,1,1-Trichloroethane	5.8	1.0	ug/L	20.0	0.30 U	29	65-130			
Carbon tetrachloride	4.9	1.0	ug/L	20.0	0.30 U	24	65-140			
1,2-Dichloroethane	4.6	1.0	ug/L	20.0	0.10 U	23	70-130			
Benzene	3.6	1.0	ug/L	20.0	0.28	17	80-120			
Trichloroethene	4.4	1.0	ug/L	20.0	0.30 U	22	70-125			

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 7F14017 - EPA 5030B_MS										
Matrix Spike (7F14017-MS1) Continued		**Source: B704815-12**		Prepared: 06/14/2007 09:00 Analyzed: 06/14/2007 14:58						**QM-05**
1,2-Dichloropropane	4.5	1.0	ug/L	20.0	0.40 U	23	75-125			
Bromodichloromethane	3.2	1.0	ug/L	20.0	0.20 U	16	75-120			
4-Methyl-2-pentanone	7.7	5.0	ug/L	50.0	2.0 U	15	60-135			
2-Hexanone	5.5	5.0	ug/L	50.0	-5.2	21	55-130			
cis-1,3-Dichloropropene	3.7	1.0	ug/L	20.0	0.10 U	18	70-130			
Toluene	3.9	1.0	ug/L	20.0	0.43	17	75-120			
trans-1,3-Dichloropropene	4.0	1.0	ug/L	20.0	0.20 U	20	55-140			
1,1,2-Trichloroethane	3.1	1.0	ug/L	20.0	0.30 U	16	75-125			
Tetrachloroethene	3.2	1.0	ug/L	20.0	0.30 U	16	45-150			
Dibromochloromethane	4.4	1.0	ug/L	20.0	0.20 U	22	60-135			
1,2-Dibromoethane	4.8	1.0	ug/L	20.0	0.10 U	24	80-120			
Chlorobenzene	3.6	1.0	ug/L	20.0	0.20 U	18	80-120			
Ethylbenzene	4.3	1.0	ug/L	20.0	0.93	17	75-125			
m,p-Xylenes	3.5	1.0	ug/L	40.0	-3.8	18	75-130			
o-Xylene	3.8	1.0	ug/L	20.0	0.20 U	19	80-120			
Bromoform	5.6	1.0	ug/L	20.0	0.20 U	28	70-130			
Styrene	0.68	1.0	ug/L	20.0	-2.7	17	65-135			
Isopropylbenzene	4.6	1.0	ug/L	20.0	0.52	20	75-125			
1,1,2,2-Tetrachloroethane	4.0	1.0	ug/L	20.0	0.20 U	20	65-130			
1,2,4-Trichlorobenzene	4.0	1.0	ug/L	20.0	0.10 U	20	65-135			
1,3-Dichlorobenzene	3.7	1.0	ug/L	20.0	0.20 U	18	75-125			
1,4-Dichlorobenzene	3.7	1.0	ug/L	20.0	0.10 U	18	75-125			
1,2-Dichlorobenzene	2.0	1.0	ug/L	20.0	-1.8	19	70-120			
1,2-Dibromo-3-chloropropane	6.1	1.0	ug/L	20.0	0.30 U	31	50-130			
Surrogate: Dibromofluoromethane		*54*	*ug/L*	*50.0*		*108*	*85-115*			
Surrogate: 1,2-Dichloroethane-d4		*63*	*ug/L*	*50.0*		*125*	*70-120*			
Surrogate: Toluene-d8		*48*	*ug/L*	*50.0*		*96*	*85-120*			
Surrogate: 4-Bromofluorobenzene		*53*	*ug/L*	*50.0*		*106*	*75-120*			
Matrix Spike Dup (7F14017-MSD1)		**Source: B704815-12**		Prepared: 06/14/2007 09:00 Analyzed: 06/14/2007 15:30						**QM-05**
Dichlorodifluoromethane	7.7	1.0	ug/L	20.0	0.30 U	39	30-155	24	30	
Chloromethane	9.6	1.0	ug/L	20.0	0.30 U	48	40-125	26	30	
Vinyl chloride	6.6	1.0	ug/L	20.0	0.40 U	33	50-145	58	30	
Bromomethane	8.0	1.0	ug/L	20.0	0.60 U	40	30-145	29	30	
Chloroethane	8.9	1.0	ug/L	20.0	0.30 U	45	60-135	34	30	
Trichlorofluoromethane	11	1.0	ug/L	20.0	0.30 U	53	60-145	38	30	
Acetone	15	5.0	ug/L	50.0	-3.2	36	40-140	68	30	
1,1-Dichloroethene	6.2	1.0	ug/L	20.0	0.20 U	31	70-130	42	30	
Carbon disulfide	9.8	5.0	ug/L	20.0	0.90 U	49	35-160	54	30	
Methylene chloride	6.0 B	2.0	ug/L	20.0	2.0 U	30	55-140	65	30	
Methyl-tert-Butyl Ether	7.8	1.0	ug/L	20.0	1.8	30	65-125	38	30	
trans-1,2-Dichloroethene	6.6	1.0	ug/L	20.0	0.20 U	33	60-140	60	30	
cis-1,2-Dichloroethene	7.4	1.0	ug/L	20.0	0.20 U	37	70-125	46	30	
1,1-Dichloroethane	7.9	1.0	ug/L	20.0	0.20 U	40	70-135	42	30	
2-Butanone	14	5.0	ug/L	50.0	2.0 U	29	30-150	64	30	

