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SEMI-ANNUAL GROUNDWATER MONITORING LETTER REPORT YEAR 3 EVENT 1 FOR OCALA F-18 CRASH SITE NAS CECIL FIELD FL
8/19/2008
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

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Project Number 112GN4093

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 III Contract Number N62467-94-D-0888
Contract Task Order 0209

Subject: Semi-Annual Groundwater Monitoring Report, Year 3, Event 1 – February 2008
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Dear Mr. Grabka:

Tetra Tech NUS, Inc. (TtNUS) is pleased to submit this Semi-Annual Groundwater Monitoring Report under the referenced Contract Task Order for the Ocala F-18 Crash Site. This report was prepared for the United States Navy, Naval Facilities Engineering Command Southeast (NAVFAC SE) under the Comprehensive Long-Term Environmental Action Navy (CLEAN) III Contract Number N62467-94-D-0888. This report summarizes the field work and laboratory analytical results for the first semi-annual sampling event for Year 3 conducted on February 25, 2008, in accordance with the Natural Attenuation Monitoring Plan Approval Order (NAMPAO), issued by the Florida Department of Environmental Protection (FDEP), and Chapter 62-770, Florida Administrative Code (F.A.C.). The NAMPAO is included in Attachment A. Groundwater sampling activities were performed in general accordance with FDEP Standard Operating Procedures (SOPs) 1001 and FS 2002 and TtNUS SOP SA-1.1.

BACKGROUND

The Ocala F-18 Crash Site is located in the Ocala National Forest approximately 82 miles south of Naval Air Station Cecil Field, Jacksonville, Florida, and approximately 22 miles southeast of Ocala, Florida. The general site location is depicted on Figure 1.

In June 1994, a Navy F-18 jet crashed in the Ocala National Forest. A site assessment and initial remedial action were conducted by Bechtel Environmental, Inc. In September 1997, Harding Lawson Associates (HLA) sampled monitoring wells CEF-CS1A, CEF-CS2, and CEF-CS3 to evaluate groundwater quality at the site. Concentrations of benzene, ethylbenzene, total xylenes, and naphthalene detected in monitoring well CEF-CS1A exceeded Groundwater Cleanup Target Levels (GCTLs) cited in Chapter 62-777, F.A.C. An additional monitoring well (CEF-CS7) was installed on November 20, 1997, to assess downgradient groundwater quality. HLA submitted a Monitoring Only Natural Attenuation (MONA) Plan for the site dated January 20, 1998, and was approved by FDEP in April 1998. HLA performed

quarterly groundwater monitoring from May 4, 1998, through February 22, 1999. TtNUS began performing monitoring activities after the February 1999 sampling event. During the third year of monitoring in October 2002, TtNUS recommended preparation of a treatability study to use an innovative technology to remediate the site because the concentrations of contaminants of concern (COCs) had not decreased to meet the MONA target levels. The Base Realignment and Closure (BRAC) Team (BCT) members decided to continue with monitoring instead of conducting the treatability study. The COCs, as defined in the MONA, were benzene, toluene, ethylbenzene, xylenes, methyl tert-butyl ether, and polynuclear aromatic hydrocarbons (PAHs). Monitoring continued in April 2003, and the concentrations of COCs appeared to be within milestones set by the MONA order. Therefore, continued monitoring was recommended. However, the FDEP reviewed the Natural Attenuation Monitoring Plan (NAMP) dated August 3, 2005, and stated that 5 years had transpired without a decrease in COCs to concentrations less than GCTLs. FDEP required the installation of an additional well directly downgradient of the source well and also required sampling, reporting, and recommendations. Based on the need for a more refined delineation of the plume centered on well CEF-CS1A, TtNUS mobilized to the site to install three perimeter wells (CEF-CS-8, CEF-CS-9, and CEF-CS-10).

Results of the sampling event conducted after the installation of the new monitoring wells in 2005 showed concentrations of benzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene in exceedance of GCTLs at CEF-CS1A. Isopropyl benzene was also detected in the source well (CEF-CS1A). In addition, benzo(a)anthracene and benzo(b)fluoranthene were detected in excess of GCTLs in monitoring well CEF-CS8; however, this was an isolated event. Based on the new sampling data, a revised NAMP was proposed with new action levels for different wells and the following COCs: benzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene. FDEP approved the recommendation for a NAMPAO in October 2005 (see Attachment A).

Brief summaries of the groundwater results for the semi-annual sampling events following approval of the revised NAMPAO is provided below.

Results of the sampling event conducted in March 2006 showed only 1,2,4-trimethylbenzene concentrations greater than the GCTLs at CEF-CS1A. The source well was the only well located on site that showed any detections or exceedances of the COCs.

Results of the sampling event conducted in September 2006 showed benzene and 1,2,4-trimethylbenzene concentrations greater than the GCTLs at CEF-CS1A. The source well was the only well located on site that showed any detections or exceedances of the COCs.

Results of the sampling event conducted in February 2007 showed benzene, 1,2,4-trimethylbenzene, 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene concentrations greater than the GCTLs at CEF-CS1A. The source well was the only well located on site that showed any detections or exceedances of the COCs.

Results of the sampling event conducted in August 2007 showed 1,2,4-trimethylbenzene, isopropyl benzene, 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene concentrations greater than the GCTLs at CEF-CS1A. The source well was the only well located on site that showed any detections or exceedances of the COCs.

A brief discussion of the sampling activities and groundwater results for the first semi-annual Year 3 (February 2008) sampling event is provided below.

FIELD ACTIVITIES

Groundwater samples were collected on February 25, 2008 using the bailer method from the source monitoring well (CEF-CS1A) and three perimeter wells (CEF-CS3, CEF-CS8, and CEF-CS10). Locations

of the monitoring wells are shown on Figure 2. Following collection, the groundwater samples were placed on ice and hand-delivered under chain of custody to Columbia Analytical Services (CAS) in Jacksonville, Florida, for analysis. All samples were analyzed for volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method 8260B and for PAHs using USEPA Method 8310.

Prior to obtaining groundwater samples, water levels in all the wells were measured and recorded on a site-specific groundwater level measurement sheet. The depth to water ranged from 24.76 feet below top of casing (btoc) (CEF-CS4) to 28.33 feet btoc (CEF-CS2). General protocols were in accordance with FDEP SOPs and TtNUS SOP SA-1.1. The data were recorded on groundwater sample log sheets and low-flow purge data sheets. Depth-to-water measurements, top-of-casing elevations, and groundwater elevations are presented in Table 1.

RESULTS

The groundwater elevation data from February 2008 indicate that the presence of a groundwater divide exists near the center of the site. Groundwater flow is to the northwest and southeast, away from the divide as shown on Figure 2. This groundwater flow is consistent with the groundwater flow observed during the August 2007 sampling event, but this groundwater divide has only been observed at the site since August 2007. The groundwater flow was observed consistently to be to the north in sampling events prior to August 2007.

During the February 2008 sampling event, concentrations of benzene, 1,2,4-trimethylbenzene, naphthalene, 1-methylnaphthalene, 2-methylnaphthalene, and isopropyl benzene exceeded their respective GCTLs in source well CEF-CS1A. The source well is the only well located on site that showed any detections or exceedances of the COCs. Benzene was detected at 1.6 micrograms per liter (µg/L), which is in excess of its GCTL of 1 µg/L. In CEF-CS1A, 1,2,4-trimethylbenzene was detected at 29 µg/L, exceeding its GCTL of 10 µg/L. Naphthalene was detected at 33 µg/L, in excess of its GCTL of 14 µg/L. 1-Methylnaphthalene and 2-methylnaphthalene were detected in CEF-CS1A at respective concentrations of 50 µg/L and 54 µg/L, greater than their GCTL of 28 µg/L. In addition, isopropyl benzene was detected at a concentration of 16 µg/L, in excess of its GCTL of 0.8 µg/L. In CEF-CS1A, ethylbenzene was detected at a concentration equal to its GCTL of 30 µg/L. Benzene, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene exceeded their milestone objectives for End of Year 3. Isopropyl benzene was not identified as a COC in the NAMPAO, and therefore does not have any milestone objectives.

In perimeter monitoring wells CEF-CS3, CEF-CS8, and CEF-CS10, target analytes were not detected at concentrations greater than their associated detection limits; therefore, the results from these wells were below their End of Year 3 action levels specified in the NAMPAO. Laboratory analytical results from the February 2008 sampling event are presented on Figure 3 and summarized in Table 2.

The historical laboratory analytical results and action levels are summarized in Table 3. The laboratory analytical report is provided as Attachment B.

CONCLUSIONS AND RECOMMENDATIONS

For the February 2008 sampling event, benzene, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene concentrations in source well CEF-CS1A were greater than the End of Year 3 action levels specified in the NAMPAO. The concentrations of 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene in source well CEF-CS1A were less than the End of Year 3 action levels in the NAMPAO; however, the concentration of 1,2,4-trimethylbenzene was greater than its GCTL of 10 µg/L. Isopropyl benzene was detected at 16 µg/L, twice the level of its Natural Attenuation Default Concentration of 8 µg/L. No action level was designated for isopropyl benzene in the NAMPAO. All contaminants detected in perimeter wells were at concentrations less than their respective GCTLs and

action levels for perimeter wells specified in the NAMPAO. GCTL exceedances in source well CEF-CS1A included: benzene, 1,2,4-trimethylbenzene, isopropyl benzene, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene.

The following observations were made following the review of the data collected in February 2008:

- Benzene and 1,2,4-trimethylbenzene concentrations doubled in the source well CEF-CS1A since the August 2007 sampling event.
- The benzene concentration in the source well was greater than the End of Year 3 action level.
- The 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene concentrations in the source well were less than the End of Year 3 action levels.
- Naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene concentrations were still greater than their respective End of Year 3 action levels.
- Isopropyl benzene, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene concentrations decreased since the previous sampling event (August 2007), but were greater than their respective GCTLs.

Based on directives resulting from the BCT meetings in June 2008, it is recommended that groundwater sampling will continue on an annual basis and will include isopropyl benzene as a permanent COC as part of the COCs defined in the NAMPAO. The next groundwater sampling event is scheduled for February 2009.

As discussed during the July 2008 BCT meeting, additional soil sampling is recommended in the area surrounding the source well, CEF-CS1A, since groundwater samples collected from CEF-CS1A in February 2008 showed benzene, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene concentrations greater than the End of Year 3 action levels specified in the NAMPAO. Groundwater samples collected from perimeter monitoring wells CEF-CS3, CEF-CS8, and CEF-CS10, showed that all target analytes were below their End of Year 3 action levels specified in the NAMPAO.

The elevated dissolved concentrations may be attributed to residual soil contamination in the area surrounding CEF-CS1A. According to a January 20, 1998 Monitoring Only Proposal by ABB, in September and November 1994, approximately 2,650 cubic yards of contaminated soil were excavated from the site by Bechtel. In February 1995, Bechtel completed a site assessment consisting of six soil borings, three piezometers, and one permanent monitoring well. In January 1996, Bechtel removed an additional 576 tons of soil and installed the first six monitoring wells. Records regarding the vertical and horizontal extent of the soil removal activities, that might have included confirmatory soil sampling locations and analyses, are not available for review.

July 2008 BCT meeting discussions included recommendations to collect additional soil samples in the area of CEF-CS1A. The initial soil sampling location will be located adjacent to the existing source well CEF-CS1A. Based on historical groundwater elevation data, the depth to water in the area of CEF-CS1A has fluctuated from approximately 20 feet to 30 feet below land surface (bls). Therefore, soil samples will be collected at 2-foot intervals continuously from land surface to approximately 4 feet into the static water table (for smear zone samples). The samples collected above the water table will be screened for petroleum impacts using an organic vapor analyzer (OVA) equipped with a flame-ionization detector (FID). Soil samples exhibiting elevated OVA-FID readings greater than 50 parts per million (ppm), after correction for methane, will be collected for laboratory analyses. At least one sample will also be collected within the smear zone determined in the field by visual inspection at the interval where characteristic petroleum staining and/or odors are noted, if present.

Samples will be submitted to a fixed-base laboratory for analyses of the parameters listed in USEPA Method 8260 for VOCs and USEPA Method 8270 for PAHs. In addition, one sample will be collected from this area for physical characteristics including, but not limited to, total organic carbon (TOC) and grain size analysis.

Based on observations and field screening results from this initial soil sampling location, additional soil sampling locations will be investigated. Soil samples will be collected by stepping out from the area of CEF-CS1A in groups of four located every 10 feet until the extent of soil contamination is delineated. The OVA-FID results will be used to delineate the extent of soil contamination and actual sampling locations will be determined in the field by a TtNUS geologist. Soil samples exhibiting elevated OVA-FID readings greater than 50 ppm, after correction for methane, will be collected for laboratory analyses. Samples will be submitted to a fixed-base laboratory for analyses of the parameters listed in USEPA Method 8260 for VOCs and USEPA Method 8270 for PAHs.

The historical groundwater quality data for the source well, CEF-CS1A, shows fluctuations in contaminant concentrations that appear to correlate with water table fluctuations. Specifically, the COCs benzene, ethylbenzene, total xylenes, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene have fluctuated from less than the FDEP GCTLs during periods of higher water table elevations (above sea level) to greater than the GCTLs during periods of lower water table elevations (above sea level). The flushing effect of the water table fluctuations may have resulted in laboratory analytical data that is not representative of groundwater quality in the area of CEF-CS1A. If the filter pack (20/30 sand) or other components of the well materials used to construct CEF-CS1A have been compromised, elevated dissolved concentrations might be present in this well but not at concentrations that would result in detectable levels downgradient from this well.

During the mobilization for the proposed soil sampling activities, CEF-CS1A will be abandoned and a replacement well will be re-installed in this area to represent groundwater quality in the source area. The proposed well will be installed by a Florida-licensed well driller under the supervision of a TtNUS geologist during the first day of mobilization. After at least 24 hours following installation, the well will be properly developed and will be sampled on the final day of the proposed field activities. The 2-inch diameter monitoring well will be installed using conventional rotary drilling methods with hollow stem augers. Well construction will consist of a well screen length of 15 feet to be installed approximately 10 feet into the static water table with approximately 5 feet of screen installed above the water table. The well will also be constructed to allow at least 3 feet of the solid PVC well casing to stick up above grade and will be completed using a 4-inch square steel protective cover. The proposed well will be equipped with a submersible pump for development, purging, and sampling purposes. The well will also be constructed to allow at least 3 feet of the solid PVC well casing to stick up above grade and will be completed inside a 4-inch square steel protective cover.

Following soil sampling and well installation activities, groundwater samples will be collected from the newly installed source well. In addition, due to its proximity to CEF-CS1A, groundwater samples will be collected from CEF-CS6. All groundwater samples will be submitted to a fixed-base laboratory for analyses of the parameters listed in USEPA Method 8260B for VOCs and USEPA Method 8310 for PAHs.

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

Sincerely,

Mark A. Peterson, P.G.
Task Order Manager
Florida License Number PG-0001852

Kara F. Wimble
Project Scientist

MAP/kw

Attachments (8)

c: B Nwokike, NAVFAC SE (CD only)
J. Thorsen, Seminole Ranger District
M. Perry, TtNUS (unbound and CD)
R. Simcik, TtNUS (bookcase file)
D. Humbert, TtNUS (cover letter only)
CTO 209 Project File
J. Johnson, TtNUS (Information Repository)

CERTIFICATION

The information contained herein is based on the geologic investigation and associated information detailed in the text and appended to this report. If conditions are determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of any additional information on the information described in this report. This Semi-Annual Groundwater Monitoring Report, Year 3, Event 1 – February 2008, was developed for the Ocala F-18 Crash Site and should not be construed to apply to any other site.

August 19, 2008
Mark A. Peterson, P.G.
Florida License Number PG-0001852

TABLES

Table 1
Groundwater Elevation and Monitoring Well Construction Data

3rd Year, 1st Semi-Annual Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Monitoring Well Identification	Total Well Depth (ft bgs)	Screened Interval (ft bgs)	TOC Elevation (ft above msl)*	May 4, 1998		August 26, 1998		November 23, 1998		February 22, 1999	
				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-CS1A	31.0	15.5 to 30.5	81.30	20.30	61.00	21.85	59.45	20.23	61.07	22.39	58.91
CEF-CS2	29.5	14.0 to 29.0	83.54	22.52	61.02	24.17	59.37	22.42	61.12	24.60	58.94
CEF-CS3	32.0	16.5 to 31.5	80.98	20.08	60.90	21.60	59.38	20.00	60.98	22.16	58.82
CEF-CS4	29.5	14.0 to 29.0	79.88	19.05	60.83	20.55	59.33	18.96	60.92	21.12	58.76
CEF-CS5	33.0	17.5 to 32.5	80.66	19.79	60.87	21.06	59.60	19.50	61.16	21.68	58.98
CEF-CS6	53.5	48.0 to 53.0	81.59	20.61	60.98	22.15	59.44	20.52	61.07	22.67	58.92
CEF-CS7	29.9	19.0 to 29.0	80.89	20.11	60.78	21.64	59.25	20.00	60.89	22.15	58.74
CEF-CS8	32.4	17.4 to 32.4	81.75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CEF-CS9	32.9	17.9 to 32.9	82.31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CEF-CS10	32.7	17.7 to 32.7	82.09	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Monitoring Well Identification	Total Well Depth (ft bgs)	Screened Interval (ft bgs)	TOC Elevation (ft above msl)*	October 4, 1999		March 7, 2000		September 27, 2000		March 7, 2001	
				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-CS1A	31.0	15.5 to 30.5	81.30	25.05	56.25	25.98	55.32	28.49	52.81	30.29	51.01
CEF-CS2	29.5	14.0 to 29.0	83.54	27.33	56.21	28.28	55.26	30.77	52.77	31.91	51.63
CEF-CS3	32.0	16.5 to 31.5	80.98	24.84	56.14	25.82	55.16	28.26	52.72	30.07	50.91
CEF-CS4	29.5	14.0 to 29.0	79.88	23.79	56.09	24.80	55.08	27.19	52.69	29.02	50.86
CEF-CS5	33.0	17.5 to 32.5	80.66	24.33	56.33	25.35	55.31	27.77	52.89	29.6	51.06
CEF-CS6	53.5	48.0 to 53.0	81.59	25.37	56.22	26.33	55.26	28.78	52.81	30.59	51.00
CEF-CS7	29.9	19.0 to 29.0	80.89	24.84	56.05	25.81	55.08	28.27	52.62	DRY	<50.99
CEF-CS8	32.4	17.4 to 32.4	81.75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CEF-CS9	32.9	17.9 to 32.9	82.31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CEF-CS10	32.7	17.7 to 32.7	82.09	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 1 (Continued)
Groundwater Elevation and Monitoring Well Construction Data

3rd Year, 1st Semi-Annual Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Monitoring Well Identification	Total Well Depth (ft bgs)	Screened Interval (ft bgs)	TOC Elevation (ft above msl)*	October 4, 2002		April 21. 2003		January 19, 2005		March 15, 2006	
				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-CS1A	31.0	15.5 to 30.5	81.30	24.23	57.07	21.76	59.54	21.42	59.88	20.73	60.57
CEF-CS2	29.5	14.0 to 29.0	83.54	26.59	56.95	24.13	59.41	23.71	59.83	23.00	60.54
CEF-CS3	32.0	16.5 to 31.5	80.98	23.98	57.00	21.53	59.45	21.21	59.77	20.55	60.43
CEF-CS4	29.5	14.0 to 29.0	79.88	22.89	56.99	20.44	59.44	20.17	59.71	19.52	60.36
CEF-CS5	33.0	17.5 to 32.5	80.66	23.43	57.23	20.96	59.70	20.73	59.93	20.08	60.58
CEF-CS6	53.5	48.0 to 53.0	81.59	24.55	57.04	22.10	59.49	21.72	59.87	21.06	60.53
CEF-CS7	29.9	19.0 to 29.0	80.89	23.97	56.92	21.52	59.37	21.19	59.70	20.55	60.34
CEF-CS8	32.4	17.4 to 32.4	81.75	N/A	N/A	N/A	N/A	21.85	59.90	21.18	60.57
CEF-CS9	32.9	17.9 to 32.9	82.31	N/A	N/A	N/A	N/A	22.45	59.86	21.94	60.37
CEF-CS10	32.7	17.7 to 32.7	82.09	N/A	N/A	N/A	N/A	22.76	59.33	21.61	60.48

Monitoring Well Identification	Total Well Depth (ft bgs)	Screened Interval (ft bgs)	TOC Elevation (ft above msl)*	September 19, 2006		February 8, 2007		August 21, 2007		February 25, 2008	
				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-CS1A	31.0	15.5 to 30.5	81.30	22.72	58.58	24.76	56.54	25.65	55.65	26.02	55.28
CEF-CS2	29.5	14.0 to 29.0	83.54	25.08	58.46	27.07	56.47	28.02	55.52	28.33	55.21
CEF-CS3	32.0	16.5 to 31.5	80.98	22.58	58.40	24.56	56.42	25.43	55.55	25.81	55.17
CEF-CS4	29.5	14.0 to 29.0	79.88	21.50	58.38	23.52	56.36	24.36	55.52	24.76	55.12
CEF-CS5	33.0	17.5 to 32.5	80.66	22.07	58.59	24.08	56.58	24.91	55.75	25.32	55.34
CEF-CS6	53.5	48.0 to 53.0	81.59	23.04	58.55	25.09	56.50	25.97	55.62	26.32	55.27
CEF-CS7	29.9	19.0 to 29.0	80.89	22.54	58.35	24.55	56.34	25.39	55.50	25.79	55.10
CEF-CS8	32.4	17.4 to 32.4	81.75	23.22	58.53	25.23	56.52	26.15	55.60	26.47	55.28
CEF-CS9	32.9	17.9 to 32.9	82.31	23.83	58.48	25.81	56.50	26.73	55.58	27.07	55.24
CEF-CS10	32.7	17.7 to 32.7	82.09	23.65	58.44	25.61	56.48	NM	NM	26.86	55.23

*Top-of-casing elevations for monitoring wells CEF-CS1A through CEF-CS6 were surveyed by ARC Surveying, Inc. for the Remediation Closure Report. Following installation, monitoring well CEF-CS7 was surveyed by HLA personnel based on ARC Surveying, Inc.'s data.

bgs = Below ground surface btoc = Below top of casing msl = Mean sea level N/A = Not applicable < = Less than

Table 2
Summary of Detections in Groundwater

3rd Year, 1st Semi-Annual Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Contaminant	Monitoring Well Location					Cleanup Criteria*	
	CEF-CS1A (source)		CEF-CS3 (perimeter)	CEF-CS8 (perimeter)	CEF-CS10 (perimeter)	GCTL(1)	Milestone Objectives (end of year 3)
	Sample	Duplicate					
VOCs (USEPA Method 8260B) (µg/L)							
Acetone	8.3 J	1.7 U	1.7 U	1.7 U	1.7 U	6300	NA
Benzene	**1.6**	1.40	0.20 U	0.20 U	0.20 U	1	1
Isopropyl benzene	**16**	**15**	0.36 U	0.36 U	0.36 U	0.8	NA
Ethylbenzene	30	29	0.20 U	0.20 U	0.20 U	30	NA
Styrene	0.38 J	0.22 U	0.22 U	0.22 U	0.22 U	100	NA
Toluene	0.76 J	0.77 J	0.14 U	0.14 U	0.14 U	40	NA
Total Xylenes	7.5	6.1	0.72 U	0.72 U	0.72 U	20	NA
1,3,5-Trimethlybenzene	5.7	4.7	0.42 U	0.42 U	0.42 U	10	13
1,2,4-Trimethylbenzene	**29**	**19**	0.40 U	0.40 U	0.40 U	10	30
PAHs (USEPA Method 8270C SIM) (µg/L)							
Fluorene	0.17	0.15	0.041 U	0.043 U	0.041 U	0.05	NA
Naphthalene	**33**	**30**	0.070 J	0.061 J	0.063 J	21	20
1-Methylnapthalene	**50**	**47**	0.037 U	0.039 U	0.037 U	28	31
2-Methylnapthalene	**54**	**51**	0.038 U	0.040 U	0.038 U	28	31
Phenanthrene	0.070 J	0.061 J	0.038 U	0.040 U	0.038 U	0.2	NE