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 7F14017 - EPA 5030B_MS										
Matrix Spike Dup (7F14017-MSD1) Continued		**Source: B704815-12**		Prepared: 06/14/2007 09:00 Analyzed: 06/14/2007 15:30						**QM-05**
Chloroform	7.5	1.0	ug/L	20.0	0.20 U	37	65-135	56	30	
1,1,1-Trichloroethane	8.9	1.0	ug/L	20.0	0.30 U	44	65-130	42	30	
Carbon tetrachloride	8.2	1.0	ug/L	20.0	0.30 U	41	65-140	51	30	
1,2-Dichloroethane	8.7	1.0	ug/L	20.0	0.10 U	44	70-130	63	30	
Benzene	6.6	1.0	ug/L	20.0	0.28	31	80-120	57	30	
Trichloroethene	7.3	1.0	ug/L	20.0	0.30 U	36	70-125	48	30	
1,2-Dichloropropane	7.0	1.0	ug/L	20.0	0.40 U	35	75-125	44	30	
Bromodichloromethane	6.9	1.0	ug/L	20.0	0.20 U	35	75-120	75	30	
4-Methyl-2-pentanone	13	5.0	ug/L	50.0	2.0 U	26	60-135	52	30	
2-Hexanone	12	5.0	ug/L	50.0	-5.2	35	55-130	75	30	
cis-1,3-Dichloropropene	7.1	1.0	ug/L	20.0	0.10 U	36	70-130	64	30	
Toluene	6.3	1.0	ug/L	20.0	0.43	29	75-120	48	30	
trans-1,3-Dichloropropene	7.3	1.0	ug/L	20.0	0.20 U	37	55-140	60	30	
1,1,2-Trichloroethane	6.1	1.0	ug/L	20.0	0.30 U	31	75-125	64	30	
Tetrachloroethene	5.6	1.0	ug/L	20.0	0.30 U	28	45-150	54	30	
Dibromochloromethane	7.3	1.0	ug/L	20.0	0.20 U	37	60-135	51	30	
1,2-Dibromoethane	7.9	1.0	ug/L	20.0	0.10 U	39	80-120	49	30	
Chlorobenzene	6.4	1.0	ug/L	20.0	0.20 U	32	80-120	57	30	
Ethylbenzene	6.4	1.0	ug/L	20.0	0.93	27	75-125	40	30	
m,p-Xylenes	7.8	1.0	ug/L	40.0	-3.8	29	75-130	76	30	
o-Xylene	5.8	1.0	ug/L	20.0	0.20 U	29	80-120	41	30	
Bromoform	7.2	1.0	ug/L	20.0	0.20 U	36	70-130	26	30	
Styrene	2.8	1.0	ug/L	20.0	-2.7	27	65-135	121	30	
Isopropylbenzene	6.9	1.0	ug/L	20.0	0.52	32	75-125	40	30	
1,1,2,2-Tetrachloroethane	6.4	1.0	ug/L	20.0	0.20 U	32	65-130	47	30	
1,2,4-Trichlorobenzene	5.3	1.0	ug/L	20.0	0.10 U	27	65-135	29	30	
1,3-Dichlorobenzene	6.2	1.0	ug/L	20.0	0.20 U	31	75-125	52	30	
1,4-Dichlorobenzene	6.4	1.0	ug/L	20.0	0.10 U	32	75-125	54	30	
1,2-Dichlorobenzene	4.2	1.0	ug/L	20.0	-1.8	30	70-120	73	30	
1,2-Dibromo-3-chloropropane	8.0	1.0	ug/L	20.0	0.30 U	40	50-130	26	30	
Surrogate: Dibromofluoromethane	*56*		*ug/L*	*50.0*		*112*	*85-115*			
Surrogate: 1,2-Dichloroethane-d4	*64*		*ug/L*	*50.0*		*128*	*70-120*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.0*		*98*	*85-120*			
Surrogate: 4-Bromofluorobenzene	*53*		*ug/L*	*50.0*		*106*	*75-120*			
Semivolatile Organic Compounds by GCMS SIM - Quality Control										
Batch 7F12002 - EPA 3510C_MS										
Blank (7F12002-BLK1)				Prepared: 06/12/2007 11:06 Analyzed: 06/18/2007 16:10						
Naphthalene	0.05 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 7F12002 - EPA 3510C_MS										
Blank (7F12002-BLK1) Continued				Prepared: 06/12/2007 11:06 Analyzed: 06/18/2007 16:10						
Benzo(b)fluoranthene	0.02 U	0.10	ug/L							
Benzo(k)fluoranthene	0.02 U	0.10	ug/L							
Fluorene	0.05 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	0.04 U	0.10	ug/L							
Anthracene	0.02 U	0.10	ug/L							
Fluoranthene	0.03 U	0.10	ug/L							
Pyrene	0.03 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	*4.94*		*ug/L*	*5.00*		*99*	*50-135*			
LCS (7F12002-BS1)				Prepared: 06/12/2007 11:06 Analyzed: 06/18/2007 16:27						
Naphthalene	1.53	0.10	ug/L	2.00		76	40-100			
2-Methylnaphthalene	1.58	0.10	ug/L	2.00		79	45-105			
1-Methylnaphthalene	1.57	0.10	ug/L	2.00		78	30-99			
Acenaphthylene	1.52	0.10	ug/L	2.00		76	50-105			
Acenaphthene	1.50	0.10	ug/L	2.00		75	45-110			