* Action levels and milestones based on the NAMPAO.
1 GCTL as defined by Chapter 62-777, F.A.C., Table I (as amended April 2005).
Bold font indicates a GCTL exceedance.
NS = Not sampled
NE = Not established
NA = No value presented in the current Approval Order from NAMPAO.
U = Not detected at detection limit shown
J - Estimated value
I = value between laboratory method detection limit and laboratory practival quantitation limit
GCTL = Groundwater Cleanup Target Level

Table 3
Summary of Historical Detections in Groundwater

3rd Year, 1st Semi-Annual Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Contaminant	FDEP GCTL [1] (µg/L)	Action Level Objectives					CEF-CS1A (source)[2]											
		End of Year 1 (2006)	End of Year 2 (2007)	End of Year 3 (2008)	End of Year 4 (2009)	End of Year 5 (2010)	Aug 98	Nov 98	Feb 99	Oct 99	Mar 00	Mar-00	Sep 00	Mar 01	Oct 02	Oct 02	Apr 03	Jan 05
VOCs (µg/L)																		
Benzene	1	3	2	1	1 U	1 U	**16**	**14**	**13**	**16.9**	**16.6**	**16.6**	**42**	**39**	1.0	**1.2**	ND	**1.5**
Ethylbenzene	30	NE	NE	NE	NE	NE	**44**	**31**	**34**	**43.2**	**31.2**	**31.2**	**31**	**50**	28.0	**30.2**	10.6	22
Toluene	40	NE	NE	NE	NE	NE	7.1	3.5	1.8	3.4	2.1	2.1	6	8.9	ND	0.61	0.56	0.73
Total Xylenes	20	NE	NE	NE	NE	NE	**115**	**63**	**33**	**80.4**	**38.4**	**38.4**	**39**	**53**	16.2	16.3	9.2	10
1,3,5-Trimethylbenzene	10	15	14	13	12	10 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**12**
1,2,4-Trimethylbenzene	10	50	40	30	20	10 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**48**
Isopropyl benzene	0.8	NE	NE	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**11**
PAHs[3] (µg/L)																		
Naphthalene	14	30	25	20	15	14 U	**52**	**75**	**39**	16	**29.5**	16.8	**34**	**61**	**34.5**	**33.5**	13.4	**20**
1-Methylnaphthalene	28	33	32	31	30	28 U	**45**	**87**	**31**	**27**	**37.2**	**20.3**	**20**	**32**	**62.4**	**62.2**	**30.7**	**31**
2-Methylnaphthalene	28	33	32	31	30	28 U	**75**	**59**	**42**	17	**33.1**	19.6	18	**38**	**58.7**	**57.5**	**30.4**	**32**
Benzo(a)pyrene	0.2	NE	NE	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 3
Summary of Historical Detections in Groundwater

3rd Year, 1st Semi-Annual Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Contaminant	FDEP GCTL [1] (µg/L)	Action Level Objectives					CEF-CS1A (source)[2]					CEF-CS2		CEF-CS3 (perimeter)				
		End of Year 1 (2006)	End of Year 2 (2007)	End of Year 3 (2008)	End of Year 4 (2009)	End of Year 5 (2010)	Mar 06	Sep 06	Feb 07	Aug 07	Feb 08	Oct 99	5-Jan	Aug 98	Nov 98	Feb 99	Oct 99	Mar 00
VOCs (µg/L)																		
Benzene	1	3	2	1	1 U	1 U	0.745 J	**1.4**	**2.0**	0.8 J	**1.6**	ND	ND	ND	ND	ND	NS	ND
Ethylbenzene	30	NE	NE	NE	NE	NE	0.8	19.4	NS	26	30	ND	ND	ND	ND	ND	NS	ND
Toluene	40	NE	NE	NE	NE	NE	23	0	NS	0.20 U	0.76 J	ND	ND	ND	ND	ND	NS	ND
Total Xylenes	20	NE	NE	NE	NE	NE	10.5	8.6	NS	2	7.5	ND	ND	ND	ND	ND	NS	ND
1,3,5-Trimethylbenzene	10	15	14	13	12	10 U	1 U	1.9	3.7	0.44 J	5.7	NS	ND	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	10	50	40	30	20	10 U	**74.65 J**	**115**	**49.2**	**14**	**29**	NS	ND	NS	NS	NS	NS	NS
Isopropyl benzene	0.8	NE	NE	NE	NE	NE	NS	NS	NS	**24**	**16**	NS	NS	NS	NS	NS	NS	NS
PAHs[3] (µg/L)																		
Naphthalene	14	30	25	20	15	14 U	9.05	13.5	**20.1**	**40 J**	**33**	ND	ND	ND	ND	ND	NS	ND
1-Methylnaphthalene	28	33	32	31	30	28 U	19.95	22.5	**32.8**	**81 J**	**50**	ND	ND	ND	ND	ND	NS	ND
2-Methylnaphthalene	28	33	32	31	30	28 U	19	23.4	**32.2**	**90 J**	**54**	ND	ND	ND	ND	ND	NS	ND
Benzo(a)pyrene	0.2	NE	NE	NE	NE	NE	NS	NS	0.096 U	0.01 U	0.014 U	NS	NS	NS	NS	NS	NS	NS

Table 3
Summary of Historical Detections in Groundwater

3rd Year, 1st Semi-Annual Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Contaminant	FDEP GCTL (1) (µg/L)	Action Level Objectives					CEF-CS3 (perimeter)										CEF-CS4	CEF-CS5
		End of Year 1 (2006)	End of Year 2 (2007)	End of Year 3 (2008)	End of Year 4 (2009)	End of Year 5 (2010)	Aug 00	Mar 01	Oct 02	Apr 03	Apr 03	Mar 06	Sep 06	Feb 07	Aug 07	Feb 08	Jan 05	Jan 05
VOCs (µg/L)																		
Benzene	1	3	2	1	1 U	1 U	ND	ND	ND	ND	ND	0.5 U	0.2 U	0.5 U	0.2 U	0.20 U	ND	ND
Ethylbenzene	30	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	0.5 U	0.3 U	NS	0.3 U	0.20 U	ND	ND
Toluene	40	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	0.5 U	0.2 U	NS	0.2 U	0.14 U	ND	ND
Total Xylenes	20	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	0.5 U	0.3 U	NS	0.3 U	0.72 U	ND	ND
1,3,5-Trimethylbenzene	210	15	14	13	12	10 U	NS	NS	NS	NS	NS	1 U	0.2 U	1 U	0.2 U	0.42 U	ND	ND
1,2,4-Trimethylbenzene	10	50	40	30	20	10 U	NS	NS	NS	NS	NS	1 U	0.6	1 U	0.2 U	0.40 U	ND	ND
Isopropyl benzne	0.8	NE	NE	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	0.1 U	0.36 U	NS	NS
PAHs[3] (µg/L)																		
Naphthalene	14	30	25	20	15	14 U	ND	ND	ND	ND	ND	0.97 U	0.02 U	0.95 U	0.05 U	0.070 J	ND	ND
1-Methylnaphthalene	28	33	32	31	30	28 U	ND	ND	ND	ND	ND	0.49 U	0.02 U	0.48 U	0.03 U	0.037 U	ND	ND
2-Methylnaphthalene	28	33	32	31	30	28 U	ND	ND	ND	ND	ND	0.49 U	0.02 U	0.48 U	0.03 U	0.038 U	ND	ND
Benzo(a)pyrene	0.2	NE	NE	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	0.1 U	0.01 U	NS	NS	NS

Table 3
Summary of Historical Detections in Groundwater

3rd Year, 1st Semi-Annual Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Contaminant	FDEP GCTL (1) (µg/L)	Action Level Objectives					CEF-CS6	CEF-CS7 (perimeter)[2]										CEF-CS8
		End of Year 1 (2006)	End of Year 2 (2007)	End of Year 3 (2008)	End of Year 4 (2009)	End of Year 5 (2010)	Jan 05	Aug 98	Nov 98	Feb 99	Oct 99	Mar 00	Sep 00	Mar 01	Oct 02	Apr 03	Jan 05	Jan 05
VOCs (µg/L)																		
Benzene	1	3	2	1	1 U	1 U	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
Ethylbenzene	30	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
Toluene	40	NE	NE	NE	NE	NE	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
Total Xylenes	20	NE	NE	NE	NE	NE	ND	1.2	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
1,3,5-Trimethylbenzene	210	15	14	13	12	10 U	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
1,2,4-Trimethylbenzene	10	50	40	30	20	10 U	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND
Isopropyl benzne	0.8	NE	NE	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs[3] (µg/L)																		
Naphthalene	14	30	25	20	15	14 U	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
1-Methylnaphthalene	28	33	32	31	30	28 U	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
2-Methylnaphthalene	28	33	32	31	30	28 U	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
Benzo(a)pyrene	0.2	NE	NE	NE	NE	NE	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 3
Summary of Historical Detections in Groundwater

3rd Year, 1st Semi-Annual Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

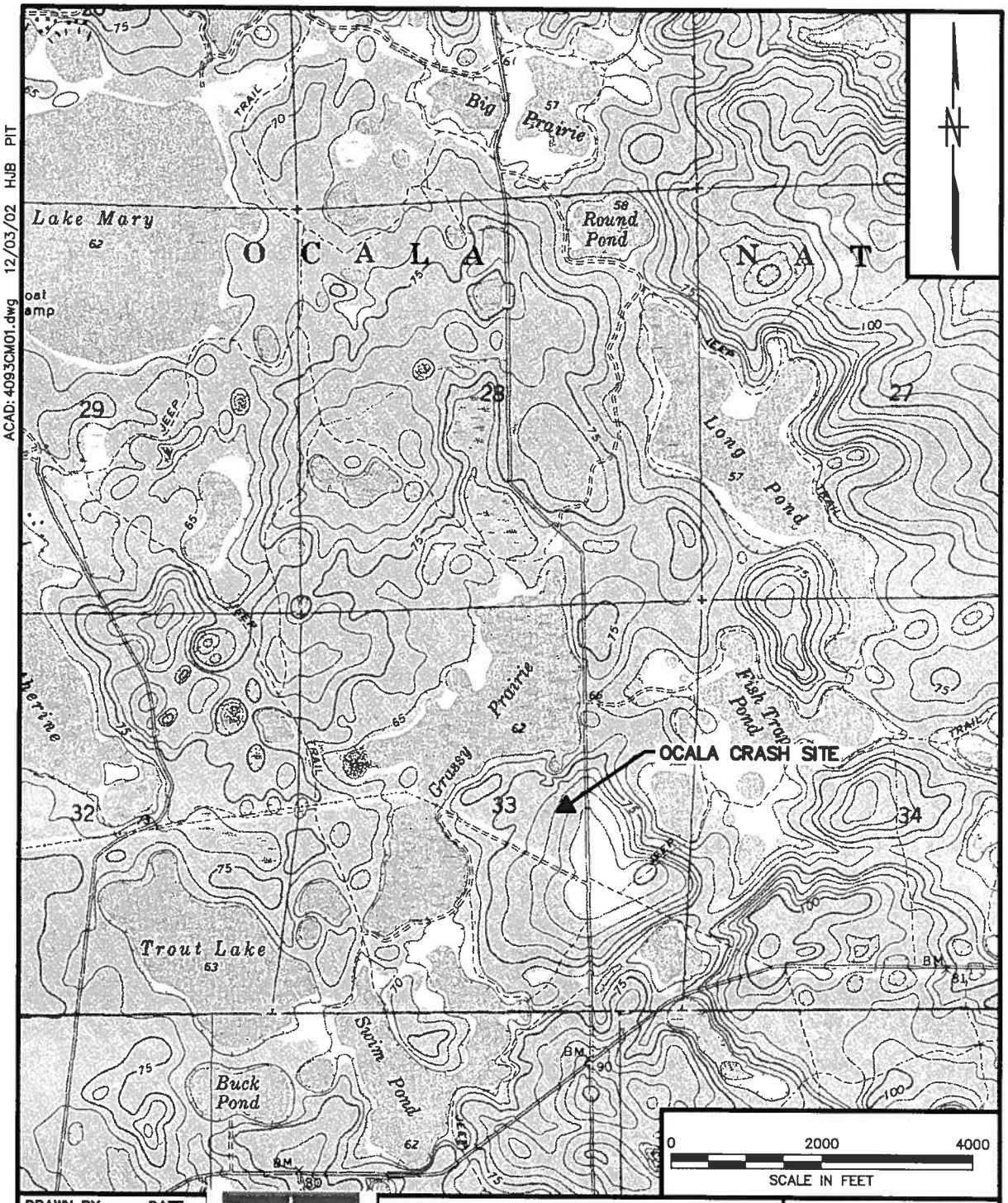
Contaminant	FDEP GCTL (1) (µg/L)	Action Level Objectives					CEF-CS8					CEF-CS9	CEF-CS10				
		End of Year 1 (2006)	End of Year 2 (2007)	End of Year 3 (2008)	End of Year 4 (2009)	End of Year 5 (2010)	Mar 06	Sep 06	Feb 07	Aug 07	Feb 08	Jan 05	Jan 05	Mar 06	Sep 06	Feb 07	Feb 08
VOCs (µg/L)																	
Benzene	1	3	2	1	1 U	1 U	0.5 U	0.2 U	0.5 U	0.2 U	0.20 U	ND	ND	0.5 U	0.2 U	0.5 U	0.20 U
Ethylbenzene	30	NE	NE	NE	NE	NE	0.5 U	0.3 U	NS	0.3 U	0.20 U	ND	ND	0.5 U	0.3 U	NS	0.20 U
Toluene	40	NE	NE	NE	NE	NE	0.5 U	0.2 U	NS	0.2 U	0.14 U	ND	ND	0.5 U	0.2 U	NS	0.14 U
Total Xylenes	20	NE	NE	NE	NE	NE	0.5 U	0.3 U	NS	0.3 U	0.72 U	ND	ND	0.5 U	0.3 U	NS	0.72 U
1,3,5-Trimethylbenzene	210	15	14	13	12	10 U	0.5 U	0.2 U	1 U	0.2 U	0.42 U	ND	ND	0.5 U	0.2 U	1 U	0.42 U
1,2,4-Trimethylbenzene	10	50	40	30	20	10 U	0.5 U	0.6	1 U	0.2 U	0.40 U	ND	ND	0.5 U	0.6	1 U	0.40 U
Isopropyl benzne	0.8	NE	NE	NE	NE	NE	NS	NS	NS	0.1 U	0.36 U	NS	NS	NS	NS	NS	0.36 U
PAHs(3) (µg/L)																	
Naphthalene	14	30	25	20	15	14 U	1 U	0.02 U	0.97 U	0.05 U	0.061 J	ND	ND	0.5 U	0.06	0.95 U	0.063 J
1-Methylnaphthalene	28	33	32	31	30	28 U	0.52 U	0.02 U	0.49 U	0.02 U	0.039 U	ND	ND	0.5 U	0.35	0.48 U	0.037 U
2-Methylnaphthalene	28	33	32	31	30	28 U	0.52 U	0.02 U	0.49 U	0.02 U	0.040 U	ND	ND	0.5 U	0.28	0.48 U	0.038 U
Benzo(a)pyrene	0.2	NE	NE	NE	NE	NE	NS	NS	0.1 U	0.01 U	NA	NS	NS	NS	NS	0.1 U	NA

1. GCTLs as defined in Chapter 62-777, F.A.C.
2. Data from May 1998 sampling has been deleted for format reasons. It can be found in previous monitoring reports.
3. May 1998 to February 1999, USEPA Method 625; October 1999 to March 2000; USEPA Method 8310; September 2000, USEPA Method 8270C.

Bold indicates GCTL exceedance.
ND = Not detected
NA = Not applicable
NS = Not sampled

I = Value between laboratory method detection limit and laboratory practival quantitation limit
NE = No value established in current approval order (October 2005)
J = Estimated value
U = Not detected at detection limit shown

FIGURES

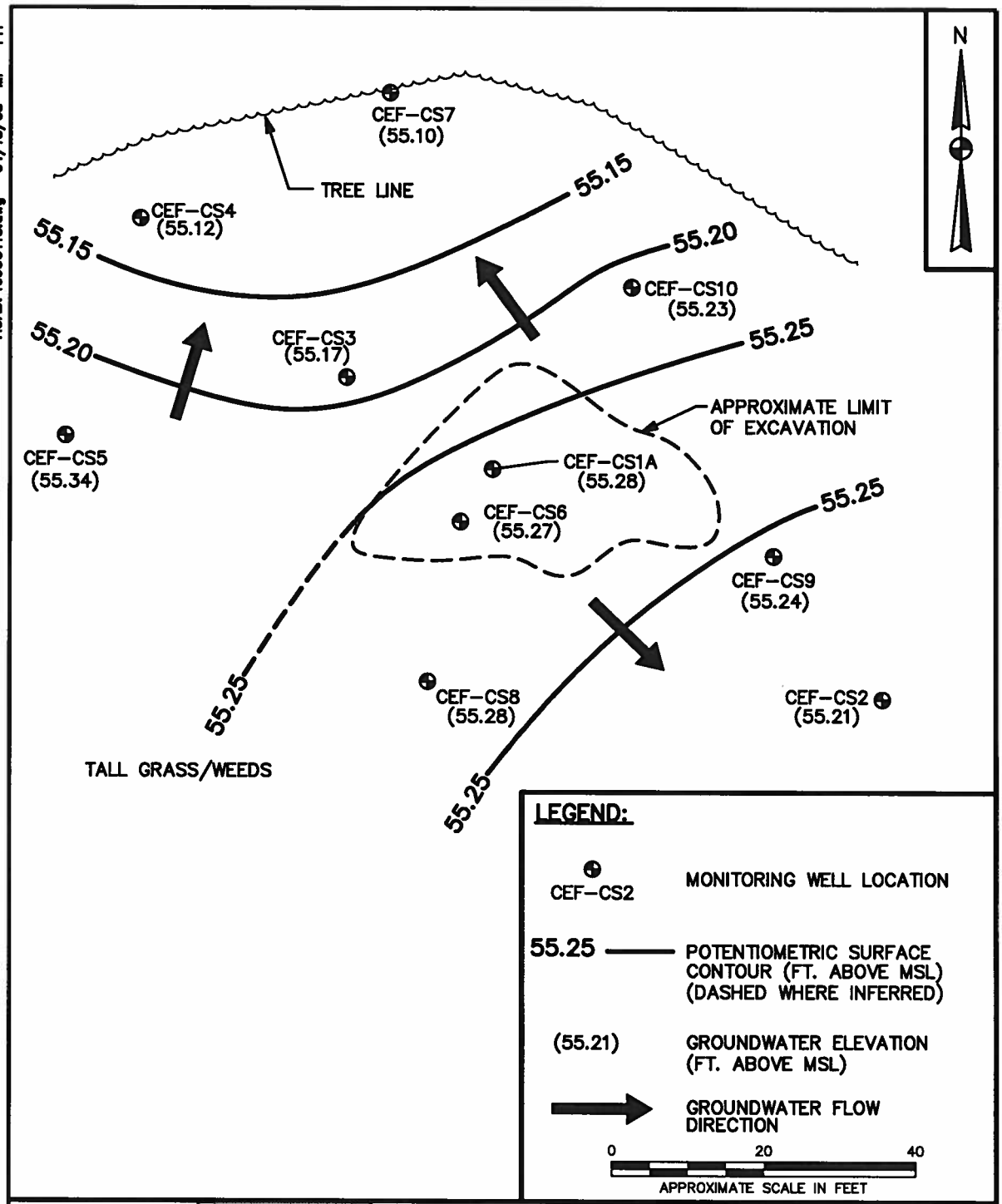


ACAD: 4093CM01.dwg 12/03/02 HJB PIT

DRAWN BY HJB	DATE 12/2/02	SITE LOCATION MAP OCALA F-18 CRASH SITE OCALA NATIONAL FOREST NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NO. 4093
CHECKED BY	DATE		APPROVED BY / DATE
COST/SCHED-AREA			APPROVED BY / DATE
SCALE AS NOTED		NAVFAC	DRAWING NO. FIGURE 1 / REV. 0

FORM CADD NO. SDIV_AV.DWG - REV 0 - 1/20/98

ACAD: 4093GT15.dwg 04/18/08 MF PIT



LEGEND:

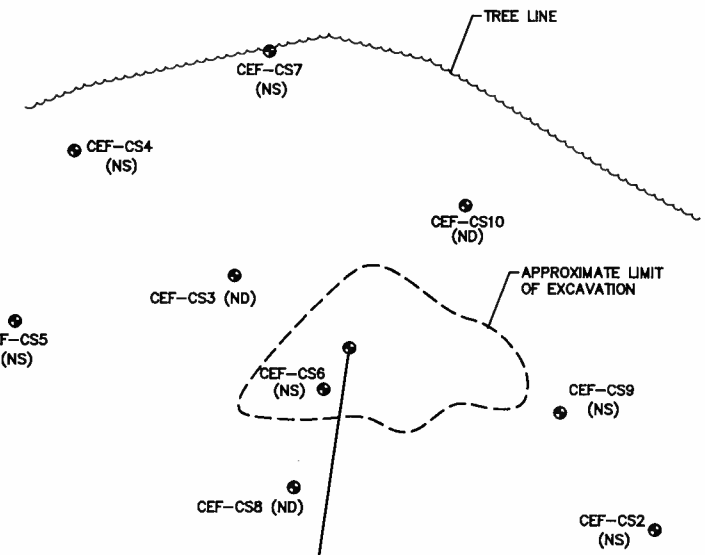
CEF-CS2	MONITORING WELL LOCATION
55.25	POTENTIOMETRIC SURFACE CONTOUR (FT. ABOVE MSL) (DASHED WHERE INFERRED)
(55.21)	GROUNDWATER ELEVATION (FT. ABOVE MSL)
	GROUNDWATER FLOW DIRECTION

0 20 40

APPROXIMATE SCALE IN FEET

DRAWN BY MF	DATE 4/18/-8	POTENTIOMETRIC SURFACE MAP FEBRUARY 25, 2008 OCALA F-18 CRASH SITE OCALA NATIONAL FOREST NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NO. 4093
CHECKED BY	DATE		OWNER NO.
REVISED BY	DATE		APPROVED BY / DATE
SCALE AS NOTED		NAVFAC	DRAWING NO. FIGURE 2 / REV. 0

FORM CADD NO. SDIV-AV.DWG - REV 1 - 9/10/98



CEF-CS1A		GCTL	CEF-CS1A (DUP)	
BENZENE	**1.6**	1	BENZENE	**1.4**
ETHYLBENZENE	30	**30**	ETHYLBENZENE	29
1,2,4-TRIMETHYLBENZENE	**29**	10	1,2,4-TRIMETHYLBENZENE	**19**
NAPHTHALENE	**33**	14	NAPHTHALENE	**30**
1-METHYLNAPHTHALENE	**50**	28	1-METHYLNAPHTHALENE	**47**
2-METHYLNAPHTHALENE	**54**	28	2-METHYLNAPHTHALENE	**51**
ISOPROPYLBENZENE	**16**	0.8	ISOPROPYLBENZENE	**15**

LEGEND:

⊕ CEF-CS2	MONITORING WELL AND DESIGNATION
~mg/L	MICROGRAMS PER LITER
(ND)	NOT DETECTED
GCTL	GROUNDWATER CLEANUP TARGET LEVEL
NS	NOT SAMPLED

NOTE:

1. CONCENTRATIONS SHOWN ARE IN ~mg/L.
2. EXCEEDANCES ARE BOLDED.

0 20 40
GRAPHIC SCALE IN FEET

N

DRAWN BY MF	DATE 4/18/08	GROUNDWATER ANALYTICAL RESULTS FEBRUARY 25, 2008 OCALA F-18 CRASH SITE OCALA NATIONAL FOREST NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA	CONTRACT NO. 4093
CHECKED BY	DATE		OWNER NO.
REVISED BY	DATE		APPROVED BY / DATE
SCALE AS NOTED			DRAWING NO. FIGURE 3 / REV. 0

NAVFAC

ACAD:4093GT16.DWG 04/18/08 MF PIT

FORM CADD NO. SDIV-IHLDWG - REV 1 - 9/10/90

ATTACHMENT A

NATURAL ATTENUATION MONITORING PLAN APPROVAL ORDER

115-152

Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

October 21, 2005

Commanding Officer
Attn: Mr. Gabe Magwood
Code ES24 (UST RPM)
Southern Division
Naval Facilities Engineering Command
P.O. Box 190010
North Charleston, South Carolina 29419-9010

RE: Supplemental Site Assessment Letter Report, Ocala F-18 Crash Site, Naval Air Station Cecil Field, Florida

Dear Mr. Magwood:

I have completed the review of the Supplemental Site Assessment Letter Report, Ocala F-18 Crash Site, Naval Air Station Cecil Field, dated August 3, 2005 (received August 5, 2005), prepared and submitted by Tetra Tech NUS, Inc. While the site is associated with Naval Air Station Cecil Field, the physical location of the site is within the Ocala National Forest. Based upon my review, the enclosed Natural Attenuation Monitoring Plan Approval Order (NAMPAO) was signed by Mr. Doug Jones, Chief, Bureau of Waste Cleanup.