Benzo(a)anthracene	1.66	0.10	ug/L	2.00		83	55-110			
Benzo(b)fluoranthene	1.54	0.10	ug/L	2.00		77	45-120			
Benzo(k)fluoranthene	1.64	0.10	ug/L	2.00		82	45-125			
Fluorene	1.55	0.10	ug/L	2.00		78	50-110			
Benzo(g,h,i)perylene	1.81	0.10	ug/L	2.00		90	40-125			
Benzo(a)pyrene	1.56	0.10	ug/L	2.00		78	55-110			
Phenanthrene	1.67	0.10	ug/L	2.00		84	50-110			
Anthracene	1.65	0.10	ug/L	2.00		82	55-110			
Fluoranthene	2.01	0.10	ug/L	2.00		100	55-115			
Pyrene	1.96	0.10	ug/L	2.00		98	50-130			
Chrysene	1.59	0.10	ug/L	2.00		80	55-110			
Dibenzo(a,h)anthracene	1.82	0.10	ug/L	2.00		91	40-125			
Indeno(1,2,3-cd)pyrene	1.83	0.10	ug/L	2.00		92	45-125			
Surrogate: p-Terphenyl	*5.68*		*ug/L*	*5.00*		*114*	*50-135*			
Matrix Spike (7F12002-MS1)		**Source: B704815-12**		Prepared: 06/12/2007 11:06 Analyzed: 06/18/2007 16:45						
Naphthalene	1.54	0.10	ug/L	2.00	0.17	68	40-100			
2-Methylnaphthalene	1.68	0.10	ug/L	2.00	0.02 U	84	45-105			
1-Methylnaphthalene	1.52	0.10	ug/L	2.00	0.02 U	76	30-96			
Acenaphthylene	1.56	0.10	ug/L	2.00	0.01 U	78	50-105			
Acenaphthene	1.60	0.10	ug/L	2.00	0.22	69	45-110			
Benzo(a)anthracene	1.72	0.10	ug/L	2.00	0.01 U	86	55-110			
Benzo(b)fluoranthene	1.71	0.10	ug/L	2.00	0.02 U	86	45-120			
Benzo(k)fluoranthene	1.81	0.10	ug/L	2.00	0.02 U	90	45-125			
Fluorene	1.57	0.10	ug/L	2.00	0.54	52	50-110			
Benzo(g,h,i)perylene	1.92	0.10	ug/L	2.00	0.03 U	96	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 7F12002 - EPA 3510C_MS										
Matrix Spike (7F12002-MS1) Continued		**Source: B704815-12**		Prepared: 06/12/2007 11:06 Analyzed: 06/18/2007 16:45						
Benzo(a)pyrene	1.67	0.10	ug/L	2.00	0.01 U	84	55-110			
Phenanthrene	1.74	0.10	ug/L	2.00	0.04 U	87	50-110			
Anthracene	1.65	0.10	ug/L	2.00	0.02 U	82	55-110			
Fluoranthene	2.06	0.10	ug/L	2.00	0.03 U	103	55-115			
Pyrene	2.02	0.10	ug/L	2.00	0.03 U	101	50-130			
Chrysene	1.66	0.10	ug/L	2.00	0.02 U	83	55-110			
Dibenzo(a,h)anthracene	1.96	0.10	ug/L	2.00	0.02 U	98	40-125			
Indeno(1,2,3-cd)pyrene	1.94	0.10	ug/L	2.00	0.02 U	97	45-125			
Surrogate: p-Terphenyl	*5.65*		*ug/L*	*5.00*		*113*	*50-135*			
Matrix Spike Dup (7F12002-MSD1)		**Source: B704815-12**		Prepared: 06/12/2007 11:06 Analyzed: 06/18/2007 17:02						
Naphthalene	1.49	0.10	ug/L	2.00	0.17	66	40-100	3	30	
2-Methylnaphthalene	1.62	0.10	ug/L	2.00	0.02 U	81	45-105	4	30	
1-Methylnaphthalene	1.47	0.10	ug/L	2.00	0.02 U	74	30-96	3	29	
Acenaphthylene	1.52	0.10	ug/L	2.00	0.01 U	76	50-105	3	30	
Acenaphthene	1.58	0.10	ug/L	2.00	0.22	68	45-110	1	30	
Benzo(a)anthracene	1.70	0.10	ug/L	2.00	0.01 U	85	55-110	1	30	
Benzo(b)fluoranthene	1.65	0.10	ug/L	2.00	0.02 U	82	45-120	4	30	
Benzo(k)fluoranthene	1.78	0.10	ug/L	2.00	0.02 U	89	45-125	2	30	
Fluorene	1.54	0.10	ug/L	2.00	0.54	50	50-110	2	30	
Benzo(g,h,i)perylene	1.84	0.10	ug/L	2.00	0.03 U	92	40-125	4	30	
Benzo(a)pyrene	1.61	0.10	ug/L	2.00	0.01 U	80	55-110	4	30	
Phenanthrene	1.65	0.10	ug/L	2.00	0.04 U	82	50-110	5	30	
Anthracene	1.54	0.10	ug/L	2.00	0.02 U	77	55-110	7	30	
Fluoranthene	1.95	0.10	ug/L	2.00	0.03 U	98	55-115	5	30	
Pyrene	1.90	0.10	ug/L	2.00	0.03 U	95	50-130	6	30	
Chrysene	1.53	0.10	ug/L	2.00	0.02 U	76	55-110	8	30	
Dibenzo(a,h)anthracene	1.89	0.10	ug/L	2.00	0.02 U	94	40-125	4	30	
Indeno(1,2,3-cd)pyrene	1.87	0.10	ug/L	2.00	0.02 U	94	45-125	4	30	
Surrogate: p-Terphenyl	*5.69*		*ug/L*	*5.00*		*114*	*50-135*			