If I can be of any further assistance with this matter, please contact me at (850) 245-8997.

Sincerely,

David P. Grabka, P.G.
Remedial Project Manager

14 October 2005
Date

DAVID P. GRABKA
LICENSE
NO. 2192
STATE OF FLORIDA
PROFESSIONAL GEOLOGIST

cc: Mark Davidson, SouthDiv, Charleston
Mike Fitzsimmons, FDEP, Northeast District
Doyle Brittain, USEPA Region 4

JJC ESN for

Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

October 21, 2005

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Commanding Officer
Attn: Mr. Gabe Magwood
Code ES24 (UST RPM)
Southern Division
Naval Facilities Engineering Command
P.O. Box 190010
North Charleston, South Carolina 29419-9010

Subject: Natural Attenuation Monitorina Plan Approval Order
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Ocala National Forest
Marion County

Dear Mr. Magwood:

The Bureau of Waste Cleanup has reviewed the Supplemental Site Assessment Letter Report and Natural Attenuation Monitoring Plan dated August 3, 2005 (received August 5, 2005), prepared and submitted by Tetra Tech NUS, Inc. for the petroleum product discharge discovered at this site. Pursuant to paragraph 62-770.690(5)(a), Florida Administrative Code (F.A.C.), the Florida Department of Environmental Protection (Department) approves the Natural Attenuation Monitoring Plan. Pursuant to rule 62-770.690(8), F.A.C., you are required to complete the monitoring program outlined'below. The first sampling event must be performed within 60 days of receipt of this Natural Attenuation Monitoring Plan Approval Order (Order). Water-level measurements must be made immediately prior to each sampling event. The analytical results (laboratory report), chain of custody record form, cumulative summary tables as required by subparagraph 62-770.600(8)(a)25., F.A.C. (updated as applicable), site map(s) that illustrate 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-CS1A; CEF-CS3; and CEF-CS-10	VOCs, PAHs	Semi-Annually	One year
CEF-CS8	PAHs		

The approved Remedial Action by Natural Attenuation monitoring period is five years. The sampling frequency will be evaluated following the submittal of the first annual report to determine whether semiannual or annual sampling may be appropriate.

The following are the expected annual reductions of concentrations of petroleum products' contaminants concern in monitoring wells that will be used for annual evaluation of remediation progress by natural attenuation. If the annual rate of expected cleanup progress is not achieved, then the monitoring report must include a proposal pursuant to paragraph 62-770.690(8)(f), F.A.C.:

	CEF-CS1A		CEF-CS1A
Benzene		Naphthalene	
End of year 1	3 µg/L	End of year 1	30 µg/L
End of year 2	2 µg/L	End of year 2	25 µg/L
End of year 3	1 µg/L	End of year 3	20 µg/L
End of year 4	<1 µg/L	End of year 4	15 µg/L
End of year 5	<1 µg/L	End of year 5	<14 µg/L
1,3,5-Trimethylbenzene		1-Methyl naphthalene	
End of year 1	15 µg/L	End of year 1	33 µg/L
End of year 2	14 µg/L	End of year 2	32 µg/L
End of year 3	13 µg/L	End of year 3	31 µg/L
End of year 4	12 µg/L	End of year 4	30 µg/L
End of year 5	<10 µg/L	End of year 5	<28 µg/L
1,2,4-Trimethylbenzene		2-Methyl naphthalene	
End of year 1	50 µg/L	End of year 1	33 µg/L
End of year 2	40 µg/L	End of year 2	32 µg/L
End of year 3	30 µg/L	End of year 3	31 µg/L
End of year 4	20 µg/L	End of year 4	30 µg/L
End of year 5	<10 µg/L	End of year 5	<28 µg/L

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 the monitoring report referenced in paragraph 62-770.690(8)(d), F.A.C., must be signed and sealed by an appropriate registered professional pursuant to rule 62-770.490, F.A.C., and must include a proposal as described in paragraph 62-770.690(8)(e), F.A.C.

Contaminated wells:

CEF-CS1A: 100 µg/L Benzene; 100 µg/L 1,3,5-Trimethylbenzene; 100 µg/L 1,3,5-Trimethylbenzene ; 140 µg/L Naphthalene; 280 µg/L 1-Methylnaphthalene; 280 µg/L 2-Methylnaphthalene.

CEF-CS8: 5 µg/L Benzo(a)anthracene; 5 µg/L Benzo(b)fluoranthene.

Perimeter well[s] (temporary point[s] of compliance):

CEF-CS3 abd CEF-CS10: 1 µg/L Benzene; 10 pgIL 1,3,5-Trimethylbenzene; 10 µg/L 1,3,5-Trimethylbenzene ; 14 pgIL Naphthalene; 28 µg/L 1-Methylnaphthalene; 28 µg/L 2-Methylnaphthalene.

If the applicable No Further Action criteria of rule 62-770.680, F.A.C., are met for two consecutive sampling events, a Site Rehabilitation Completion Report with a No Further Action Proposal, that summarizes the monitoring program and contains documentation to support the opinion that the cleanup objectives have been achieved, must be submitted as required in subsection 62-770.690(10), F.A.C. If the applicable No Further Action criteria of rule 62-770.680, F.A.C., are not met following five years of monitoring, then the monitoring report must include a proposal as described in subsection 62-770.690(8)(f), F.A.C.

Legal Issues

The Department's Order shall become final unless a timely petition for an administrative 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 an administrative hearing are set forth below.

Persons affected by this Order have the following options:

(A) If you choose to accept the Department's decision regarding the Supplemental Site Assessment Letter Report and Natural Attenuation 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.

(B) If you choose to challenge the decision, you may do the following:

(1) File a request for an extension of time to file a petition for an administrative hearing with the Department's Agency Clerk in the 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 an administrative hearing; or

(2) File a petition for an administrative hearing with the Department's Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order.

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 an Administrative Hearing

For good cause shown, pursuant to subsection 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for an administrative hearing. Such a request must be filed (received) by the Department's Agency Clerk in the 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 an administrative hearing must be made.

How to File a Petition for an 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) by the Department's Agency Clerk in the 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 subsection 120.569(2), F.S. and rule 28-106.201, F.A.C., a petition for an 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 facility 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 when and how 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 disputed issues of material fact, 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 an 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 to the Department 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 Department's Agency Clerk in the Office of General Counsel at 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 Department's clerk (see below).

Questions

Any questions regarding the Department's review of your Supplemental Site Assessment Letter Report and Natural Attenuation Monitoring Plan should be directed

to David P. Grabka at (850) 245-8997. Questions regarding legal issues should be referred to the Department's Office of General Counsel at (850) 245-2242. 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: David P. Grabka, FDEP – BWC
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 A. Johnson — Clerk (or Deputy Clerk)

October 21, 2005 — Date

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Tetra Tech NUS, Inc.
Project: Ocala Crash Site/112GN4117
Sample Matrix: Water

Service Request: J0800906
Date Collected: 02/25/2008
Date Received: 02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name: CEF-CS8-20080225
Lab Code: J0800906-001

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	02/29/08	02/29/08	JWG0800765	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
1,1,2-Trichloroethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethane	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethene	ND	U	1.0	0.27	1	02/29/08	02/29/08	JWG0800765	
1,2,3-Trichloropropane	ND	U	1.0	0.47	1	02/29/08	02/29/08	JWG0800765	
1,2,4-Trichlorobenzene	ND	UJ	10	0.97	1	02/29/08	02/29/08	JWG0800765	J(3)
1,2,4-Trimethylbenzene	ND	U	1.0	0.40	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.79	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromoethane (EDB)	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloropropane	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,3,5-Trimethylbenzene	ND	U	1.0	0.42	1	02/29/08	02/29/08	JWG0800765	
1,3-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,4-Dichlorobenzene	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
2-Butanone (MEK)	ND	U	10	0.77	1	02/29/08	02/29/08	JWG0800765	
2-Chloroethyl Vinyl Ether†	ND	U	25	0.56	1	02/29/08	02/29/08	JWG0800765	
2-Hexanone	ND	U	25	0.54	1	02/29/08	02/29/08	JWG0800765	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.67	1	02/29/08	02/29/08	JWG0800765	
Acetone	ND	U	50	1.7	1	02/29/08	02/29/08	JWG0800765	
Benzene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Bromochloromethane	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Bromodichloromethane	ND	U	1.0	0.15	1	02/29/08	02/29/08	JWG0800765	
Bromoform	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Bromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Carbon Disulfide	ND	U	10	1.0	1	02/29/08	02/29/08	JWG0800765	
Carbon Tetrachloride	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Chlorobenzene	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Chloroethane	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Chloroform	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
Chloromethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	CEF-CS8-20080225	**Units:**	ug/L
Lab Code:	J0800906-001	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
cis-1,2-Dichloroethene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
Dibromochloromethane	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Dibromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Dichlorodifluoromethane	ND	U	5.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Ethylbenzene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Iodomethane (Methyl Iodide)	ND	U	5.0	0.75	1	02/29/08	02/29/08	JWG0800765	
Isopropylbenzene	ND	U	1.0	0.36	1	02/29/08	02/29/08	JWG0800765	
m,p-Xylenes	ND	U	2.0	0.47	1	02/29/08	02/29/08	JWG0800765	
Methyl tert-Butyl Ether	ND	U	2.0	0.16	1	02/29/08	02/29/08	JWG0800765	
Methylene Chloride	ND	U	5.0	0.51	1	02/29/08	02/29/08	JWG0800765	
o-Xylene	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Styrene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
Tetrachloroethene (PCE)	ND	U	1.0	0.44	1	02/29/08	02/29/08	JWG0800765	
Toluene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,2-Dichloroethene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
trans-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,4-Dichloro-2-butene	ND	U	20	0.60	1	02/29/08	02/29/08	JWG0800765	
Trichloroethene (TCE)	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
Trichlorofluoromethane	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Vinyl Acetate	ND	U	10	0.73	1	02/29/08	02/29/08	JWG0800765	
Vinyl Chloride	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	100	71-122	02/29/08	Acceptable
4-Bromofluorobenzene	100	75-120	02/29/08	Acceptable
Dibromofluoromethane	98	82-116	02/29/08	Acceptable
Toluene-d8	106	88-117	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	CEF-CS8-20080225	**Units:**	ug/L
Lab Code:	J0800906-001	**Basis:**	NA

† **Analyte Comments**

2-Chloroethyl Vinyl Ether	This analyte is susceptible to acid hydrolysis and is not expected to be present in samples preserved to a low pH.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Tetra Tech NUS, Inc.
Project: Ocala Crash Site/112GN4117
Sample Matrix: Water

Service Request: J0800906
Date Collected: 02/25/2008
Date Received: 02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name: CEF-CS3-20080225
Lab Code: J0800906-002