NOTES AND DEFINITIONS

B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
O-01	This compound is a common laboratory contaminant.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

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

TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER B704815 PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G80378	S.to 81 AB Cocoa Field	Karen	904 636 6125	Enco
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Mike Yarbrough		Mike Yarbrough	904 303 3133	Phillips Hwy
		CARRIER/WAYBILL NUMBER		CITY, STATE
				JAX FLA

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

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: HCL N/A

DATE YEAR 2007	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAP (G) COMP (C)	No. OF CONTAINERS	VOC's 8260B	PAH's 8310	COMMENTS
6/6	1437	CEF-081-01I-29.2-06062007				GW	G	4	✓	✓	Cool @ < 4°C
6/7	1407	CEF-081-14S-013-06072007						4	✓	✓	
6/7	1657	CEF-081-16S-015-06072007						4	✓	✓	
6/7	1506	CEF-081-17S-015-06072007						4	✓	✓	
6/7	1557	CEF-081-08SR-030-06072007						4	✓	✓	
6/8	1147	CEF-081-19I-035-06082007						4	✓	✓	
6/8	1100	CEF-081-20I-035-06082007						4	✓	✓	
6/8	1000	CEF-081-13S-12.1-06082007						8	✓	✓	Dup-1
6/8	0900	CEF-081-09S-12.7-06082007						4	✓	✓	
6/7	1127	CEF-081-15S-015-06072007						4	✓	✓	
6/7	1243	CEF-081-18I-035-06072007						4	✓	✓	
6/7	0943	CEF-081-22I-035-06072007						12	✓	✓	MS MSD
6/7	1043	CEF-081-21I-035-06072007						4	✓	✓	

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
Mike Yarbrough	6/8/07	1345			
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME
			[illegible]	6/8/07	1345

COMMENTS: C37 @ 0.9°C G450 @ 1.0°C

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

4/02R
FORM NO. TINUS-001

The total number of pages in this report, including this page is 1.