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	02/29/08	02/29/08	JWG0800765	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
1,1,2-Trichloroethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethane	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethene	ND	U	1.0	0.27	1	02/29/08	02/29/08	JWG0800765	
1,2,3-Trichloropropane	ND	U	1.0	0.47	1	02/29/08	02/29/08	JWG0800765	
1,2,4-Trichlorobenzene	ND	UJ	10	0.97	1	02/29/08	02/29/08	JWG0800765	J(3)
1,2,4-Trimethylbenzene	ND	U	1.0	0.40	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.79	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromoethane (EDB)	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloropropane	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,3,5-Trimethylbenzene	ND	U	1.0	0.42	1	02/29/08	02/29/08	JWG0800765	
1,3-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,4-Dichlorobenzene	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
2-Butanone (MEK)	ND	U	10	0.77	1	02/29/08	02/29/08	JWG0800765	
2-Chloroethyl Vinyl Ether†	ND	U	25	0.56	1	02/29/08	02/29/08	JWG0800765	
2-Hexanone	ND	U	25	0.54	1	02/29/08	02/29/08	JWG0800765	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.67	1	02/29/08	02/29/08	JWG0800765	
Acetone	ND	U	50	1.7	1	02/29/08	02/29/08	JWG0800765	
Benzene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Bromochloromethane	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Bromodichloromethane	ND	U	1.0	0.15	1	02/29/08	02/29/08	JWG0800765	
Bromoform	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Bromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Carbon Disulfide	ND	U	10	1.0	1	02/29/08	02/29/08	JWG0800765	
Carbon Tetrachloride	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Chlorobenzene	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Chloroethane	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Chloroform	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
Chloromethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	CEF-CS3-20080225	**Units:**	ug/L
Lab Code:	J0800906-002	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
cis-1,2-Dichloroethene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
Dibromochloromethane	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Dibromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Dichlorodifluoromethane	ND	U	5.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Ethylbenzene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Iodomethane (Methyl Iodide)	ND	U	5.0	0.75	1	02/29/08	02/29/08	JWG0800765	
Isopropylbenzene	ND	U	1.0	0.36	1	02/29/08	02/29/08	JWG0800765	
m,p-Xylenes	ND	U	2.0	0.47	1	02/29/08	02/29/08	JWG0800765	
Methyl tert-Butyl Ether	ND	U	2.0	0.16	1	02/29/08	02/29/08	JWG0800765	
Methylene Chloride	ND	U	5.0	0.51	1	02/29/08	02/29/08	JWG0800765	
o-Xylene	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Styrene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
Tetrachloroethene (PCE)	ND	U	1.0	0.44	1	02/29/08	02/29/08	JWG0800765	
Toluene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,2-Dichloroethene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
trans-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,4-Dichloro-2-butene	ND	U	20	0.60	1	02/29/08	02/29/08	JWG0800765	
Trichloroethene (TCE)	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
Trichlorofluoromethane	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Vinyl Acetate	ND	U	10	0.73	1	02/29/08	02/29/08	JWG0800765	
Vinyl Chloride	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	99	71-122	02/29/08	Acceptable
4-Bromofluorobenzene	100	75-120	02/29/08	Acceptable
Dibromofluoromethane	97	82-116	02/29/08	Acceptable
Toluene-d8	107	88-117	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	CEF-CS3-20080225	**Units:**	ug/L
Lab Code:	J0800906-002	**Basis:**	NA

† **Analyte Comments**

2-Chloroethyl Vinyl Ether	This analyte is susceptible to acid hydrolysis and is not expected to be present in samples preserved to a low pH.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Tetra Tech NUS, Inc.
Project: Ocala Crash Site/112GN4117
Sample Matrix: Water

Service Request: J0800906
Date Collected: 02/25/2008
Date Received: 02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name: CEF-SC10-20080225
Lab Code: J0800906-003

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	02/29/08	02/29/08	JWG0800765	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
1,1,2-Trichloroethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethane	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethene	ND	U	1.0	0.27	1	02/29/08	02/29/08	JWG0800765	
1,2,3-Trichloropropane	ND	U	1.0	0.47	1	02/29/08	02/29/08	JWG0800765	
1,2,4-Trichlorobenzene	ND	UJ	10	0.97	1	02/29/08	02/29/08	JWG0800765	J(3)
1,2,4-Trimethylbenzene	ND	U	1.0	0.40	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.79	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromoethane (EDB)	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloropropane	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,3,5-Trimethylbenzene	ND	U	1.0	0.42	1	02/29/08	02/29/08	JWG0800765	
1,3-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,4-Dichlorobenzene	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
2-Butanone (MEK)	ND	U	10	0.77	1	02/29/08	02/29/08	JWG0800765	
2-Chloroethyl Vinyl Ether†	ND	U	25	0.56	1	02/29/08	02/29/08	JWG0800765	
2-Hexanone	ND	U	25	0.54	1	02/29/08	02/29/08	JWG0800765	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.67	1	02/29/08	02/29/08	JWG0800765	
Acetone	ND	U	50	1.7	1	02/29/08	02/29/08	JWG0800765	
Benzene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Bromochloromethane	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Bromodichloromethane	ND	U	1.0	0.15	1	02/29/08	02/29/08	JWG0800765	
Bromoform	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Bromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Carbon Disulfide	ND	U	10	1.0	1	02/29/08	02/29/08	JWG0800765	
Carbon Tetrachloride	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Chlorobenzene	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Chloroethane	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Chloroform	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
Chloromethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	CEF-SC10-20080225	**Units:**	ug/L
Lab Code:	J0800906-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
cis-1,2-Dichloroethene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
Dibromochloromethane	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Dibromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Dichlorodifluoromethane	ND	U	5.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Ethylbenzene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Iodomethane (Methyl Iodide)	ND	U	5.0	0.75	1	02/29/08	02/29/08	JWG0800765	
Isopropylbenzene	ND	U	1.0	0.36	1	02/29/08	02/29/08	JWG0800765	
m,p-Xylenes	ND	U	2.0	0.47	1	02/29/08	02/29/08	JWG0800765	
Methyl tert-Butyl Ether	ND	U	2.0	0.16	1	02/29/08	02/29/08	JWG0800765	
Methylene Chloride	ND	U	5.0	0.51	1	02/29/08	02/29/08	JWG0800765	
o-Xylene	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Styrene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
Tetrachloroethene (PCE)	ND	U	1.0	0.44	1	02/29/08	02/29/08	JWG0800765	
Toluene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,2-Dichloroethene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
trans-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,4-Dichloro-2-butene	ND	U	20	0.60	1	02/29/08	02/29/08	JWG0800765	
Trichloroethene (TCE)	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
Trichlorofluoromethane	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Vinyl Acetate	ND	U	10	0.73	1	02/29/08	02/29/08	JWG0800765	
Vinyl Chloride	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	100	71-122	02/29/08	Acceptable
4-Bromofluorobenzene	98	75-120	02/29/08	Acceptable
Dibromofluoromethane	98	82-116	02/29/08	Acceptable
Toluene-d8	107	88-117	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	CEF-SC10-20080225	**Units:**	ug/L
Lab Code:	J0800906-003	**Basis:**	NA

† **Analyte Comments**

2-Chloroethyl Vinyl Ether	This analyte is susceptible to acid hydrolysis and is not expected to be present in samples preserved to a low pH.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Tetra Tech NUS, Inc.
Project: Ocala Crash Site/112GN4117
Sample Matrix: Water

Service Request: J0800906
Date Collected: 02/25/2008
Date Received: 02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name: CEF-CS1A-20080225
Lab Code: J0800906-004

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	02/29/08	02/29/08	JWG0800765	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
1,1,2-Trichloroethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethane	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethene	ND	U	1.0	0.27	1	02/29/08	02/29/08	JWG0800765	
1,2,3-Trichloropropane	ND	U	1.0	0.47	1	02/29/08	02/29/08	JWG0800765	
1,2,4-Trichlorobenzene	ND	UJ	10	0.97	1	02/29/08	02/29/08	JWG0800765	J(3)
1,2,4-Trimethylbenzene	**29**		1.0	0.40	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.79	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromoethane (EDB)	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloropropane	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,3,5-Trimethylbenzene	**5.7**		1.0	0.42	1	02/29/08	02/29/08	JWG0800765	
1,3-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,4-Dichlorobenzene	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
2-Butanone (MEK)	ND	U	10	0.77	1	02/29/08	02/29/08	JWG0800765	
2-Chloroethyl Vinyl Ether†	ND	U	25	0.56	1	02/29/08	02/29/08	JWG0800765	
2-Hexanone	ND	U	25	0.54	1	02/29/08	02/29/08	JWG0800765	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.67	1	02/29/08	02/29/08	JWG0800765	
Acetone	**8.3**	I	50	1.7	1	02/29/08	02/29/08	JWG0800765	
Benzene	**1.6**		1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Bromochloromethane	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Bromodichloromethane	ND	U	1.0	0.15	1	02/29/08	02/29/08	JWG0800765	
Bromoform	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Bromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Carbon Disulfide	ND	U	10	1.0	1	02/29/08	02/29/08	JWG0800765	
Carbon Tetrachloride	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Chlorobenzene	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Chloroethane	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Chloroform	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
Chloromethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Tetra Tech NUS, Inc.
Project: Ocala Crash Site/112GN4117
Sample Matrix: Water

Service Request: J0800906
Date Collected: 02/25/2008
Date Received: 02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name: CEF-CS1A-20080225
Lab Code: J0800906-004

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
cis-1,2-Dichloroethene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
Dibromochloromethane	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Dibromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Dichlorodifluoromethane	ND	U	5.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Ethylbenzene	**30**		1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Iodomethane (Methyl Iodide)	ND	U	5.0	0.75	1	02/29/08	02/29/08	JWG0800765	
Isopropylbenzene	**16**		1.0	0.36	1	02/29/08	02/29/08	JWG0800765	
m,p-Xylenes	**5.6**		2.0	0.47	1	02/29/08	02/29/08	JWG0800765	
Methyl tert-Butyl Ether	ND	U	2.0	0.16	1	02/29/08	02/29/08	JWG0800765	
Methylene Chloride	ND	U	5.0	0.51	1	02/29/08	02/29/08	JWG0800765	
o-Xylene	**1.9**		1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Styrene	**0.38**	I	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
Tetrachloroethene (PCE)	ND	U	1.0	0.44	1	02/29/08	02/29/08	JWG0800765	
Toluene	**0.76**	I	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,2-Dichloroethene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
trans-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,4-Dichloro-2-butene	ND	U	20	0.60	1	02/29/08	02/29/08	JWG0800765	
Trichloroethene (TCE)	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
Trichlorofluoromethane	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Vinyl Acetate	ND	U	10	0.73	1	02/29/08	02/29/08	JWG0800765	
Vinyl Chloride	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	100	71-122	02/29/08	Acceptable
4-Bromofluorobenzene	96	75-120	02/29/08	Acceptable
Dibromofluoromethane	100	82-116	02/29/08	Acceptable
Toluene-d8	106	88-117	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	CEF-CS1A-20080225	**Units:**	ug/L
Lab Code:	J0800906-004	**Basis:**	NA

† Analyte Comments

2-Chloroethyl Vinyl Ether	This analyte is susceptible to acid hydrolysis and is not expected to be present in samples preserved to a low pH.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	CEF-CSDUP-01-20080225	**Units:**	ug/L
Lab Code:	J0800906-005	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	02/29/08	02/29/08	JWG0800765	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
1,1,2-Trichloroethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethane	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethene	ND	U	1.0	0.27	1	02/29/08	02/29/08	JWG0800765	
1,2,3-Trichloropropane	ND	U	1.0	0.47	1	02/29/08	02/29/08	JWG0800765	
1,2,4-Trichlorobenzene	ND	UJ	10	0.97	1	02/29/08	02/29/08	JWG0800765	J(3)
1,2,4-Trimethylbenzene	**19**		1.0	0.40	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.79	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromoethane (EDB)	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloropropane	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,3,5-Trimethylbenzene	**4.7**		1.0	0.42	1	02/29/08	02/29/08	JWG0800765	
1,3-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,4-Dichlorobenzene	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
2-Butanone (MEK)	ND	U	10	0.77	1	02/29/08	02/29/08	JWG0800765	
2-Chloroethyl Vinyl Ether†	ND	U	25	0.56	1	02/29/08	02/29/08	JWG0800765	
2-Hexanone	ND	U	25	0.54	1	02/29/08	02/29/08	JWG0800765	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.67	1	02/29/08	02/29/08	JWG0800765	
Acetone	ND	U	50	1.7	1	02/29/08	02/29/08	JWG0800765	
Benzene	**1.4**		1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Bromochloromethane	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Bromodichloromethane	ND	U	1.0	0.15	1	02/29/08	02/29/08	JWG0800765	
Bromoform	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Bromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Carbon Disulfide	ND	U	10	1.0	1	02/29/08	02/29/08	JWG0800765	
Carbon Tetrachloride	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Chlorobenzene	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Chloroethane	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Chloroform	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
Chloromethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	CEF-CSDUP-01-20080225	**Units:**	ug/L
Lab Code:	J0800906-005	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
cis-1,2-Dichloroethene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
Dibromochloromethane	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Dibromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Dichlorodifluoromethane	ND	U	5.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Ethylbenzene	**29**		1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Iodomethane (Methyl Iodide)	ND	U	5.0	0.75	1	02/29/08	02/29/08	JWG0800765	
Isopropylbenzene	**15**		1.0	0.36	1	02/29/08	02/29/08	JWG0800765	
m,p-Xylenes	**4.3**		2.0	0.47	1	02/29/08	02/29/08	JWG0800765	
Methyl tert-Butyl Ether	ND	U	2.0	0.16	1	02/29/08	02/29/08	JWG0800765	
Methylene Chloride	ND	U	5.0	0.51	1	02/29/08	02/29/08	JWG0800765	
o-Xylene	**1.8**		1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Styrene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
Tetrachloroethene (PCE)	ND	U	1.0	0.44	1	02/29/08	02/29/08	JWG0800765	
Toluene	**0.77**	I	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,2-Dichloroethene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
trans-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,4-Dichloro-2-butene	ND	U	20	0.60	1	02/29/08	02/29/08	JWG0800765	
Trichloroethene (TCE)	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
Trichlorofluoromethane	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Vinyl Acetate	ND	U	10	0.73	1	02/29/08	02/29/08	JWG0800765	
Vinyl Chloride	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	103	71-122	02/29/08	Acceptable
4-Bromofluorobenzene	96	75-120	02/29/08	Acceptable
Dibromofluoromethane	98	82-116	02/29/08	Acceptable
Toluene-d8	106	88-117	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	CEF-CSDUP-01-20080225	**Units:**	ug/L
Lab Code:	J0800906-005	**Basis:**	NA

† **Analyte Comments**

2-Chloroethyl Vinyl Ether	This analyte is susceptible to acid hydrolysis and is not expected to be present in samples preserved to a low pH.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Tetra Tech NUS, Inc.
Project: Ocala Crash Site/112GN4117
Sample Matrix: Water

Service Request: J0800906
Date Collected: 02/25/2008
Date Received: 02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name: Trip Blank
Lab Code: J0800906-006

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	02/29/08	02/29/08	JWG0800765	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
1,1,2-Trichloroethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethane	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethene	ND	U	1.0	0.27	1	02/29/08	02/29/08	JWG0800765	
1,2,3-Trichloropropane	ND	U	1.0	0.47	1	02/29/08	02/29/08	JWG0800765	
1,2,4-Trichlorobenzene	ND	UJ	10	0.97	1	02/29/08	02/29/08	JWG0800765	J(3)
1,2,4-Trimethylbenzene	ND	U	1.0	0.40	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.79	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromoethane (EDB)	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloropropane	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,3,5-Trimethylbenzene	ND	U	1.0	0.42	1	02/29/08	02/29/08	JWG0800765	
1,3-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,4-Dichlorobenzene	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
2-Butanone (MEK)	ND	U	10	0.77	1	02/29/08	02/29/08	JWG0800765	
2-Chloroethyl Vinyl Ether†	ND	U	25	0.56	1	02/29/08	02/29/08	JWG0800765	
2-Hexanone	ND	U	25	0.54	1	02/29/08	02/29/08	JWG0800765	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.67	1	02/29/08	02/29/08	JWG0800765	
Acetone	ND	U	50	1.7	1	02/29/08	02/29/08	JWG0800765	
Benzene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Bromochloromethane	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Bromodichloromethane	ND	U	1.0	0.15	1	02/29/08	02/29/08	JWG0800765	
Bromoform	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Bromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Carbon Disulfide	ND	U	10	1.0	1	02/29/08	02/29/08	JWG0800765	
Carbon Tetrachloride	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Chlorobenzene	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Chloroethane	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Chloroform	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
Chloromethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Tetra Tech NUS, Inc.
Project: Ocala Crash Site/112GN4117
Sample Matrix: Water

Service Request: J0800906
Date Collected: 02/25/2008
Date Received: 02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name: Trip Blank
Lab Code: J0800906-006

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
cis-1,2-Dichloroethene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
Dibromochloromethane	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Dibromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Dichlorodifluoromethane	ND	U	5.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Ethylbenzene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Iodomethane (Methyl Iodide)	ND	U	5.0	0.75	1	02/29/08	02/29/08	JWG0800765	
Isopropylbenzene	ND	U	1.0	0.36	1	02/29/08	02/29/08	JWG0800765	
m,p-Xylenes	ND	U	2.0	0.47	1	02/29/08	02/29/08	JWG0800765	
Methyl tert-Butyl Ether	ND	U	2.0	0.16	1	02/29/08	02/29/08	JWG0800765	
Methylene Chloride	ND	U	5.0	0.51	1	02/29/08	02/29/08	JWG0800765	
o-Xylene	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Styrene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
Tetrachloroethene (PCE)	ND	U	1.0	0.44	1	02/29/08	02/29/08	JWG0800765	
Toluene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,2-Dichloroethene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
trans-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,4-Dichloro-2-butene	ND	U	20	0.60	1	02/29/08	02/29/08	JWG0800765	
Trichloroethene (TCE)	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
Trichlorofluoromethane	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Vinyl Acetate	ND	U	10	0.73	1	02/29/08	02/29/08	JWG0800765	
Vinyl Chloride	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	95	71-122	02/29/08	Acceptable
4-Bromofluorobenzene	98	75-120	02/29/08	Acceptable
Dibromofluoromethane	94	82-116	02/29/08	Acceptable
Toluene-d8	106	88-117	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Volatile Organic Compounds by GC/MS

Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	J0800906-006	**Basis:**	NA

† **Analyte Comments**

2-Chloroethyl Vinyl Ether	This analyte is susceptible to acid hydrolysis and is not expected to be present in samples preserved to a low pH.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG0800765-4	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,1,1,2-Tetrachloroethane	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
1,1,1-Trichloroethane (TCA)	ND	U	1.0	0.17	1	02/29/08	02/29/08	JWG0800765	
1,1,2,2-Tetrachloroethane	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
1,1,2-Trichloroethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethane	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
1,1-Dichloroethene	ND	U	1.0	0.27	1	02/29/08	02/29/08	JWG0800765	
1,2,3-Trichloropropane	ND	U	1.0	0.47	1	02/29/08	02/29/08	JWG0800765	
1,2,4-Trichlorobenzene	ND	UJ	10	0.97	1	02/29/08	02/29/08	JWG0800765	J(3)
1,2,4-Trimethylbenzene	ND	U	1.0	0.40	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromo-3-chloropropane (DBCP	ND	U	2.0	0.79	1	02/29/08	02/29/08	JWG0800765	
1,2-Dibromoethane (EDB)	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloroethane (EDC)	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,2-Dichloropropane	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
1,3,5-Trimethylbenzene	ND	U	1.0	0.42	1	02/29/08	02/29/08	JWG0800765	
1,3-Dichlorobenzene	ND	U	1.0	0.34	1	02/29/08	02/29/08	JWG0800765	
1,4-Dichlorobenzene	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	
2-Butanone (MEK)	ND	U	10	0.77	1	02/29/08	02/29/08	JWG0800765	
2-Chloroethyl Vinyl Ether†	ND	U	25	0.56	1	02/29/08	02/29/08	JWG0800765	
2-Hexanone	ND	U	25	0.54	1	02/29/08	02/29/08	JWG0800765	
4-Methyl-2-pentanone (MIBK)	ND	U	25	0.67	1	02/29/08	02/29/08	JWG0800765	
Acetone	ND	U	50	1.7	1	02/29/08	02/29/08	JWG0800765	
Benzene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Bromochloromethane	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Bromodichloromethane	ND	U	1.0	0.15	1	02/29/08	02/29/08	JWG0800765	
Bromoform	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Bromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Carbon Disulfide	ND	U	10	1.0	1	02/29/08	02/29/08	JWG0800765	
Carbon Tetrachloride	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Chlorobenzene	ND	U	1.0	0.19	1	02/29/08	02/29/08	JWG0800765	
Chloroethane	ND	U	1.0	0.24	1	02/29/08	02/29/08	JWG0800765	
Chloroform	ND	U	1.0	0.18	1	02/29/08	02/29/08	JWG0800765	
Chloromethane	ND	U	1.0	0.21	1	02/29/08	02/29/08	JWG0800765	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Tetra Tech NUS, Inc.
Project: Ocala Crash Site/112GN4117
Sample Matrix: Water

Service Request: J0800906
Date Collected: NA
Date Received: NA

Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: JWG0800765-4

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
cis-1,2-Dichloroethene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
cis-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
Dibromochloromethane	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Dibromomethane	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Dichlorodifluoromethane	ND	U	5.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Ethylbenzene	ND	U	1.0	0.20	1	02/29/08	02/29/08	JWG0800765	
Iodomethane (Methyl Iodide)	ND	U	5.0	0.75	1	02/29/08	02/29/08	JWG0800765	
Isopropylbenzene	ND	U	1.0	0.36	1	02/29/08	02/29/08	JWG0800765	
m,p-Xylenes	ND	U	2.0	0.47	1	02/29/08	02/29/08	JWG0800765	
Methyl tert-Butyl Ether	ND	U	2.0	0.16	1	02/29/08	02/29/08	JWG0800765	
Methylene Chloride	ND	U	5.0	0.51	1	02/29/08	02/29/08	JWG0800765	
o-Xylene	ND	U	1.0	0.25	1	02/29/08	02/29/08	JWG0800765	
Styrene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
Tetrachloroethene (PCE)	ND	U	1.0	0.44	1	02/29/08	02/29/08	JWG0800765	
Toluene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,2-Dichloroethene	ND	U	1.0	0.22	1	02/29/08	02/29/08	JWG0800765	
trans-1,3-Dichloropropene	ND	U	1.0	0.14	1	02/29/08	02/29/08	JWG0800765	
trans-1,4-Dichloro-2-butene	ND	U	20	0.60	1	02/29/08	02/29/08	JWG0800765	
Trichloroethene (TCE)	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	
Trichlorofluoromethane	ND	U	1.0	0.26	1	02/29/08	02/29/08	JWG0800765	
Vinyl Acetate	ND	U	10	0.73	1	02/29/08	02/29/08	JWG0800765	
Vinyl Chloride	ND	U	1.0	0.23	1	02/29/08	02/29/08	JWG0800765	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,2-Dichloroethane-d4	101	71-122	02/29/08	Acceptable
4-Bromofluorobenzene	99	75-120	02/29/08	Acceptable
Dibromofluoromethane	98	82-116	02/29/08	Acceptable
Toluene-d8	106	88-117	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG0800765-4	**Basis:**	NA

† Analyte Comments

2-Chloroethyl Vinyl Ether	This analyte is susceptible to acid hydrolysis and is not expected to be present in samples preserved to a low pH.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Polynuclear Aromatic Hydrocarbons (PAHs) by GC/MS SIM

Sample Name:	CEF-CS8-20080225	**Units:**	ug/L
Lab Code:	J0800906-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.061**	I	0.11	0.048	1	02/25/08	02/29/08	JWG0800741	
2-Methylnaphthalene	ND	U	0.11	0.040	1	02/25/08	02/29/08	JWG0800741	
1-Methylnaphthalene	ND	U	0.11	0.039	1	02/25/08	02/29/08	JWG0800741	
Acenaphthylene	ND	U	0.11	0.042	1	02/25/08	02/29/08	JWG0800741	
Acenaphthene	ND	U	0.11	0.042	1	02/25/08	02/29/08	JWG0800741	
Fluorene	ND	U	0.11	0.043	1	02/25/08	02/29/08	JWG0800741	
Phenanthrene	ND	U	0.11	0.040	1	02/25/08	02/29/08	JWG0800741	
Anthracene	ND	U	0.11	0.032	1	02/25/08	02/29/08	JWG0800741	
Fluoranthene	ND	U	0.11	0.023	1	02/25/08	02/29/08	JWG0800741	
Pyrene	ND	U	0.11	0.022	1	02/25/08	02/29/08	JWG0800741	
Benz(a)anthracene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	
Chrysene	ND	U	0.11	0.011	1	02/25/08	02/29/08	JWG0800741	
Benzo(b)fluoranthene	ND	U	0.11	0.016	1	02/25/08	02/29/08	JWG0800741	
Benzo(k)fluoranthene	ND	U	0.11	0.016	1	02/25/08	02/29/08	JWG0800741	
Benzo(a)pyrene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	
Indeno(1,2,3-cd)pyrene	ND	U	0.11	0.017	1	02/25/08	02/29/08	JWG0800741	
Dibenz(a,h)anthracene	ND	U	0.11	0.016	1	02/25/08	02/29/08	JWG0800741	
Benzo(g,h,i)perylene	ND	U	0.11	0.016	1	02/25/08	02/29/08	JWG0800741	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorobiphenyl	52	22-105	02/29/08	Acceptable
p-Terphenyl-d14	71	25-127	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Tetra Tech NUS, Inc.
Project: Ocala Crash Site/112GN4117
Sample Matrix: Water

Service Request: J0800906
Date Collected: 02/25/2008
Date Received: 02/25/2008

Polynuclear Aromatic Hydrocarbons (PAHs) by GC/MS SIM

Sample Name: CEF-CS3-20080225
Lab Code: J0800906-002

Units: ug/L
Basis: NA

Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.070**	I	0.11	0.046	1	02/25/08	02/29/08	JWG0800741	
2-Methylnaphthalene	ND	U	0.11	0.038	1	02/25/08	02/29/08	JWG0800741	
1-Methylnaphthalene	ND	U	0.11	0.037	1	02/25/08	02/29/08	JWG0800741	
Acenaphthylene	ND	U	0.11	0.040	1	02/25/08	02/29/08	JWG0800741	
Acenaphthene	ND	U	0.11	0.040	1	02/25/08	02/29/08	JWG0800741	
Fluorene	ND	U	0.11	0.041	1	02/25/08	02/29/08	JWG0800741	
Phenanthrene	ND	U	0.11	0.038	1	02/25/08	02/29/08	JWG0800741	
Anthracene	ND	U	0.11	0.031	1	02/25/08	02/29/08	JWG0800741	
Fluoranthene	ND	U	0.11	0.022	1	02/25/08	02/29/08	JWG0800741	
Pyrene	ND	U	0.11	0.021	1	02/25/08	02/29/08	JWG0800741	
Benz(a)anthracene	ND	U	0.11	0.014	1	02/25/08	02/29/08	JWG0800741	
Chrysene	ND	U	0.11	0.011	1	02/25/08	02/29/08	JWG0800741	
Benzo(b)fluoranthene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	
Benzo(k)fluoranthene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	
Benzo(a)pyrene	ND	U	0.11	0.014	1	02/25/08	02/29/08	JWG0800741	
Indeno(1,2,3-cd)pyrene	ND	U	0.11	0.016	1	02/25/08	02/29/08	JWG0800741	
Dibenz(a,h)anthracene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	
Benzo(g,h,i)perylene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorobiphenyl	56	22-105	02/29/08	Acceptable
p-Terphenyl-d14	70	25-127	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Polynuclear Aromatic Hydrocarbons (PAHs) by GC/MS SIM

Sample Name:	CEF-SC10-20080225	**Units:**	ug/L
Lab Code:	J0800906-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**0.063**	I	0.11	0.046	1	02/25/08	02/29/08	JWG0800741	
2-Methylnaphthalene	ND	U	0.11	0.038	1	02/25/08	02/29/08	JWG0800741	
1-Methylnaphthalene	ND	U	0.11	0.037	1	02/25/08	02/29/08	JWG0800741	
Acenaphthylene	ND	U	0.11	0.040	1	02/25/08	02/29/08	JWG0800741	
Acenaphthene	ND	U	0.11	0.040	1	02/25/08	02/29/08	JWG0800741	
Fluorene	ND	U	0.11	0.041	1	02/25/08	02/29/08	JWG0800741	
Phenanthrene	ND	U	0.11	0.038	1	02/25/08	02/29/08	JWG0800741	
Anthracene	ND	U	0.11	0.030	1	02/25/08	02/29/08	JWG0800741	
Fluoranthene	ND	U	0.11	0.022	1	02/25/08	02/29/08	JWG0800741	
Pyrene	ND	U	0.11	0.021	1	02/25/08	02/29/08	JWG0800741	
Benz(a)anthracene	ND	U	0.11	0.014	1	02/25/08	02/29/08	JWG0800741	
Chrysene	ND	U	0.11	0.011	1	02/25/08	02/29/08	JWG0800741	
Benzo(b)fluoranthene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	
Benzo(k)fluoranthene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	
Benzo(a)pyrene	ND	U	0.11	0.014	1	02/25/08	02/29/08	JWG0800741	
Indeno(1,2,3-cd)pyrene	ND	U	0.11	0.016	1	02/25/08	02/29/08	JWG0800741	
Dibenz(a,h)anthracene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	
Benzo(g,h,i)perylene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorobiphenyl	49	22-105	02/29/08	Acceptable
p-Terphenyl-d14	73	25-127	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Polynuclear Aromatic Hydrocarbons (PAHs) by GC/MS SIM

Sample Name:	CEF-CS1A-20080225	**Units:**	ug/L
Lab Code:	J0800906-004	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**33**		0.55	0.24	5	02/25/08	03/03/08	JWG0800741	
2-Methylnaphthalene	**54**		0.55	0.20	5	02/25/08	03/03/08	JWG0800741	
1-Methylnaphthalene	**50**		0.55	0.20	5	02/25/08	03/03/08	JWG0800741	
Acenaphthylene	ND	U	0.11	0.042	1	02/25/08	02/29/08	JWG0800741	
Acenaphthene	ND	U	0.11	0.042	1	02/25/08	02/29/08	JWG0800741	
Fluorene	**0.17**		0.11	0.043	1	02/25/08	02/29/08	JWG0800741	
Phenanthrene	**0.070**	I	0.11	0.040	1	02/25/08	02/29/08	JWG0800741	
Anthracene	ND	U	0.11	0.032	1	02/25/08	02/29/08	JWG0800741	
Fluoranthene	ND	U	0.11	0.023	1	02/25/08	02/29/08	JWG0800741	
Pyrene	ND	U	0.11	0.022	1	02/25/08	02/29/08	JWG0800741	
Benz(a)anthracene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	
Chrysene	ND	U	0.11	0.011	1	02/25/08	02/29/08	JWG0800741	
Benzo(b)fluoranthene	ND	U	0.11	0.016	1	02/25/08	02/29/08	JWG0800741	
Benzo(k)fluoranthene	ND	U	0.11	0.016	1	02/25/08	02/29/08	JWG0800741	
Benzo(a)pyrene	ND	U	0.11	0.015	1	02/25/08	02/29/08	JWG0800741	
Indeno(1,2,3-cd)pyrene	ND	U	0.11	0.017	1	02/25/08	02/29/08	JWG0800741	
Dibenz(a,h)anthracene	ND	U	0.11	0.016	1	02/25/08	02/29/08	JWG0800741	
Benzo(g,h,i)perylene	ND	U	0.11	0.016	1	02/25/08	02/29/08	JWG0800741	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorobiphenyl	60	22-105	02/29/08	Acceptable
p-Terphenyl-d14	69	25-127	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	02/25/2008
Sample Matrix:	Water	**Date Received:**	02/25/2008

Polynuclear Aromatic Hydrocarbons (PAHs) by GC/MS SIM

Sample Name:	CEF-CSDUP-01-20080225	**Units:**	ug/L
Lab Code:	J0800906-005	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	**30**		0.56	0.25	5	02/25/08	03/03/08	JWG0800741	
2-Methylnaphthalene	**51**		0.56	0.20	5	02/25/08	03/03/08	JWG0800741	
1-Methylnaphthalene	**47**		0.56	0.20	5	02/25/08	03/03/08	JWG0800741	
Acenaphthylene	ND	U	0.12	0.043	1	02/25/08	02/29/08	JWG0800741	
Acenaphthene	ND	U	0.12	0.043	1	02/25/08	02/29/08	JWG0800741	
Fluorene	**0.15**		0.12	0.044	1	02/25/08	02/29/08	JWG0800741	
Phenanthrene	**0.061**	I	0.12	0.040	1	02/25/08	02/29/08	JWG0800741	
Anthracene	ND	U	0.12	0.033	1	02/25/08	02/29/08	JWG0800741	
Fluoranthene	ND	U	0.12	0.024	1	02/25/08	02/29/08	JWG0800741	
Pyrene	ND	U	0.12	0.023	1	02/25/08	02/29/08	JWG0800741	
Benz(a)anthracene	ND	U	0.12	0.015	1	02/25/08	02/29/08	JWG0800741	
Chrysene	ND	U	0.12	0.012	1	02/25/08	02/29/08	JWG0800741	
Benzo(b)fluoranthene	ND	U	0.12	0.016	1	02/25/08	02/29/08	JWG0800741	
Benzo(k)fluoranthene	ND	U	0.12	0.016	1	02/25/08	02/29/08	JWG0800741	
Benzo(a)pyrene	ND	U	0.12	0.015	1	02/25/08	02/29/08	JWG0800741	
Indeno(1,2,3-cd)pyrene	ND	U	0.12	0.017	1	02/25/08	02/29/08	JWG0800741	
Dibenz(a,h)anthracene	ND	U	0.12	0.016	1	02/25/08	02/29/08	JWG0800741	
Benzo(g,h,i)perylene	ND	U	0.12	0.016	1	02/25/08	02/29/08	JWG0800741	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorobiphenyl	58	22-105	02/29/08	Acceptable
p-Terphenyl-d14	65	25-127	02/29/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Tetra Tech NUS, Inc.	**Service Request:**	J0800906
Project:	Ocala Crash Site/112GN4117	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Polynuclear Aromatic Hydrocarbons (PAHs) by GC/MS SIM

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JWG0800741-3	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Naphthalene	ND	U	0.10	0.044	1	02/25/08	02/29/08	JWG0800741	
2-Methylnaphthalene	ND	U	0.10	0.036	1	02/25/08	02/29/08	JWG0800741	
1-Methylnaphthalene	ND	U	0.10	0.035	1	02/25/08	02/29/08	JWG0800741	
Acenaphthylene	ND	U	0.10	0.038	1	02/25/08	02/29/08	JWG0800741	
Acenaphthene	ND	U	0.10	0.038	1	02/25/08	02/29/08	JWG0800741	
Fluorene	ND	U	0.10	0.039	1	02/25/08	02/29/08	JWG0800741	
Phenanthrene	ND	U	0.10	0.036	1	02/25/08	02/29/08	JWG0800741	
Anthracene	ND	U	0.10	0.029	1	02/25/08	02/29/08	JWG0800741	
Fluoranthene	ND	U	0.10	0.021	1	02/25/08	02/29/08	JWG0800741	
Pyrene	ND	U	0.10	0.020	1	02/25/08	02/29/08	JWG0800741	
Benz(a)anthracene	ND	U	0.10	0.013	1	02/25/08	02/29/08	JWG0800741	
Chrysene	ND	U	0.10	0.010	1	02/25/08	02/29/08	JWG0800741	
Benzo(b)fluoranthene	ND	U	0.10	0.014	1	02/25/08	02/29/08	JWG0800741	
Benzo(k)fluoranthene	ND	U	0.10	0.014	1	02/25/08	02/29/08	JWG0800741	
Benzo(a)pyrene	ND	U	0.10	0.013	1	02/25/08	02/29/08	JWG0800741	
Indeno(1,2,3-cd)pyrene	ND	U	0.10	0.015	1	02/25/08	02/29/08	JWG0800741	
Dibenz(a,h)anthracene	ND	U	0.10	0.014	1	02/25/08	02/29/08	JWG0800741	
Benzo(g,h,i)perylene	ND	U	0.10	0.014	1	02/25/08	02/29/08	JWG0800741	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorobiphenyl	78	22-105	02/29/08	Acceptable
p-Terphenyl-d14	84	25-127	02/29/08	Acceptable

Comments: