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FINAL FIRST ANNUAL FIRST YEAR MONITORING ONLY GROUNDWATER LETTER REPORT FOR OCALA F-18 CRASH SITE NAS CECIL FL

9/7/2007

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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
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Reference: CLEAN III Contract Number N62467-94-D-0888
Contract Task Order 0209

Subject: Final Monitoring Only Groundwater Monitoring Report, 1st Annual, 1st Year (March and September 2006)
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 Annual Groundwater Monitoring Report for the referenced Contract Task Order (CTO) 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. The objective of the activities at this site is to conduct semi-annual groundwater monitoring in accordance with the new Monitoring Only Plan Approval Order (MOPAO) issued by the Florida Department of Environmental Protection (FDEP), and Chapter 62-770, Florida Administrative Code (F.A.C.).

This report summarizes the field work and laboratory analytical results for the sampling events conducted on March 15, 2006, and September 19, 2006. Figure 1 shows the location of the site. Field operations were performed in general accordance with FDEP and TtNUS Standard Operating Procedures (SOPs).

BACKGROUND

The Ocala F-18 Crash Site is located in the Ocala National Forest approximately 82 miles south of Naval Air Station (NAS) Cecil Field, Jacksonville, Florida and approximately 22 miles southeast of Ocala, Florida. The location of the crash site is presented 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 reassess the 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. Following approval of monitoring only natural attenuation (MONA), HLA recommended semi-annual monitoring in their final (annual) report. HLA submitted a

MONA plan to FDEP dated January 20, 1998. The MONA plan was subsequently revised and approved in April 1998. HLA performed quarterly groundwater monitoring from May 4, 1998, through February 22, 1999. During the third year of monitoring in October 2002, TtNUS recommended preparation of a Treatability Study to use innovative technology to remediate the site because the concentrations of contaminants of concern (COCs) had not decreased. Monitoring continued in April 2003, and the COCs appeared to be within milestones set by the MONA order; therefore, continued monitoring was recommended. However, FDEP reviewed the Monitoring Only Plan Report and stated that five years had transpired without a decrease in COCs to concentrations less than GCTLs. The response from FDEP required an additional well directly downgradient of the source well concurrent with sampling, reporting, and recommendations. Considering the remoteness of the site and 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 (one upgradient, one sidegradient, and one downgradient).

Results of the sampling event conducted after the installation of the new monitoring wells 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. Based on the new sampling data, a new MONA was proposed with new milestone objectives for benzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, 1-methylnaphthalene, 2-methylnaphthalene, and naphthalene. The following summarizes the results of the first annual first-year sampling event on the Monitoring Only Plan.

FIELD OPERATIONS

During the March 2006 sampling event, water level measurements were recorded from each of the monitoring wells prior to sample collection. The depth to water ranged from 19.52 feet below top of casing (btoc) (CEF-CS4) to 23.00 feet btoc (CEF-CS2). The depth-to-water measurements along with top-of-casing elevations were used to calculate groundwater elevations. Groundwater elevation data from this event and the previous seven sampling events are provided in Table 1. A groundwater elevation contour map generated from the March 15, 2006, data is provided as Figure 2. Based on these data, the inferred direction of groundwater flow is to the northeast. This groundwater flow direction is consistent with the range of historical groundwater flow directions reported for this site.

During the September 2006 sampling event, water level measurements were recorded from each of the monitoring wells prior to sample collection. The depth to water ranged from 21.50 feet btoc (CEF-CS4) to 25.08 feet btoc (CEF-CS2). The depth-to-water measurements along with top-of-casing elevations were used to calculate groundwater elevations. Groundwater elevation data from this event and the previous seven sampling events are provided in Table 1. A groundwater elevation contour map generated from the September 19, 2006, data is provided as Figure 3. Based on these data, the inferred direction of groundwater flow is to the north. This groundwater flow direction is consistent with the range of historical groundwater flow directions reported for this site.

Groundwater samples were collected from four monitoring wells (CEF-CS1A, CEF-CS3, CEF-CS8, and CEF-CS10) on March 15, 2006, and September 19, 2006. Field data sheets are provided in Attachment A. Following collection, the samples were placed on ice and subsequently shipped under chain of custody to Accutest Southeast in Orlando, Florida. The laboratory analyzed the samples for volatile organic compounds using United States Environmental Protection Agency (USEPA) Method SW-846 8021B and for polynuclear aromatic hydrocarbons using USEPA Method SW-846 8310. The reported detection limits for these methods meet the requirements for similar methods stipulated in the MOPAO.

RESULTS

The laboratory analytical results from the March 2006 sampling event indicate that benzene, ethylbenzene, and total xylenes were detected in source well CEF-CS1A at concentrations of 0.745 micrograms per liter (µg/L), 23 µg/L and 10.5 µg/L, respectively, all at concentrations less than GCTLs. In addition, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene were all detected at concentrations less than GCTLs, at 9.05 µg/L, 19.95 µg/L, and 19 µg/L, respectively. 1,2,4-Trimethylbenzene was detected at 74.65 µg/L, greater than the GCTL of 10 µg/L. The laboratory results for samples collected from perimeter monitoring wells CEF-CS3, CEF-CS8, and CEF-CS10 indicated that the concentrations of COCs were less than laboratory detection limits in all wells. The laboratory analytical results from the March 2006 sampling event are presented on Figure 4 and summarized in Table 2.

The laboratory analytical results from the September 2006 sampling event indicate that ethylbenzene and total xylenes were detected in source well CEF-CS1A at concentrations of 19.4 µg/L and 8.6 µg/L, respectively, both less than GCTLs. In addition, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene were detected at concentrations less than GCTLs at 12.9 µg/L, 21.6 µg/L, and 23.4 µg/L, respectively. Benzene was detected at 1.4 µg/L, greater than its GCTL of 1 µg/L. 1,2,4-Trimethylbenzene was detected at 115 µg/L, greater than the GCTL of 10 µg/L. The laboratory results for samples collected from perimeter monitoring wells CEF-CS3, CEF-CS8, and CEF-CS10 indicated that the concentrations of COCs were less than laboratory detection limits in all wells. The laboratory analytical results from the September 2006 sampling event are presented on Figure 5 and summarized in Table 3.

The historical laboratory analytical results, action levels, and milestone objectives are summarized in Table 4. The laboratory analytical report is provided as Attachment B.

CONCLUSIONS AND RECOMMENDATIONS

For the March 2006 sampling event, benzene, ethylbenzene, total xylenes, and naphthalene concentrations reported in source well CEF-CS1A were less than the action levels and milestone objectives for the source well specified in the MOPAO (see Table 2). In addition, all contaminants detected in perimeter wells were less than the action levels and milestone objectives for perimeter wells specified in the MOPAO. The only GCTL exceedances were 1,2,4-trimethylbenzene in CEF-CS1A. 1,2,4-trimethylbenzene exceeded its respective milestone objectives for the source well specified in the MOPAO.

For the September 2006 sampling event, toluene, ethylbenzene, total xylenes, naphthalene, 1,3,5-trimethylbenzene, 1-methylnaphthalene, and 2-methylnaphthalene concentrations reported in source well CEF-CS1A were less than the action levels and milestone objectives for the source well specified in the MOPAO (see Table 3). In addition, all contaminants detected in perimeter wells were less than the action levels and milestone objectives for perimeter wells specified in the MOPAO. The only GCTL exceedances were 1,2,4-trimethylbenzene and benzene in CEF-CS1A. Benzene and 1,2,4-trimethylbenzene exceeded their respective milestone objectives for the source well specified in the MOPAO.

At this time, it is recommended that the Monitoring Only Plan be continued. The next sampling event is scheduled for March 2007.

If you have any questions regarding the information presented in this document, please contact me by phone at (904) 636-6125 or via e-mail at Mark.Peterson@ttnus.com.

Sincerely,

Mark A. Peterson, P.G.
Task Order Manager
Florida License Number PG-0001864

MAP/wh

Attachments (11)

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 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 Monitoring Only Groundwater Monitoring Report, 1st Annual, 1st Year (March and September 2006) was developed for the Ocala F-18 Crash Site, and should not be construed to apply to any other site.

September 7, 2007
Mark A. Peterson, P.G.
Florida License Number PG-0001852

TABLES

Table 1
Groundwater Elevation and Monitoring Well Construction Data

Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida
Page 1 of 2

Monitoring Well Identification	Total Well Depth (ft, bgs)	Screened Interval (ft, bls)	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, msl)	Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)	Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)	Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)
CEF-CS1A	31	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	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	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

Monitoring Well Identification	Total Well Depth (ft, bgs)	Screened Interval (ft, bls)	TOC Elevation (ft above msl)*	February 22, 1999		October 4, 1999		March 7, 2000		September 27, 2000	
				Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)	Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)	Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)	Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)
CEF-CS1A	31	15.5 to 30.5	81.30	22.39	58.91	25.05	56.25	25.98	55.32	28.49	52.81
CEF-CS2	29.5	14.0 to 29.0	83.54	24.60	58.94	27.33	56.21	28.28	55.26	30.77	52.77
CEF-CS3	32	16.5 to 31.5	80.98	22.16	58.82	24.84	56.14	25.82	55.16	28.26	52.72
CEF-CS4	29.5	14.0 to 29.0	79.88	21.12	58.76	23.79	56.09	24.80	55.08	27.19	52.69
CEF-CS5	33	17.5 to 32.5	80.66	21.68	58.98	24.33	56.33	25.35	55.31	27.77	52.89
CEF-CS6	53.5	48.0 to 53.0	81.59	22.67	58.92	25.37	56.22	26.33	55.26	28.78	52.81
CEF-CS7	29.9	19.0 to 29.0	80.89	22.15	58.74	24.84	56.05	25.81	55.08	28.27	52.62

See notes at end of table.

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

Groundwater Monitoring Report, March 2006
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Monitoring Well Identification	Total Well Depth (ft, bgs)	Screened Interval (ft, bls)	TOC Elevation (ft above msl)*	March 7, 2001		October 4, 2002		April 21. 2003		January 19, 2005	
				Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)	Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)	Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)	Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)
CEF-CS1A	31	15.5 to 30.5	81.30	30.29	51.01	24.23	57.07	21.76	59.54	21.42	59.88
CEF-CS2	29.5	14.0 to 29.0	83.54	31.91	51.63	26.59	56.95	24.13	59.41	23.71	59.83
CEF-CS3	32	16.5 to 31.5	80.98	30.07	50.91	23.98	57.00	21.53	59.45	21.21	59.77
CEF-CS4	29.5	14.0 to 29.0	79.88	29.02	50.86	22.89	56.99	20.44	59.44	20.17	59.71
CEF-CS5	33	17.5 to 32.5	80.66	29.6	51.06	23.43	57.23	20.96	59.70	20.73	59.93
CEF-CS6	53.5	48.0 to 53.0	81.59	30.59	51.00	24.55	57.04	22.10	59.49	21.72	59.87
CEF-CS7	29.9	19.0 to 29.0	80.89	DRY	<50.99	23.97	56.92	21.52	59.37	21.19	59.70
CEF-CS8	32.4	17.4 to 32.4	81.75	N/A	N/A	N/A	N/A	N/A	N/A	21.85	59.90
CEF-CS9	32.9	17.9 to 32.9	82.31	N/A	N/A	N/A	N/A	N/A	N/A	22.45	59.86
CEF-CS10	32.7	17.7 to 32.7	82.09	N/A	N/A	N/A	N/A	N/A	N/A	22.76	59.33

Monitoring Well Identification	Total Well Depth (ft, bgs)	Screened Interval (ft, bls)	TOC Elevation (ft above msl)*	March 15, 2006		September 19, 2006	
				Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)	Depth to Water (ft, btoc)	Water Level Elevation (ft, msl)
CEF-CS1A	31	15.5 to 30.5	81.30	20.73	60.57	22.72	58.80
CEF-CS2	29.5	14.0 to 29.0	83.54	23	60.54	25.08	58.46
CEF-CS3	32	16.5 to 31.5	80.98	20.55	60.43	22.58	58.40
CEF-CS4	29.5	14.0 to 29.0	79.88	19.52	60.36	21.50	58.38
CEF-CS5	33	17.5 to 32.5	80.66	20.08	60.58	22.07	58.59
CEF-CS6	53.5	48.0 to 53.0	81.59	21.06	60.53	23.04	58.55
CEF-CS7	29.9	19.0 to 29.0	80.89	20.55	60.34	22.54	58.35
CEF-CS8	32.4	17.4 to 32.4	81.75	21.18	60.57	23.22	58.53
CEF-CS9	32.9	17.9 to 32.9	82.31	21.94	60.37	23.83	58.48
CEF-CS10	32.7	17.7 to 32.7	82.09	21.61	60.48	23.65	58.44

Notes:
*Top-of-casing elevations for monitoring wells 1A through 6 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.
bls = 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, March 2006

Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Contaminant	Monitoring Well Location					Cleanup Criteria*	
	CEF-CS1A (source)	**Duplicate (CEF-CS1A)**	**CEF-CS3 (perimeter)**	**CEF-CS8 (perimeter)**	**CEF-CS10 (perimeter)**	**GCTL[(1)]**	**Milestone Objectives (end of year 1)**
VOCs (USEPA Method 8260B) (µg/L)							
Benzene	0.8 J	0.69 J	<0.5	<0.5	<0.5	1	3
Toluene	0.73	0.87	<0.5	<0.5	<0.5	40	NA
Ethylbenzene	22	24	<0.5	<0.5	<0.5	30	NA
Total Xylenes	10	11	<0.5	<0.5	<0.5	20	NA
1,3,5-Trimethlybenzene	<1	<1	<1	<0.5	<0.5	10	15
1,2,4-Trimethylbenzene	**73.6 J**	**75.7**	<1	<0.5	<0.5	10	50
PAHs (USEPA Method 8310) (µg/L)							
Benzo(a)pyrene	<0.1	<0.1	<0.097	<0.1	<0.1	0.2	NA
Naphthalene	9.6	8.5	<0.97	<1	<0.5	14	30
1-Methylnapthalene	21.1	18.8	<0.49	<0.52	<0.5	28	33
2-Methylnapthalene	20.4	17.6	<0.49	<0.52	<0.5	28	33

Notes:
* Action levels and milestones based on the MONA Approval Order.
[1] GCTL as defined by Chapter 62-777, Table I, F.A.C. (as amended April 2005).
Bold font indicates a GCTL was exceeded.
J = estimated value
NA = no value presented in the current Approval Order from April 1998.

Table 3
Summary of Detections in Groundwater, September 2006

Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Contaminant	Monitoring Well Location					Cleanup Criteria*	
	CEF-CS1A (source)	**Duplicate (CEF-CS1A)**	**CEF-CS3 (perimeter)**	**CEF-CS8 (perimeter)**	**CEF-CS10 (perimeter)**	**GCTL[(1)]**	**Milestone Objectives (end of year 1)**
VOCs (USEPA Method 8260B) (µg/L)							
Benzene	**1.4**	**1.4**	<0.3	<0.3	<0.3	1	3
Toluene	0.4	0.4	<0.2	<0.2	<0.2	40	NA
Ethylbenzene	19	21	<0.2	<0.2	<0.2	30	NA
Total Xylenes	8.1	8.7	<0.2	<0.2	<0.2	20	NA
1,3,5- Trimethlybenzene	1.9	2.7	<0.2	<0.2	<0.2	10	15
1,2,4-Trimethylbenzene	**115**	**123**	0.6	<0.2	<0.2	10	50
PAHs (USEPA Method 8310) (µg/L)							
Naphthalene	12.9	13.5	<0.02	<0.02	0.06	14	30
1-Methylnapthalene	21.6	22.5	<0.02	<0.02	0.35	28	33
2-Methylnapthalene	23.4	24.2	<0.02	<0.02	0.28	28	33

Notes:
* Action levels and milestones based on the MONA Approval Order.
[1] GCTL as defined by Chapter 62-777, Table I, F.A.C. (as amended April 2005).
Bold font indicates a GCTL was exceeded.
J = estimated value
NA = no value presented in the current Approval Order from April 1998.

Table 4
Summary of Historical Detections in Groundwater

Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida
Page 1 of 3

Compounds Detected	FDEP GCTLs, per Chapter 62-777, F.A.C.	Milestone Objectives					Monitoring Well Identification															
							CEF-CS1A (source)[1,2]														CEF-CS2	
	Groundwater Criteria (µg/L)	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 [3]	Sep 00	Mar 01	Oct 02	Oct 02 [3]	April 03	Jan 05 [3]	Mar 06	Sep 06	Oct 99	Jan 05
VOCs[3] (µg/L)																						
Benzene	1	3	2	1	<1	<1	**16**	**14**	**13**	**16.9**	**16.6**	**16.6**	**42**	**39**	**1.0**	**1.2**	ND	**1.5**	0.745 J	**1.4**	ND	ND
Ethylbenzene	30	NA	NA	NA	NA	NA	**44**	**31**	**34**	**43.2**	**31.2**	**31.2**	**31**	**50**	28.0	**30.2**	10.6	22	0.8	19.4	ND	ND
Toluene	40	NA	NA	NA	NA	NA	7.1	3.5	1.8	3.4	2.1	2.1	6	8.9	ND	0.61	0.56	0.73	23	0	ND	ND
Total Xylenes	20	NA	NA	NA	NA	NA	**115**	**63**	**33**	**80.4**	**38.4**	**38.4**	**39**	**53**	16.2	16.3	9.2	10	10.5	8.6	ND	ND
1,3,5-Trimethylbenzene	10	15	14	13	12	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**12**	<1	1.9	NS	ND
1,2,4-Trimethylbenzene	10	50	40	30	20	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**48**	**74.65 J**	**115**	NS	ND
PAHs[4] (µg/L)																						
Naphthalene	14	30	25	20	15	<14	**52**	**75**	**39**	16	**29.5** [3]	16.8	**34**	**61**	**34.5**	**33.5**	13.4	**20**	9.05	13.5	ND	ND
1-Methylnaphthalene	28	33	32	31	30	<28	**45**	**87**	**31**	**27**	**37.2** [3]	**20.3**	**20**	**32**	**62.4**	**62.2**	**30.7**	**31**	19.95	22.5	ND	ND
2-Methylnaphthalene	28	33	32	31	30	<28	**75**	**59**	**42**	17	**33.1** [3]	19.6	18	**38**	**58.7**	**57.5**	**30.4**	**32**	19	23.4	ND	ND

See notes at end of table.

Table 4
Summary of Historical Detections in Groundwater

Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

Compounds Detected	FDEP GCTLs, per Chapter 62-777, F.A.C.	Milestone Objectives					Monitoring Well Identification															
							CEF-CS3 (perimeter)												CEF-CS4	CEF-CS5	CEF-CS6	CEF-CS7
	Groundwater Criteria (µg/L)	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	Aug 00	Mar 01	Oct 02	April 03	April 03[3]	Mar 06	Sep 06	Jan 05	Jan 05	Jan 05	Aug 98
VOCs[3] (µg/L)																						
Benzene	1	3	2	1	<1	<1	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	<0.5	<0.2	ND	ND	ND	ND
Ethylbenzene	30	NA	NA	NA	NA	NA	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	<0.5	<0.3	ND	ND	ND	ND
Toluene	40	NA	NA	NA	NA	NA	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	<0.5	<0.2	ND	ND	ND	ND
Total Xylenes	20	NA	NA	NA	NA	NA	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	<0.5	<0.3	ND	ND	ND	1.2
1,3,5-Trimethylbenzene	210	15	14	13	12	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1	<0.2	ND	ND	ND	NS
1,2,4-Trimethylbenzene	10	50	40	30	20	<10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<1	0.6	ND	ND	ND	NS
PAHs[4] (µg/L)																						
Naphthalene	14	30	25	20	15	<14	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	<0.97	<0.02	ND	ND	ND	ND
1-Methylnaphthalene	28	33	32	31	30	<28	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	<0.49	<0.02	ND	ND	ND	ND
2-Methylnaphthalene	28	33	32	31	30	<28	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	<0.49	<0.02	ND	ND	ND	ND

See notes at end of table.

Table 4
Summary of Historical Detections in Groundwater

Groundwater Monitoring Report
Ocala F-18 Crash Site
Naval Air Station Cecil Field
Jacksonville, Florida

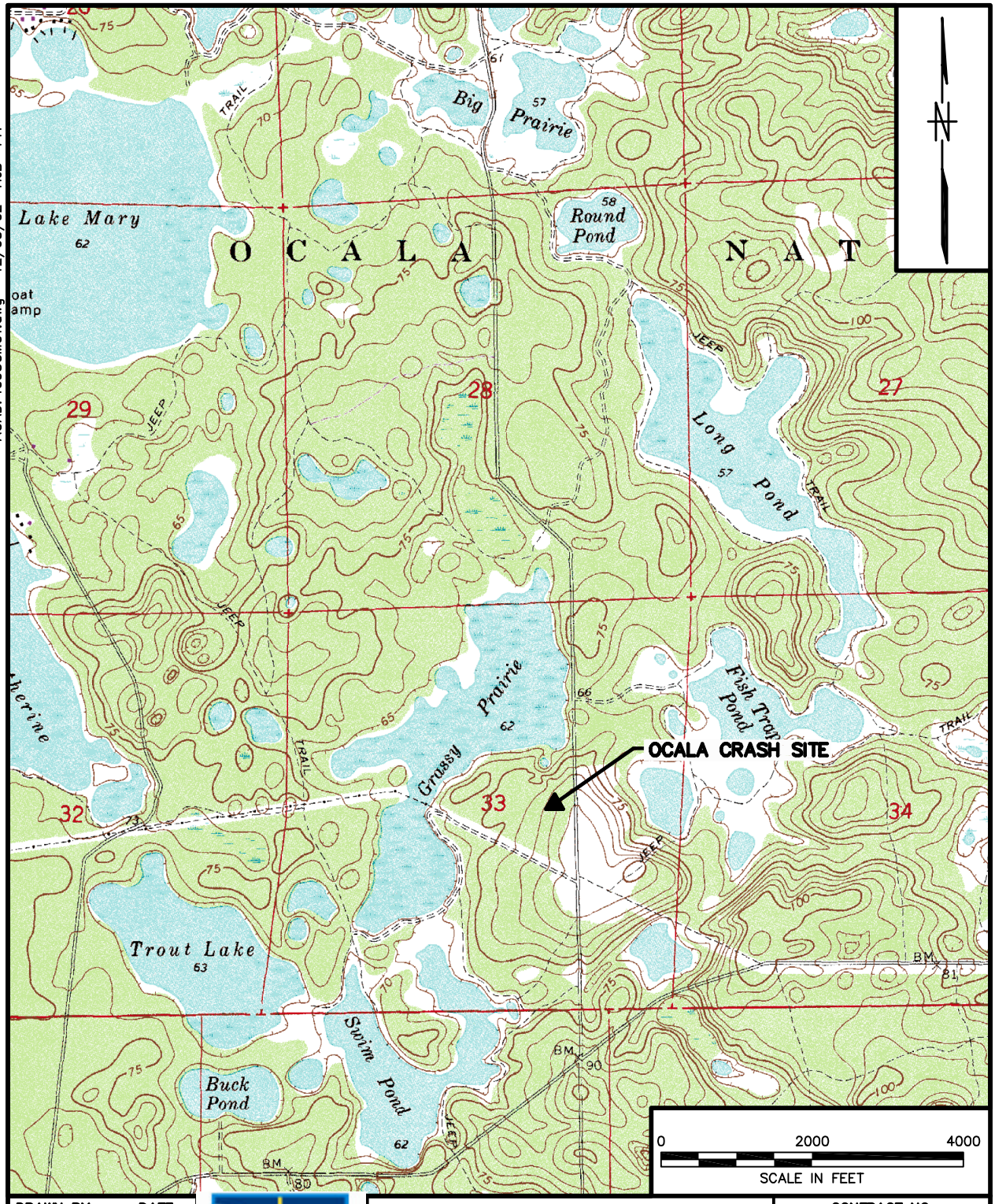
Compounds Detected	FDEP GCTLs, per Chapter 62-777, F.A.C.	Milestone Objectives					Monitoring Well Identification															
							CEF-CS7 (perimeter)[1]									CEF-CS8			CEF-CS9	CEF-CS10		
	Groundwater Criteria (µg/L)	End of Year 1 (2006)	End of Year 2 (2007)	End of Year 3 (2008)	End of Year 4 (2009)	End of Year 5 (2010)	Nov 98	Feb 99	Oct 99	Mar 00	Sep 00	Mar 01	Oct 02	April 03	Jan 05	Jan 05	Mar 06	Sep 06	Jan 05	Jan 05	Mar 06	Sep 06
VOCs[3] (µg/L)																						
Benzene	1	3	2	1	<1	<1	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	<0.5	<0.2	ND	ND	<0.5	<0.2
Ethylbenzene	30	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	<0.5	<0.3	ND	ND	<0.5	<0.3
Toluene	40	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	<0.5	<0.2	ND	ND	<0.5	<0.2
Total Xylenes	20	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	<0.5	<0.3	ND	ND	<0.5	<0.3
1,3,5-Trimethylbenzene	210	15	14	13	12	<10	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	<0.5	<0.2	ND	ND	<0.5	<0.2
1,2,4-Trimethylbenzene	10	50	40	30	20	<10	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	<0.5	0.6	ND	ND	<0.5	0.6
PAHs[4] (µg/L)																						
Naphthalene	14	30	25	20	15	<14	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	<1	<0.02	ND	ND	<0.5	0.06
1-Methylnaphthalene	28	33	32	31	30	<28	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	<0.52	<0.02	ND	ND	<0.5	0.35
2-Methylnaphthalene	28	33	32	31	30	<28	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	<0.52	<0.02	ND	ND	<0.5	0.28

Notes:
1. Data from May 1998 sampling has been deleted for format reasons. It can be found in previous monitoring reports.
2. Duplicate sample collected at this well.
3. USEPA Method 8021B or 8260B provide data to detection limits necessary to meet MONA Approval Order original requirement to use USEPA Method 602.
4. May 1998 to February 1999, USEPA Method 625; October 1999 to March 2000; USEPA Method 8310; September 2000, USEPA Method 8270C.

Bold indicates GCTL was exceeded.
ND = none detected
NA = no value presented in the current Approval Order
NS = not sampled
J = estimated value

FIGURES

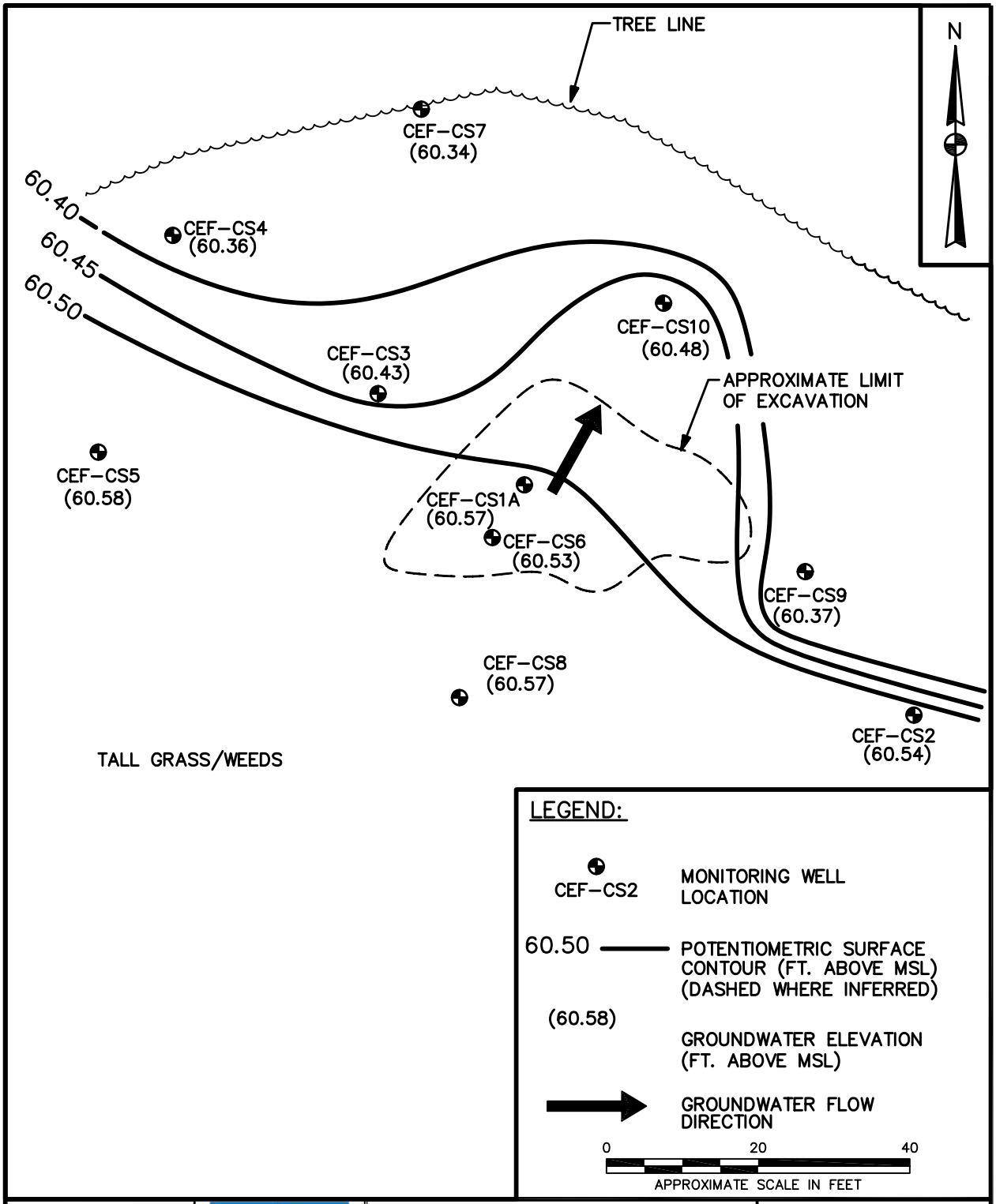
ACAD: 4093CM01.dwg 12/03/02 HJB PIT



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			DRAWING NO. FIGURE 1 / REV. 0

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

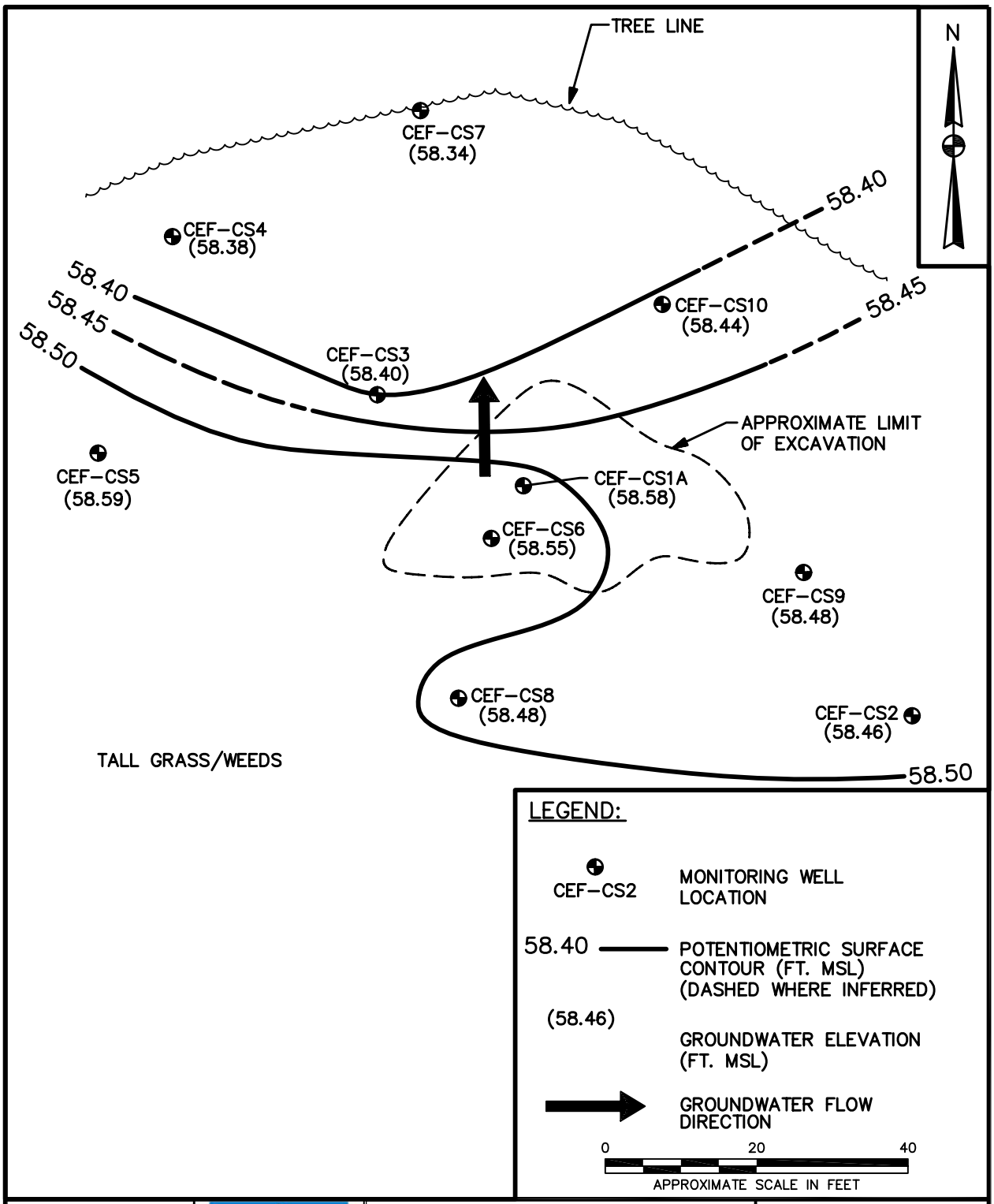
ACAD: 4093GT08.dwg 12/26/06 MF PIT



DRAWN BY MF DATE 8/17/06	NAVFAC	POTENTIOMETRIC SURFACE MAP MARCH 15, 2006 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 2 REV. 0

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

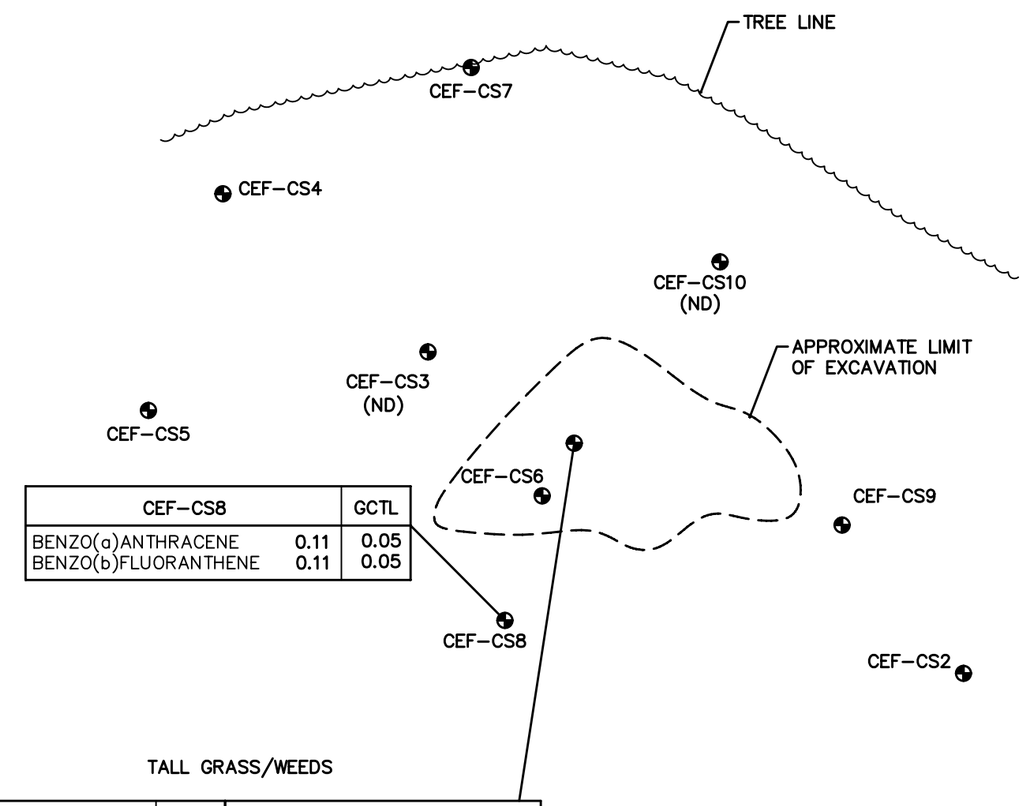
ACAD: 4093GT09.dwg 12/19/06 MF PIT



DRAWN BY MF DATE 12/19/06		POTENTIOMETRIC SURFACE MAP SEPTEMBER 19, 2006 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 3 / REV. 0

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

ACAD: 4093GT07.DWG 12/26/06 MF PIT



CEF-CS8		GCTL
BENZO(a)ANTHRACENE	0.11	0.05
BENZO(b)FLUORANTHENE	0.11	0.05

CEF-CS1A		GCTL	CEF-CS1A (DUP)	
BENZENE	0.8J	1	BENZENE	0.69J
TOLUENE	0.73	40	TOLUENE	0.87
ETHYLBENZENE	22	30	ETHYLBENZENE	24
TOTAL XYLENES	10	20	TOTAL XYLENES	11
1,3,5-TRIMETHYLBENZENE	< 1	10	1,3,5-TRIMETHYLBENZENE	< 1
1,2,4-TRIMETHYLBENZENE	**73.6J**	10	1,2,4-TRIMETHYLBENZENE	**75.7**
BENZO(a)ANTHRACENE	< 0.1	**0.05**	BENZO(a)ANTHRACENE	< 0.1
BENZO(b)FLUORANTHENE	< 0.1	**0.05**	BENZO(b)FLUORANTHENE	< 0.1
NAPHTHALENE	9.6	14	NAPHTHALENE	8.5
1-METHYLNAPHTHALENE	21.1	28	1-METHYLNAPHTHALENE	18.8
2-METHYLNAPHTHALENE	20.4	28	2-METHYLNAPHTHALENE	17.6

LEGEND:

CEF-CS2	MONITORING WELL AND DESIGNATION
µg/L	MICROGRAMS PER LITER
ND	COMPOUND NOT DETECTED
GCTL	GROUNDWATER CLEANUP TARGET LEVEL
J	ESTIMATED

NOTE:

1. CONCENTRATIONS SHOWN ARE IN µg/L.
2. EXCEEDANCES ARE SHOWN BOLD.

0 20 40
GRAPHIC SCALE IN FEET

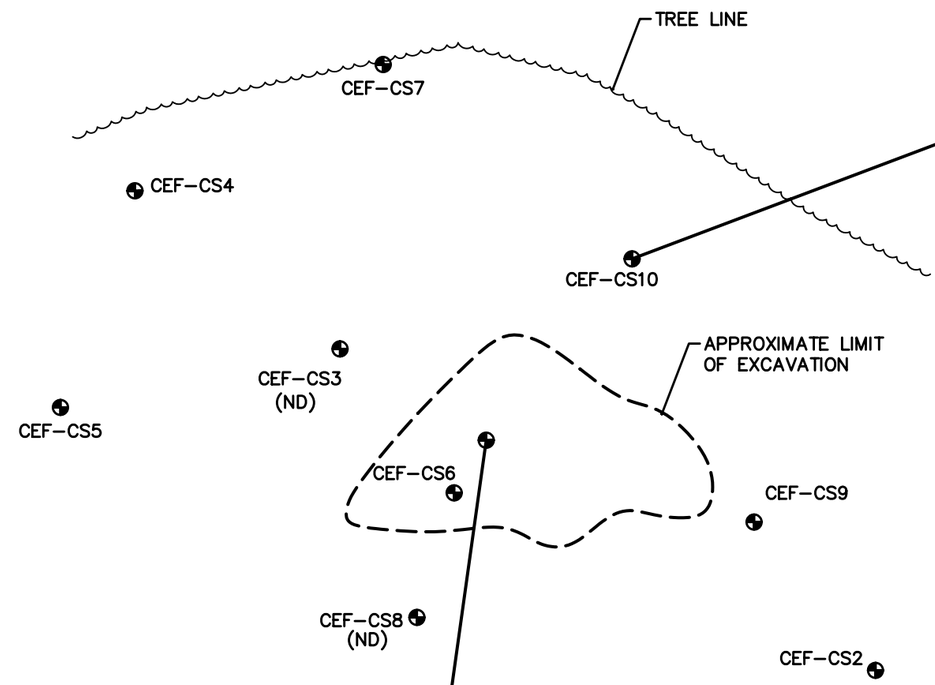
DRAWN BY MF	DATE 8/17/06	GROUNDWATER ANALYTICAL RESULTS MARCH 15, 2006 OCALA F-18 CRASH SITE OCALA NATIONAL FOREST NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA
CHECKED BY	DATE	
REVISED BY	DATE	
SCALE AS NOTED		

NAVFAC

CONTRACT NO. 4093
OWNER NO.
APPROVED BY DATE
DRAWING NO. FIGURE 4
REV. 0

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

ACAD: 4093GT10.DWG 12/26/06 MF PIT



CEF-CS10		GCTL
BENZENE	< 0.2	1
TOLUENE	< 0.2	40
ETHYLBENZENE	< 0.3	30
TOTAL XYLENES	< 0.3	20
1,3,5-TRIMETHYLBENZENE	< 0.2	10
1,2,4-TRIMETHYLBENZENE	< 0.2	10
BENZO(a)ANTHRACENE	< 0.01	0.05
BENZO(b)FLUORANTHENE	< 0.03	0.05
NAPHTHALENE	0.06	14
1-METHYLNAPHTHALENE	0.35	28
2-METHYLNAPHTHALENE	0.28	28

CEF-CS1A		GCTL	CEF-CS1A (DUP)	
BENZENE	1.4	1	BENZENE	1.4
TOLUENE	0.4	40	TOLUENE	0.4
ETHYLBENZENE	19.4	30	ETHYLBENZENE	21.2
TOTAL XYLENES	8.6	20	TOTAL XYLENES	9.2
1,3,5-TRIMETHYLBENZENE	1.9	10	1,3,5-TRIMETHYLBENZENE	2.7
1,2,4-TRIMETHYLBENZENE	115	10	1,2,4-TRIMETHYLBENZENE	123
BENZO(a)ANTHRACENE	< 0.01	0.05	BENZO(a)ANTHRACENE	< 0.01
BENZO(b)FLUORANTHENE	< 0.03	0.05	BENZO(b)FLUORANTHENE	< 0.03
NAPHTHALENE	12.9	14	NAPHTHALENE	13.5
1-METHYLNAPHTHALENE	21.6	28	1-METHYLNAPHTHALENE	22.5
2-METHYLNAPHTHALENE	23.4	28	2-METHYLNAPHTHALENE	24.2

N

LEGEND:

CEF-CS2	MONITORING WELL AND DESIGNATION
µg/L	MICROGRAMS PER LITER
ND	COMPOUND NOT DETECTED
GCTL	GROUNDWATER CLEANUP TARGET LEVEL

NOTE:

1. CONCENTRATIONS SHOWN ARE IN µg/L.
2. EXCEEDANCES ARE SHOWN BOLD.

0 20 40
GRAPHIC SCALE IN FEET

DRAWN BY MF	DATE 12/19/07	GROUNDWATER ANALYTICAL RESULTS SEPTEMBER 19, 2006 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 5 / REV. 0

NAVFAC

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

ATTACHMENT A

FIELD DATA SHEETS

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: CTO 209
Project No.: N4093
Location: Ocala F-18 Crash Site
Personnel: SM,CG
Weather Conditions: Sunny/Clear
Measuring Device: Heron WLI
Tidally Influenced: Yes ___ No ✓
Remarks:

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
CEF-CS1A	15-Mar	1356		31.00	20.73			
CEF-CS2	15-Mar	1301		29.50	23.00			
CEF-CS3	15-Mar	1354		32.00	20.55			
CEF-CS4	15-Mar	1401		29.50	19.52			
CEF-CS5	15-Mar	1404		33.00	20.08			
CEF-CS6	15-Mar	1359		53.50	21.06			
CEF-CS7	15-Mar	1250		29.90	20.55			
CEF-CS8	15-Mar	1253		32.47	21.18			
CEF-CS9	15-Mar	1258		32.90	21.94			
CEF-CS10	15-Mar	1244		32.75	21.61			

* All measurements to the nearest 0.01 foot

Tetra Tech NUS, Inc.

EQUIPMENT CALIBRATION LOG

PROJECT NAME : Ocala F-18 Crash Site

SITE NAME: Ocala Crash Site

PROJECT No.: CTO 1209 / N4093

INSTRUMENT NAME/MODEL: Horiba U-22/PID

MANUFACTURER:

SERIAL NUMBER:

Date of Calibration	Instrument I.D. Number	Person Performing Calibration	Instrument Readings Pre Calibration				Instrument Readings Post Calibration				Calibration Standard (Lot No.)	Remarks and Comments
			Ph/Cond	Turb/~~Temp~~	~~DO~~/Orp	ppm	Ph/Cond	Turb/Temp	~~DO~~/Orp	ppm		
3/15/2006	U-22	S. McGuire	3.98/4.00	8.34	246	—	4.0/4.49	0.0	246	—	#3741	

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Ocala Crash Site
Project No.: CTO- 213 / Job # N4117

[] Domestic Well Data
[x] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: CEF-CS1A-02
Sample Location MW-CEF-CS1A
Sampled By: S. McGuire
C.O.C. No.:
Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 3/15/06	Time	Drawdown DTW	Color Visual	pH Standard	S.C. mS/cm	Turbidity NTU	Temp °C	DO mg/l	Orp
Time: 1600									
Method: Teflon Bailer	1600		Clear	5.79	0.319	47.1	22.5	1.48	-88

PURGE DATA:

Date: 3/15/06	Time	DTW	Volume	pH	S.C.	Turbidity	Temp	DO	Orp
Method: Teflon Bailer	1524	N/A	2	5.37	0.302	53.6	22.7	2.87	-68
Monitor Reading (ppm): N/A	1527	N/A	4	5.64	0.312	45.9	22.5	1.36	-92
Well Casing Diameter & Material	1530	N/A	6	5.67	0.313	49.3	22.6	1.48	-89
Type: 2" PVC	1533	N/A	8	5.71	0.315	48.6	22.5	1.63	-90
Total Well Depth (TD): 31.0'	1536	N/A	10	5.74	0.316	48.1	22.5	1.31	-90
Static Water Level (WL):	1539	N/A	12	5.76	0.317	51.1	22.4	1.36	-89
One Casing Volume(gal/L): 20.73	1543	N/A	14	5.77	0.318	53.6	22.5	1.46	-87
Start Purge (hrs): 1520	1547	N/A	16	5.78	0.318	52.1	22.6	1.44	-87
End Purge (hrs): 1600	1552	N/A	18	5.78	0.319	58.4	22.4	1.46	-92
Total Purge Time (min): 40	1557	N/A	20	5.80	0.319	57.2	22.5	1.46	-84
Total Vol. Purged (gal/L): 22	1600	N/A	22	5.79	0.319	47.1	22.5	1.48	-88

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	SW-846 8260B VOCs)	HCL	3 - 40 ml Vials	√
PAHs	SW-846 8310	None	2 - 1liter Amber	√

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.: CEF-CS-GW-DU01	Signature(s):
		[illegible]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Ocala Crash Site
Project No.: CTO- 213 / Job # N4117

[] Domestic Well Data
[x] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: CEF-CS3-02
Sample Location MW-CEF-CS3
Sampled By: S. McGuire
C.O.C. No.:
Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 3/15/06	Time	Drawdown DTW	Color Visual	pH Standard	S.C. mS/cm	Turbidity NTU	Temp °C	DO mg/l	Orp
Time: 1516									
Method: Teflon Bailer	1516		Cloudy	4.08	0.065	310.0	22.5	4.97	332

PURGE DATA:

Date: 3/15/06	Time	DTW	Volume	pH	S.C.	Turbidity	Temp	DO	Orp
Method: Teflon Bailer	1410		2	4.08	0.063	313.0	21.9	5.33	324
Monitor Reading (ppm): N/A	1415		4	4.00	0.062	157.0	22.2	4.96	333
Well Casing Diameter & Material	1420		6	4.00	0.062	221.0	22.5	4.70	335
Type: 2" PVC	1425		8	4.00	0.062	217.0	22.7	4.89	333
Total Well Depth (TD): 32.0'	1430		10	4.07	0.062	305.0	22.5	4.97	330
Static Water Level (WL): 20.55	1440		12	4.06	0.065	307.0	22.5	4.94	329
One Casing Volume(gal/L): 7.09	1450		14	4.05	0.065	317.0	22.4	4.95	330
Start Purge (hrs): 1410	1455		16	4.06	0.065	328.0	22.3	4.97	328
End Purge (hrs): 1515	1500		18	4.08	0.065	311.0	22.5	4.96	328
Total Purge Time (min): 55	1505		20	4.08	0.064	314.0	22.4	4.98	328
Total Vol. Purged (gal/L): 22	1510		22	4.08	0.065	310.0	22.5	4.97	332

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	SW-846 8260B VOCs)	HCL	3 - 40 ml Vials	✓
PAHs	SW-846 8310	None	2 - 1liter Amber	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:	Signature(s):
		C Slat

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Ocala Crash Site
Project No.: CTO- 213 / Job # N4117

[] Domestic Well Data
[x] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: CEF-CS8-02
Sample Location MW-CEF-CS8
Sampled By: S. McGuire
C.O.C. No.:
Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 3-15-06	Time	Drawdown DTW	Color Visual	pH Standard	S.C. mS/cm	Turbidity NTU	Temp °C	DO mg/l	Orp
Time: 1400									
Method: Teflon Bailer	1400		White	3.67	0.088	>1000	21.9	2.20	369

PURGE DATA:

Date: 3-15-06	Time	DTW	Volume	pH	S.C.	Turbidity	Temp	DO	Orp
Method: Teflon Bailer	1330		2	3.88	0.090	179.0	22.7	4.28	342
Monitor Reading (ppm): N/A	1333		4	3.72	0.089	>1000	22.1	3.47	349
Well Casing Diameter & Material	1336		6	3.69	0.089	>1000	22.0	4.30	352
Type: 2" PVC	1339		8	3.67	0.088	>1000	21.9	2.46	356
Total Well Depth (TD): 32.47'	1342		10	3.66	0.088	>1000	22.0	2.81	357
Static Water Level (WL): 21.18	1345		12	3.66	0.089	>1000	22.0	2.39	357
One Casing Volume(gal/L): 6.99	1348		14	3.67	0.088	>1000	22.1	2.30	358
Start Purge (hrs): 1330	1351		16	3.67	0.087	>1000	21.8	2.26	361
End Purge (hrs): 1400	1354		18	3.66	0.086	>1000	22.0	2.24	366
Total Purge Time (min): 30	1357		20	3.68	0.087	>1000	22.1	2.21	367
Total Vol. Purged (gal/L): 22	1400		22	3.67	0.088	>1000	21.9	2.20	369

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	SW-846 8260B VOCs)	HCL	3 - 40 ml Vials	✓
PAHs	SW-846 8310	None	2 - 1liter Amber	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s): S. McGuire

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Ocala Crash Site
Project No.: CTO-213 / Job #N4117

[] Domestic Well Data
[x] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: CEF-CS10-02
Sample Location: MW-CEF-CS10
Sampled By: S. McGuire
C.O.C. No.:
Type of Sample:
[x] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 3-15-06	Time	Drawdown DTW	Color Visual	pH Standard	S.C. mS/cm	Turbidity NTU	Temp °C	DO mg/l	Orp
Time: 1315									
Method: Teflon Bailer	1315		White	3.72	0.079	>1000	22.1	3.84	369

PURGE DATA:

Date: 3-15-06	Time	DTW	Volume	pH	S.C.	Turbidity	Temp	DO	Orp
Method: Teflon Bailer	1245		2	4.27	0.124	25.5	22.7	8.19	241
Monitor Reading (ppm): N/A	1248		4	4.01	0.098	670	22.6	7.12	271
Well Casing Diameter & Material	1251		6	3.99	0.082	>1000	22.3	6.81	306
Type: 2" PVC	1254		8	3.96	0.080	>1000	22.3	6.60	318
Total Well Depth (TD): 32.75	1257		10	3.85	0.079	>1000	22.4	5.59	333
Static Water Level (WL): 21.61	1300		12	3.80	0.077	>1000	22.2	4.66	341
One Casing Volume(gal/L): 6.90	1303		14	3.78	0.078	>1000	22.1	4.50	352
Start Purge (hrs): 1240	1306		16	3.79	0.076	>1000	22.1	3.99	360
End Purge (hrs): 1315	1309		18	3.77	0.077	>1000	22.0	3.91	361
Total Purge Time (min): 30	1312		20	3.76	0.078	>1000	22.2	3.89	364
Total Vol. Purged (gal/L): 22	1315		22	3.72	0.079	>1000	22.1	3.84	369

SAMPLE COLLECTION INFORMATION:

Analysis		Preservative	Container Requirements	Collected
VOCs	SW-846 8260B VOCs)	HCL	3 - 40 ml Vials	✓
PAHs	SW-846 8310 PAH	4c	2 - 1liter Amber	✓

OBSERVATIONS / NOTES:

Duplicate collected

Circle if Applicable:

MS/MSD

Duplicate ID No.: CEF-CS-GW-DU01

Signature(s): S. McGuire

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 1352

PAGE 1 OF 1

PROJECT NO: N4093 CTO 209	FACILITY: Ocala	PROJECT MANAGER: Allen Pate	PHONE NUMBER: 904-636-6125	LABORATORY NAME AND CONTACT: Accutest Heather Wandrey
SAMPLERS (SIGNATURE): S. McGuire		FIELD OPERATIONS LEADER: S. McGuire	PHONE NUMBER: 813-434-6382	ADDRESS: 4405 Vineland Rd
		CARRIER/WAYBILL NUMBER		CITY, STATE: Orlando, FL 32811

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

CONTAINER TYPE PLASTIC (P) or GLASS (G)

PRESERVATIVE USED

TYPE OF ANALYSIS

DATE YEAR 2006	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	SW-846 8260B (VOC)	SW-846 8310 (PAH)							COMMENTS
3/15	1315	CEF-CS10-02				GW	G	5	3	2							
3/15	1400	CEF-CS8-02				GW	G	5	3	2							
3/15	1516	CEF-CS3-02				GW	G	5	3	2							
3/15	1600	CEF-CS1A-02				GW	G	5	3	2							
3/15	0000	CEF-CS-GW-DU01				GW	G	5	3	2							

1. RELINQUISHED BY: Scott R. McGuire	DATE 3/16/06	TIME	1. RECEIVED BY	DATE / TIME
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE / TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE / TIME

COMMENTS

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

4/02R

FORM NO. TINUS-001

Tetra Tech NUS, Inc.

DOCUMENTATION OF FIELD CALIBRATION

PROJECT NAME : NAS CECIL FIELD

SITE NAME: Ocala F-18 Crash Site

PROJECT No.: 112GN4117

INSTRUMENT NAME/MODEL:

MANUFACTURER:

SERIAL NUMBER:

Date of Calibration	Instrument Name and Model	Instrument I.D. Number	Person Performing Calibration	Instrument Settings		Instrument Readings		Calibration Standard (Lot No.)	Remarks and Comments
				Pre-calibration	Post-calibration	Pre-calibration	Post-calibration		
9/19/06	YSI 556 MPS		TC	–	1.409	1.796	1.409	6123-08	Exp: 5/4/07
					4.0	3.99	4.06	6088-15	Exp: 4/4/08
					10.0	10.04	10.00	6082-13	Exp: 4/5/07
					100%	109.1%	100.0%		
					Temp °C	23.2°C	23 °C		
9/19/06	LaMotte 2020	3640-3802	TC	–	1.0 NTU	0.82	1.00		
					10.0 NTU	9.63	10.00		
9/19/06	PID		TC	–	100 ppm	99.8	100.0		

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: NAS Cecil Field
Project No.: 112GN4117.LE0050175
Location: Ocala F-18 Crash Site
Personnel: T. Cottenoir & S. McGuire
Weather Conditions: 90°F, SUNNY
Measuring Device:
Tidally Influenced: Yes ___ No _x__
Remarks:

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments and/or PID (ppm) BH/BZ
CEF-CS1A	9/19/06	1132	81.30	31	22.72			0.0
CEF-CS2		1146	83.54	29.5	25.08			0.0
CEF-CS3		1154	80.98	32	22.58			0.0
CEF-CS4		1150	79.88	29.5	21.50			0.0
CEF-CS5		1152	80.66	33	22.07			0.0
CEF-CS6		1143	81.59	53.5	23.04			0.0
CEF-CS7		1148	80.89	29.9	22.54			0.0
CEF-CS8		1140		32.47	23.22			0.0
CEF-CS9		1135		32.9	23.83			0.0
CEF-CS10		1137		32.75	23.65			0.0

* All measurements to the nearest 0.01 foot
NM = not measured. BH=borehole of well BZ=breathing zone of worker

Tetra Tech NUS, Inc. **GROUNDWATER SAMPLE LOG SHEET**

Project Site Name: **Ocala F-18 Crash Site**
Project No.: **112GN4117.LE0050175**
CTO 213

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: **CEF-CS3-03**
Sample Location: **MW-CEF-CS3**
Sampled By: T. Cottenoir & S. McGuire
C.O.C. No.: 3395
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA

Date: 9/19/06 Time: 1218	Time	Drawdown DTW	Color Visual	Temp. °C	pH Std. Units	S.C. mS/cm	Turbidity NTU	DO mg/l	ORP mV
Method: Teflon Bailer	1218	-	Cloudy	23.52	4.55	0.055	450	4.17	198.6

LOW FLOW PURGE DATA

Date: 9/19/06	Time	DTW	Volume	Temp (°C)	pH	S.C.	Turbidity	DO	ORP
Method: Teflon Bailer	1201	-	2	24.73	4.64	0.054	48.6	4.79	197.3
Monitor data: 0.0	1203	-	4	24.62	4.60	0.058	52.6	4.78	196.2
Well Casing Diameter: **2"**	1205	-	6	24.10	4.56	0.054	58.3	4.69	187.1
Well Casing Material: **PVC**	1207	-	8	23.46	4.51	0.054	173	3.83	181.7
Total Well Depth (ft): 32.0	1209	-	10	23.45	4.50	0.054	450	3.66	181.9
Static Water Level (ft): 22.58	1211	-	12	23.54	4.47	0.053	380	4.04	186.7
One Casing Volume(gal/L): 5.8	1213	-	14	23.52	4.52	0.054	360	4.16	186.0
Start Purge (hrs): 1201	1215	-	16	23.52	4.52	0.054	430	4.21	191.7
End Purge (hrs): 1217	1217	-	18	23.52	4.52	0.055	450	4.17	198.6
Total Purge Time (min): 15									
Total Vol. Purged (gal/L): 18									

SAMPLE COLLECTION INFORMATION

Analysis		Preservative	Container Requirements	Collected
VOCs	SW846, 8260B	**HCl**	**3-40ml vials**	✓
PAH	SW846, 8310	**None**	**1 ~~2~~-1L Amber**	✓

OBSERVATIONS / NOTES

Circle if Applicable:
MS/MSD
Duplicate ID No.:

Signature(s): Terry Cottenoir

Tetra Tech NUS, Inc. **GROUNDWATER SAMPLE LOG SHEET**

Project Site Name: **Ocala F-18 Crash Site**
Project No.: **112GN4117.LE0050175**
CTO 213

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: **CEF-CS8-03**
Sample Location: **MW-CEF-CS8**
Sampled By: T. COTTENOIR & S. McGUIRE
C.O.C. No.: 3395
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA

Date: 9/19/06 Time: 1246	Time	Drawdown DTW	Color Visual	Temp. °C	pH Std. Units	S.C. mS/cm	Turbidity NTU	DO mg/l	ORP mV
Method: Teflon Bailer	1246	-	WHITE	23.28	4.34	0.074	>999	3.33	130.3

LOW FLOW PURGE DATA

Date: 9/19/06	Time	DTW	Volume	Temp (°C)	pH	S.C.	Turbidity	DO	ORP
Method: Teflon Bailer	1229	-	2	23.62	4.35	0.076	>999	3.30	198.4
Monitor data: 0.0	1231	-	4	23.39	4.35	0.076	>999	3.54	176.4
Well Casing Diameter: 2"	1233	-	6	23.34	4.34	0.075	>999	3.31	167.0
Well Casing Material: PVC	1235	-	8	23.32	4.36	0.075	>999	3.32	158.1
Total Well Depth (ft): 32.47	1237	-	10	23.27	4.36	0.074	>999	3.41	157.1
Static Water Level (ft): 23.22	1239	-	12	23.27	4.36	0.075	>999	3.38	152.1
One Casing Volume(gal/L): 5.7	1241	-	14	23.30	4.35	0.074	>999	3.41	146.2
Start Purge (hrs): 1229	1243	-	16	23.32	4.35	0.074	>999	3.30	135.9
End Purge (hrs): 1245	1245	-	18	23.28	4.34	0.074	>999	3.33	130.3
Total Purge Time (min): 16									
Total Vol. Purged (gal/L): 18									

SAMPLE COLLECTION INFORMATION

Analysis		Preservative	Container Requirements	Collected
VOCs	SW846, 8260B	HCl	3-40ml vials	✓
PAH	SW846, 8310	None	1 ~~2~~-1L Amber	✓

OBSERVATIONS / NOTES

Circle if Applicable:
MS/MSD
Duplicate ID No.:

Signature(s): Terry Cottenoir

Tetra Tech NUS, Inc. **GROUNDWATER SAMPLE LOG SHEET**

Project Site Name: **Ocala F-18 Crash Site**
Project No.: **112GN4117.LE0050175**
CTO 213

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: CEF-CS10-03
Sample Location: MW-CEF-CS10
Sampled By: T. COTTENOIR & S. MCGUIRE
C.O.C. No.: 3395
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA

Date: 9/19/06 Time: 1311	Time	Drawdown DTW	Color Visual	Temp. °C	pH Std. Units	S.C. mS/cm	Turbidity NTU	DO mg/l	ORP mV
Method: Teflon Bailer	1311	-	BROWN	23.58	4.50	0.056	>999	4.06	144.8

LOW FLOW PURGE DATA

Date: 9/19/06	Time	DTW	Volume	Temp (°C)	pH	S.C.	Turbidity	DO	ORP
Method: Teflon Bailer	1254	-	2	23.99	4.56	0.056	>999	4.55	149.0
Monitor data: 0.0	1256	-	4	23.88	4.57	0.058	>999	4.65	148.8
Well Casing Diameter: 2"	1258	-	6	23.81	4.56	0.057	>999	4.78	147.6
Well Casing Material: PVC	1300	-	8	23.78	4.54	0.057	>999	3.67	148.1
Total Well Depth (ft): 32.75	1302	-	10	23.76	4.51	0.057	>999	4.04	149.0
Static Water Level (ft): 23.65	1304	-	12	23.68	4.51	0.056	>999	4.00	146.7
One Casing Volume(gal/L): 5.6	1306	-	14	23.63	4.51	0.056	>999	4.13	146.2
Start Purge (hrs): 1254	1308	-	16	23.59	4.50	0.056	>999	4.09	145.6
End Purge (hrs): 1310	1310	-	18	23.58	4.50	0.056	>999	4.06	144.8
Total Purge Time (min): 16									
Total Vol. Purged (gal/L): 18									

SAMPLE COLLECTION INFORMATION

Analysis		Preservative	Container Requirements	Collected
VOCs	SW846, 8260B	HCl	3-40ml vials	✓
PAH	SW846, 8310	None	1 ~~2~~-1L Amber	✓

OBSERVATIONS / NOTES

Circle if Applicable:
MS/MSD
Duplicate ID No.:

Signature(s): Terry Cottenoir

Tetra Tech NUS, Inc. **GROUNDWATER SAMPLE LOG SHEET**

Project Site Name: **Ocala F-18 Crash Site**
Project No.: **112GN4117.LE0050175**
CTO 213

[ ] Domestic Well Data
[X] Monitoring Well Data
[ ] Other Well Type:
[ ] QA Sample Type:

Sample ID No.: **CEF-CS1A-03**
Sample Location: **MW-CEF-CS1A**
Sampled By: T. Cottenoir & S. McGuire
C.O.C. No.: 3395
Type of Sample:
[X] Low Concentration
[ ] High Concentration

SAMPLING DATA

Date: 9/19/06 Time: 1341	Time	Drawdown DTW	Color Visual	Temp. °C	pH Std. Units	S.C. mS/cm	Turbidity NTU	DO mg/l	ORP mV
Method: Teflon Bailer	1341	-	CLEAR	23.50	6.20	0.311	11.6	1.73	-53.7

LOW FLOW PURGE DATA

Date: 9/19/06	Time	DTW	Volume	Temp (°C)	pH	S.C.	Turbidity	DO	ORP
Method: Teflon Bailer	1326	-	2	23.79	6.13	0.294	16.5	0.92	-91.4
Monitor data: 0.0	1328	-	4	23.76	6.17	0.303	14.8	1.15	-79.9
Well Casing Diameter: 2"	1330	-	6	23.57	6.16	0.308	14.9	1.48	-65.0
Well Casing Material: PVC	1332	-	8	23.52	6.18	0.308	15.2	1.56	-57.6
Total Well Depth (ft): 31.0	1334	-	10	23.58	6.19	0.310	14.6	1.66	-55.3
Static Water Level (ft): 22.72	1336	-	12	23.55	6.19	0.310	13.7	1.70	-53.8
One Casing Volume(gal/L): 5.13	1338	-	14	23.52	6.19	0.311	12.3	1.72	-54.6
Start Purge (hrs): 1326	1340	-	16	23.50	6.20	0.311	11.6	1.73	-53.7
End Purge (hrs): 1340									
Total Purge Time (min): 14									
Total Vol. Purged (gal/L): 16									

SAMPLE COLLECTION INFORMATION

Analysis		Preservative	Container Requirements	Collected
VOCs	SW846, 8260B	**HCl**	**3-40ml vials**	✓
PAH	SW846, 8310	**None**	**1 ~~2~~-1L Amber**	✓

OBSERVATIONS / NOTES

Circle if Applicable:

MS/MSD

Duplicate ID No.: CEF-DU01-03

Signature(s): Terry Cottenoir

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER 3395 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112GN4117	OCALA CRASH SITE	MARK PETERSON	(904)636-6125	ENCO

SAMPLERS (SIGNATURE)	FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Terry Cottenoir	TERRY COTTENOIR	(904)636-6125	4810 EXECUTIVE PARK CT, STE 211
	CARRIER/WAYBILL NUMBER		CITY, STATE
	DROP-OFF		JACKSONVILLE, FL 32216

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

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: HCL None

DATE YEAR 2006	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: VOCs / 8260B	PAHs / 8310							COMMENTS
9/19	0000	CEF-DU01-03				GW	G	4	X	X							Cool to 4°C
	1218	CEF-CS3-03						4	X	X							
	1246	CEF-CS8-03						4	X	X							
	1311	CEF-CS10-03						4	X	X							
	1341	CEF-CS1A-03						4	X	X							

TC

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Terry Cottenoir	9/19/06	1640	1. RECEIVED BY [illegible]	9/19/06	1640
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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4/02R
FORM NO. TtNUS-001

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

Southeast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

09/07/06

Technical Report for

Tetra Tech NUS

Ocala F-18 Crash site CTO209

N4093, WR#1006829

Accutest Job Number: F39316

Sampling Date: 03/15/06

Report to:

Tetra-Tech,Inc.

wes.harden@ttnus.com

ATTN: Joe Samchuck

Total number of pages in report: 60

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Sample Summary

Tetra Tech NUS

Job No: F39316

Ocala F-18 Crash site CTO209
Project No: N4093, WR#1006829

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F39316-1	03/15/06	13:15 SM	03/17/06	AQ	Ground Water	CEF-CS10-02
F39316-2	03/15/06	14:00 SM	03/17/06	AQ	Ground Water	CEF-CS8-02
F39316-3	03/15/06	15:16 SM	03/17/06	AQ	Ground Water	CEF-CS3-02
F39316-4	03/15/06	16:00 SM	03/17/06	AQ	Ground Water	CEF-CS1A-02
F39316-5	03/15/06	00:00 SM	03/17/06	AQ	Ground Water	CEF-CS-GW-DU01

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Tetra Tech NUS **Job No:** F39316

Site: Ocala F 18 Crash site CTO209 **Report Date:** 4/4/2006 3:43:26 PM

5 Samples were collected on 03/15/2006 and were received at Accutest on 03/17/2006 properly preserved, at 3.4 Deg. C and intact. These Samples received an Accutest job number of F39316. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS by Method SW846 8260B

Matrix: AQ **Batch ID:** VC1619

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F39316-1MS, F39316-1MSD were used as the QC samples indicated.

F39316-4: Confirmation run.

Matrix: AQ **Batch ID:** VC1620

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F39422-27MS, F39422-27MSD were used as the QC samples indicated.

F39316-4: Sample re-analyzed beyond hold time; reported results are considered minimum values.

Extractables by GC by Method SW846 8310

Matrix: AQ **Batch ID:** OP16066

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F39314-1MS, F39314-1MSD were used as the QC samples indicated.

F39316-4, F39316-5: All hits confirmed by spectral match using a diode array detector.

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

Narrative prepared by:

Date: April 4, 2006

Ellen Pampel, Inorganic QA (signature on file)

Tuesday, April 04, 2006

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	CEF-CS10-02		
Lab Sample ID:	F39316-1	Date Sampled:	03/15/06
Matrix:	AQ - Ground Water	Date Received:	03/17/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Ocala F-18 Crash site CTO209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0039838.D	1	03/29/06	JG	n/a	n/a	VC1619
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	92%		73-126%
2037-26-5	Toluene-D8	109%		86-112%
460-00-4	4-Bromofluorobenzene	104%		83-119%

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

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

Report of Analysis

Client Sample ID:	CEF-CS10-02		
Lab Sample ID:	F39316-1	Date Sampled:	03/15/06
Matrix:	AQ - Ground Water	Date Received:	03/17/06
Method:	SW846 8310 SW846 3510C	Percent Solids:	n/a
Project:	Ocala F-18 Crash site CTO209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP012202.D	1	03/23/06	MRE	03/20/06	OP16066	GPP419
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.10 U	0.20	0.10	ug/l	
91-20-3	Naphthalene	1.0 U	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	0.51 U	2.0	0.51	ug/l	
91-57-6	2-Methylnaphthalene	0.51 U	2.0	0.51	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		36-114%
92-94-4	p-Terphenyl	76%		31-121%

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

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

Report of Analysis

Client Sample ID:	CEF-CS8-02		
Lab Sample ID:	F39316-2	Date Sampled:	03/15/06
Matrix:	AQ - Ground Water	Date Received:	03/17/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Ocala F-18 Crash site CTO209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0039839.D	1	03/29/06	JG	n/a	n/a	VC1619
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	93%		73-126%
2037-26-5	Toluene-D8	108%		86-112%
460-00-4	4-Bromofluorobenzene	100%		83-119%

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

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

Report of Analysis

Client Sample ID:	CEF-CS8-02		
Lab Sample ID:	F39316-2	Date Sampled:	03/15/06
Matrix:	AQ - Ground Water	Date Received:	03/17/06
Method:	SW846 8310 SW846 3510C	Percent Solids:	n/a
Project:	Ocala F-18 Crash site CTO209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP012203.D	1	03/23/06	MRE	03/20/06	OP16066	GPP419
Run #2							

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.10 U	0.21	0.10	ug/l	
91-20-3	Naphthalene	1.0 U	2.1	1.0	ug/l	
90-12-0	1-Methylnaphthalene	0.52 U	2.1	0.52	ug/l	
91-57-6	2-Methylnaphthalene	0.52 U	2.1	0.52	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		36-114%
92-94-4	p-Terphenyl	76%		31-121%

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

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

Report of Analysis

Client Sample ID:	CEF-CS3-02		
Lab Sample ID:	F39316-3	Date Sampled:	03/15/06
Matrix:	AQ - Ground Water	Date Received:	03/17/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Ocala F-18 Crash site CTO209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0039840.D	1	03/29/06	JG	n/a	n/a	VC1619
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	93%		73-126%
2037-26-5	Toluene-D8	108%		86-112%
460-00-4	4-Bromofluorobenzene	102%		83-119%

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

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

Report of Analysis

Client Sample ID:	CEF-CS3-02		
Lab Sample ID:	F39316-3	Date Sampled:	03/15/06
Matrix:	AQ - Ground Water	Date Received:	03/17/06
Method:	SW846 8310 SW846 3510C	Percent Solids:	n/a
Project:	Ocala F-18 Crash site CTO209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PP012204.D	1	03/23/06	MRE	03/20/06	OP16066	GPP419
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.097 U	0.19	0.097	ug/l	
91-20-3	Naphthalene	0.97 U	1.9	0.97	ug/l	
90-12-0	1-Methylnaphthalene	0.49 U	1.9	0.49	ug/l	
91-57-6	2-Methylnaphthalene	0.49 U	1.9	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		36-114%
92-94-4	p-Terphenyl	73%		31-121%

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

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

Report of Analysis

Client Sample ID:	CEF-CS1A-02		
Lab Sample ID:	F39316-4	Date Sampled:	03/15/06
Matrix:	AQ - Ground Water	Date Received:	03/17/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Ocala F-18 Crash site CTO209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	C0039869.D	1	03/30/06	JG	n/a	n/a	VC1620
Run #2 [b]	C0039849.D	50	03/29/06	JG	n/a	n/a	VC1619

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

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.80	1.0	0.50	ug/l	I
95-63-6	1,2,4-Trimethylbenzene	73.6	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	93%	95%	73-126%
2037-26-5	Toluene-D8	99%	107%	86-112%
460-00-4	4-Bromofluorobenzene	88%	93%	83-119%

(a) Sample re-analyzed beyond hold time; reported results are considered minimum values.
(b) Confirmation run.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit = PQL
L = Indicates value exceeds calibration range
I = Result >= MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CEF-CS1A-02		
Lab Sample ID:	F39316-4	Date Sampled:	03/15/06
Matrix:	AQ - Ground Water	Date Received:	03/17/06
Method:	SW846 8310 SW846 3510C	Percent Solids:	n/a
Project:	Ocala F-18 Crash site CTO209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP012205.D	1	03/23/06	MRE	03/20/06	OP16066	GPP419
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.10 U	0.20	0.10	ug/l	
91-20-3	Naphthalene	9.6	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	21.1	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	20.4	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		36-114%
92-94-4	p-Terphenyl	75%		31-121%

(a) All hits confirmed by spectral match using a diode array detector.

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

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

Report of Analysis

Client Sample ID:	CEF-CS-GW-DU01		
Lab Sample ID:	F39316-5	Date Sampled:	03/15/06
Matrix:	AQ - Ground Water	Date Received:	03/17/06
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Ocala F-18 Crash site CTO209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0039841.D	1	03/29/06	JG	n/a	n/a	VC1619
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.69	1.0	0.50	ug/l	I
95-63-6	1,2,4-Trimethylbenzene	75.7	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.0 U	2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	93%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	84%		83-119%

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

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

Report of Analysis

Client Sample ID:	CEF-CS-GW-DU01		
Lab Sample ID:	F39316-5	Date Sampled:	03/15/06
Matrix:	AQ - Ground Water	Date Received:	03/17/06
Method:	SW846 8310 SW846 3510C	Percent Solids:	n/a
Project:	Ocala F-18 Crash site CTO209		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	PP012206.D	1	03/23/06	MRE	03/20/06	OP16066	GPP419
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	0.10 U	0.20	0.10	ug/l	
91-20-3	Naphthalene	8.5	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	18.8	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	17.6	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		36-114%
92-94-4	p-Terphenyl	77%		31-121%

(a) All hits confirmed by spectral match using a diode array detector.

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

(1) Cooler 1 COC

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 1352 F39316

PAGE 1 OF 1

PROJECT NO: N4093 CTO 209	FACILITY: Ocala	PROJECT MANAGER: Allen Pate	PHONE NUMBER: 904-636-6125	LABORATORY NAME AND CONTACT: Accutest Heather Wardrey
SAMPLERS (SIGNATURE): S. McGuire		FIELD OPERATIONS LEADER: S. McGuire	PHONE NUMBER: 813-424-6382	ADDRESS: 4405 Vineland Rd
		CARRIER/WAYBILL NUMBER		CITY, STATE: Orlando, FL 32811

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

CONTAINER TYPE PLASTIC (P) or GLASS (G)
PRESERVATIVE USED
TYPE OF ANALYSIS

	DATE YEAR 2006	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, DC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	SW-846 8260B (VOC)	SW-846 8310 (PAH)	COMMENTS
1	3/15	1315	CEF-CS10-02				GW	G	5	3	2	
2	3/15	1400	CEF-CS8-02				GW	G	5	3	2	
3	3/15	1516	CEF-CS3-02				GW	G	5	3	2	
4	3/15	1600	CEF-CS1A-02				GW	G	5	3	2	
5	3/15	0000	CEF-CS-GW-DU01				GW	G	5	3	2	

1. RELINQUISHED BY: Scott R. McGuire	DATE 3/16/06	TIME	1. RECEIVED BY: Louis Accutest 3/16/6 3:45P	DATE	TIME
2. RELINQUISHED BY: AISE Courier	DATE	TIME	2. RECEIVED BY: [signature]	DATE 03/17/06	TIME 0800
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS 3.4°

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

4/02R

4.1 4

F39316: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F39316 CLIENT: TTNES PROJECT: Ocala

DATE/TIME RECEIVED: 03/17/06-0800 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.4°

METHOD OF DELIVERY: FEDEX UPS (ACCUTEST COURIER) GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] NO COC RECEIVED
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] CORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ?

NUMBER OF 5035 FIELD KITS ?

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 03/17/06 TECHNICIAN SIGNATURE/DATE

ASBD05/22/05

4.1

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F39316: Chain of Custody
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ACCUTEST Laboratories F39316

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1619-MB	C0039835.D	1	03/29/06	JG	n/a	n/a	VC1619

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

F39316-1, F39316-2, F39316-3, F39316-5

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	93%	73-126%
2037-26-5	Toluene-D8	108%	86-112%
460-00-4	4-Bromofluorobenzene	110%	83-119%

Method Blank Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1620-MB	C0039865.D	1	03/30/06	JG	n/a	n/a	VC1620

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

F39316-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	95%	73-126%
2037-26-5	Toluene-D8	107%	86-112%
460-00-4	4-Bromofluorobenzene	101%	83-119%

Blank Spike Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1619-BS	C0039834.D	1	03/29/06	JG	n/a	n/a	VC1619

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

F39316-1, F39316-2, F39316-3, F39316-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	21.9	88	80-120
95-63-6	1,2,4-Trimethylbenzene	25	26.0	104	77-119
108-67-8	1,3,5-Trimethylbenzene	25	27.2	109	81-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	100%	73-126%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	95%	83-119%

Blank Spike Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1620-BS	C0039864.D	1	03/30/06	JG	n/a	n/a	VC1620

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

F39316-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	21.8	87	80-120
95-63-6	1,2,4-Trimethylbenzene	25	26.0	104	77-119
108-67-8	1,3,5-Trimethylbenzene	25	27.4	110	81-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	86-115%
17060-07-0	1,2-Dichloroethane-D4	101%	73-126%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	94%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F39316-1MS	C0039850.D	1	03/29/06	JG	n/a	n/a	VC1619
F39316-1MSD	C0039851.D	1	03/29/06	JG	n/a	n/a	VC1619
F39316-1	C0039838.D	1	03/29/06	JG	n/a	n/a	VC1619

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

F39316-1, F39316-2, F39316-3, F39316-5

CAS No.	Compound	F39316-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0 U		25	20.5	82	21.0	84	2	72-125/7
95-63-6	1,2,4-Trimethylbenzene	2.0 U		25	23.6	94	24.0	96	2	68-122/10
108-67-8	1,3,5-Trimethylbenzene	2.0 U		25	24.3	97	25.1	100	3	70-125/9

CAS No.	Surrogate Recoveries	MS	MSD	F39316-1	Limits
1868-53-7	Dibromofluoromethane	99%	98%	99%	86-115%
17060-07-0	1,2-Dichloroethane-D4	100%	100%	92%	73-126%
2037-26-5	Toluene-D8	100%	100%	109%	86-112%
460-00-4	4-Bromofluorobenzene	88%	87%	104%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F39422-27MS	C0039873.D	1	03/30/06	JG	n/a	n/a	VC1620
F39422-27MSD	C0039874.D	1	03/30/06	JG	n/a	n/a	VC1620
F39422-27	C0039872.D	1	03/30/06	JG	n/a	n/a	VC1620

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

F39316-4

CAS No.	Compound	F39422-27 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	20.7	83	20.5	82	1	72-125/7
95-63-6	1,2,4-Trimethylbenzene	ND		25	24.5	98	23.9	96	2	68-122/10
108-67-8	1,3,5-Trimethylbenzene	ND		25	25.0	100	24.5	98	2	70-125/9

CAS No.	Surrogate Recoveries	MS	MSD	F39422-27	Limits
1868-53-7	Dibromofluoromethane	98%	99%	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	97%	98%	92%	73-126%
2037-26-5	Toluene-D8	99%	102%	107%	86-112%
460-00-4	4-Bromofluorobenzene	89%	90%	97%	83-119%

Instrument Performance Check (BFB)

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample:	VC1610-BFB	Injection Date:	03/20/06
Lab File ID:	C0039579.D	Injection Time:	09:36
Instrument ID:	GCMSC		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	24264	24.4		Pass
75	30.0 - 60.0% of mass 95	42997	43.2		Pass
95	Base peak, 100% relative abundance	99469	100.0		Pass
96	5.0 - 9.0% of mass 95	6218	6.3		Pass
173	Less than 2.0% of mass 174	436	0.44	(0.57) [a]	Pass
174	50.0 - 100.0% of mass 95	76914	77.3		Pass
175	5.0 - 9.0% of mass 174	5788	5.8	(7.5) [a]	Pass
176	95.0 - 101.0% of mass 174	75858	76.3	(98.6) [a]	Pass
177	5.0 - 9.0% of mass 176	4899	4.9	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VC1610-IC1610	C0039582.D	03/20/06	11:21	01:45	Initial cal 1
VC1610-IC1610	C0039583.D	03/20/06	11:48	02:12	Initial cal 2
VC1610-IC1610	C0039584.D	03/20/06	12:16	02:40	Initial cal 3
VC1610-ICC1610	C0039585.D	03/20/06	12:44	03:08	Initial cal 4
VC1610-IC1610	C0039586.D	03/20/06	13:11	03:35	Initial cal 5
VC1610-IC1610	C0039587.D	03/20/06	13:38	04:02	Initial cal 6
VC1610-ICV1610	C0039588.D	03/20/06	14:18	04:42	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample:	VC1619-BFB	Injection Date:	03/29/06
Lab File ID:	C0039832.D	Injection Time:	10:21
Instrument ID:	GCMSC		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	21762	25.0		Pass
75	30.0 - 60.0% of mass 95	38792	44.6		Pass
95	Base peak, 100% relative abundance	87016	100.0		Pass
96	5.0 - 9.0% of mass 95	6171	7.1		Pass
173	Less than 2.0% of mass 174	433	0.5	(0.55) [a]	Pass
174	50.0 - 100.0% of mass 95	78357	90.0		Pass
175	5.0 - 9.0% of mass 174	5451	6.3	(7.0) [a]	Pass
176	95.0 - 101.0% of mass 174	74517	85.6	(95.1) [a]	Pass
177	5.0 - 9.0% of mass 176	4878	5.6	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VC1619-CC1610	C0039833.D	03/29/06	10:40	00:19	Continuing cal 4
VC1619-BS	C0039834.D	03/29/06	11:20	00:59	Blank Spike
VC1619-MB	C0039835.D	03/29/06	11:47	01:26	Method Blank
ZZZZZZ	C0039837.D	03/29/06	12:44	02:23	(unrelated sample)
F39316-1	C0039838.D	03/29/06	13:11	02:50	CEF-CS10-02
F39316-2	C0039839.D	03/29/06	13:38	03:17	CEF-CS8-02
F39316-3	C0039840.D	03/29/06	14:05	03:44	CEF-CS3-02
F39316-5	C0039841.D	03/29/06	14:33	04:12	CEF-CS-GW-DU01
ZZZZZZ	C0039843.D	03/29/06	15:27	05:06	(unrelated sample)
ZZZZZZ	C0039844.D	03/29/06	15:55	05:34	(unrelated sample)
ZZZZZZ	C0039845.D	03/29/06	16:22	06:01	(unrelated sample)
ZZZZZZ	C0039846.D	03/29/06	16:49	06:28	(unrelated sample)
ZZZZZZ	C0039847.D	03/29/06	17:16	06:55	(unrelated sample)
ZZZZZZ	C0039848.D	03/29/06	17:43	07:22	(unrelated sample)
F39316-4	C0039849.D	03/29/06	18:10	07:49	CEF-CS1A-02
F39316-1MS	C0039850.D	03/29/06	18:37	08:16	Matrix Spike
F39316-1MSD	C0039851.D	03/29/06	19:04	08:43	Matrix Spike Duplicate
ZZZZZZ	C0039854.D	03/29/06	20:26	10:05	(unrelated sample)
ZZZZZZ	C0039855.D	03/29/06	20:53	10:32	(unrelated sample)
ZZZZZZ	C0039856.D	03/29/06	21:20	10:59	(unrelated sample)
ZZZZZZ	C0039857.D	03/29/06	21:47	11:26	(unrelated sample)
ZZZZZZ	C0039858.D	03/29/06	22:14	11:53	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample:	VC1620-BFB	Injection Date:	03/30/06
Lab File ID:	C0039862.D	Injection Time:	13:28
Instrument ID:	GCMSC		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	29701	25.6		Pass
75	30.0 - 60.0% of mass 95	50512	43.5		Pass
95	Base peak, 100% relative abundance	116186	100.0		Pass
96	5.0 - 9.0% of mass 95	8519	7.3		Pass
173	Less than 2.0% of mass 174	641	0.55	(0.61) [a]	Pass
174	50.0 - 100.0% of mass 95	104618	90.0		Pass
175	5.0 - 9.0% of mass 174	7612	6.6	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	102306	88.1	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	6374	5.5	(6.2) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VC1620-CC1610	C0039863.D	03/30/06	13:44	00:16	Continuing cal 4
VC1620-BS	C0039864.D	03/30/06	14:16	00:48	Blank Spike
VC1620-MB	C0039865.D	03/30/06	14:43	01:15	Method Blank
ZZZZZZ	C0039866.D	03/30/06	15:10	01:42	(unrelated sample)
ZZZZZZ	C0039867.D	03/30/06	15:37	02:09	(unrelated sample)
ZZZZZZ	C0039868.D	03/30/06	16:05	02:37	(unrelated sample)
F39316-4	C0039869.D	03/30/06	16:32	03:04	CEF-CSIA-02
ZZZZZZ	C0039870.D	03/30/06	16:59	03:31	(unrelated sample)
ZZZZZZ	C0039871.D	03/30/06	17:26	03:58	(unrelated sample)
F39422-27	C0039872.D	03/30/06	17:53	04:25	(used for QC only; not part of job F39316)
F39422-27MS	C0039873.D	03/30/06	18:20	04:52	Matrix Spike
F39422-27MSD	C0039874.D	03/30/06	18:47	05:19	Matrix Spike Duplicate
ZZZZZZ	C0039875.D	03/30/06	19:14	05:46	(unrelated sample)
ZZZZZZ	C0039876.D	03/30/06	19:41	06:13	(unrelated sample)
ZZZZZZ	C0039877.D	03/30/06	20:09	06:41	(unrelated sample)
ZZZZZZ	C0039881.D	03/30/06	21:58	08:30	(unrelated sample)
ZZZZZZ	C0039883.D	03/30/06	22:52	09:24	(unrelated sample)
ZZZZZZ	C0039884.D	03/30/06	23:19	09:51	(unrelated sample)
ZZZZZZ	C0039885.D	03/30/06	23:46	10:18	(unrelated sample)
ZZZZZZ	C0039887.D	03/31/06	00:41	11:13	(unrelated sample)
ZZZZZZ	C0039888.D	03/31/06	01:08	11:40	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Check Std:	VC1619-CC1610	Injection Date:	03/29/06
Lab File ID:	C0039833.D	Injection Time:	10:40
Instrument ID:	GCMSC	Method:	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	1745216	10.23	1350192	13.46	549495	16.01	135558	7.46
Upper Limit [a]	3490432	10.73	2700384	13.96	1098990	16.51	271116	7.96
Lower Limit [b]	872608	9.73	675096	12.96	274748	15.51	67779	6.96

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VC1619-BS	1806958	10.23	1338483	13.46	509085	16.01	146772	7.46
VC1619-MB	1514996	10.23	1036939	13.47	346201	16.01	119753	7.46
ZZZZZZ	1855299	10.23	1266982	13.47	377187	16.01	133542	7.47
F39316-1	1739627	10.23	1158431	13.47	342093	16.02	127680	7.46
F39316-2	1715437	10.23	1143000	13.47	345087	16.01	124881	7.46
F39316-3	1584468	10.23	1071650	13.47	326096	16.02	114238	7.47
F39316-5	1604659	10.23	1225406	13.47	499116	16.01	127151	7.47
ZZZZZZ	1679762	10.23	1136623	13.47	341146	16.01	131819	7.47
ZZZZZZ	1566631	10.23	1069454	13.47	333470	16.02	127991	7.47
ZZZZZZ	1556183	10.23	1072223	13.47	333328	16.01	121646	7.46
ZZZZZZ	1511410	10.23	1044886	13.47	326590	16.01	120793	7.47
ZZZZZZ	1413544	10.23	979783	13.47	303873	16.01	116153	7.47
ZZZZZZ	1388780	10.23	947978	13.47	297368	16.02	111690	7.47
F39316-4 [c]	1360105	10.23	926353	13.47	307229	16.01	104857	7.48
F39316-1MS	1584276	10.23	1226407	13.47	506810	16.01	119158	7.46
F39316-1MSD	1589900	10.23	1223498	13.47	504927	16.01	124987	7.46
ZZZZZZ	1400366	10.23	973952	13.47	295588	16.02	120518	7.47
ZZZZZZ	1446248	10.23	1017967	13.47	326210	16.01	114875	7.47
ZZZZZZ	1348121	10.23	949203	13.47	302192	16.01	106099	7.47
ZZZZZZ	1318719	10.23	923888	13.47	290611	16.01	99924	7.47
ZZZZZZ	1279395	10.23	915878	13.47	287855	16.01	96515	7.47

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Confirmation run.

Volatile Internal Standard Area Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Check Std:	VC1620-CC1610	Injection Date:	03/30/06
Lab File ID:	C0039863.D	Injection Time:	13:44
Instrument ID:	GCMSC	Method:	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Check Std	2085309	10.23	1664815	13.47	701735	16.01	167929	7.46
Upper Limit [a]	4170618	10.73	3329630	13.97	1403470	16.51	335858	7.96
Lower Limit [b]	1042655	9.73	832408	12.97	350868	15.51	83965	6.96

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VC1620-BS	2113299	10.23	1598343	13.46	619155	16.01	180605	7.46
VC1620-MB	1851333	10.23	1269987	13.47	392854	16.01	146606	7.47
ZZZZZZ	2012684	10.23	1555633	13.47	680766	16.01	160636	7.46
ZZZZZZ	1962282	10.23	1344493	13.47	437369	16.01	165188	7.47
ZZZZZZ	2014467	10.23	1393866	13.47	446847	16.01	165152	7.46
F39316-4 [c]	1938817	10.23	1496443	13.47	599169	16.01	163136	7.46
ZZZZZZ	1877858	10.23	1265472	13.47	407429	16.02	157108	7.47
ZZZZZZ	1813286	10.23	1250046	13.47	398816	16.01	150183	7.47
F39422-27	1745750	10.23	1217468	13.47	408760	16.01	139665	7.46
F39422-27MS	1933323	10.23	1497200	13.47	610234	16.01	158609	7.46
F39422-27MSD	2016545	10.23	1512875	13.47	624200	16.01	155523	7.46
ZZZZZZ	1821264	10.23	1244843	13.47	383679	16.02	153180	7.47
ZZZZZZ	1710347	10.23	1179105	13.47	363291	16.01	137509	7.47
ZZZZZZ	1631424	10.23	1122103	13.47	352690	16.01	128689	7.47
ZZZZZZ	1353598	10.23	1008415	13.47	354043	16.01	104264	7.47
ZZZZZZ	1299956	10.23	901666	13.47	285196*	16.01	102516	7.47
ZZZZZZ	1312568	10.23	997528	13.47	375507	16.01	111209	7.46
ZZZZZZ	1384799	10.23	1058052	13.47	408152	16.01	117923	7.46
ZZZZZZ	1358460	10.23	1016460	13.47	359514	16.01	106518	7.46
ZZZZZZ	1315107	10.23	983445	13.47	353905	16.01	98761	7.46

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Upper Limit = +100% of check standard area; Retention time +0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Sample re-analyzed beyond hold time; reported results are considered minimum values.

Volatile Surrogate Recovery Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Method: SW846 8260B Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
F39316-1	C0039838.D	99.0	92.0	109.0	104.0
F39316-2	C0039839.D	100.0	93.0	108.0	100.0
F39316-3	C0039840.D	101.0	93.0	108.0	102.0
F39316-4	C0039849.D	101.0	95.0	107.0	93.0
F39316-4	C0039869.D	99.0	93.0	99.0	88.0
F39316-5	C0039841.D	100.0	93.0	99.0	84.0
F39316-1MS	C0039850.D	99.0	100.0	100.0	88.0
F39316-1MSD	C0039851.D	98.0	100.0	100.0	87.0
F39422-27MS	C0039873.D	98.0	97.0	99.0	89.0
F39422-27MSD	C0039874.D	99.0	98.0	102.0	90.0
VC1619-BS	C0039834.D	100.0	100.0	105.0	95.0
VC1619-MB	C0039835.D	102.0	93.0	108.0	110.0
VC1620-BS	C0039864.D	98.0	101.0	102.0	94.0
VC1620-MB	C0039865.D	102.0	95.0	107.0	101.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	86-115%
S2 = 1,2-Dichloroethane-D4	73-126%
S3 = Toluene-D8	86-112%
S4 = 4-Bromofluorobenzene	83-119%

Initial Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1610-ICC1610
Lab FileID: C0039585.D

Response Factor Report MSVOA5

Method : C:\MSDCHEM\2\METHODS\8260C.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Mar 20 14:03:26 2006
Response via : Initial Calibration

Calibration Files
1 =C0039582.D 2 =C0039583.D 3 =C0039584.D 4 =C0039585.D
5 =C0039586.D 6 =C0039587.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------							
2)		Dichlorodifluoromet	0.347	0.379	0.305	0.309	0.307	0.311	0.326	9.25
3)	P	Chloromethane	0.640	0.556	0.449	0.440	0.426	0.414	0.487	18.57
4)	C	Vinyl Chloride	0.393	0.398	0.309	0.310	0.288	0.281	0.330	15.83
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
		Response Ratio = 0.00000 + 0.32103 *A + -0.02066 *A^2								
5)		Bromomethane	0.225	0.195	0.149	0.150	0.137	0.126	0.164	23.28
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
		Response Ratio = 0.00000 + 0.16397 *A + -0.01911 *A^2								
6)		Chloroethane	0.170	0.176	0.140	0.134	0.128	0.121	0.145	15.74
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998								
		Response Ratio = 0.00000 + 0.14463 *A + -0.01167 *A^2								
7)		Trichlorofluorometh	0.340	0.396	0.314	0.326	0.322	0.316	0.336	9.23
8)		1,2-Dichlorotrifluo	0.415	0.390	0.340	0.348	0.337	0.315	0.358	10.43
9)		Ethyl ether	0.286	0.325	0.283	0.288	0.292	0.275	0.292	6.01
10)		Acrolein	0.024	0.028	0.030	0.032	0.033	0.033	0.030	12.89
11)		Freon 113	0.348	0.334	0.278	0.296	0.286	0.264	0.301	10.97
12)		Acetone	0.198	0.175	0.138	0.151	0.149	0.131	0.157	15.99
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9972								
		Response Ratio = 0.00000 + 0.16652 *A + -0.00339 *A^2								
13)	C	1,1-Dichloroethene	0.576	0.552	0.494	0.523	0.517	0.489	0.525	6.35
14)		Iodomethane	0.529	0.550	0.485	0.517	0.508	0.491	0.514	4.74
15)		Methyl Acetate	0.288	0.255	0.233	0.249	0.247	0.240	0.252	7.63
16)		Carbon Disulfide	1.098	1.056	0.904	0.933	0.900	0.835	0.954	10.58
17)		Methylene Chloride	0.963	0.706	0.576	0.588	0.576	0.553	0.660	23.94
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9992								
		Response Ratio = 0.00000 + 0.56343 *A								
18)		Acrylonitrile	0.104	0.103	0.112	0.118	0.118	0.114	0.112	6.04
19)		Methyl Tert Butyl E	0.805	0.841	0.762	0.770	0.760	0.723	0.777	5.25
20)		trans-1,2-Dichloroe	0.547	0.540	0.488	0.493	0.483	0.460	0.502	6.81
21)		Hexane	0.570	0.569	0.509	0.533	0.523	0.496	0.533	5.77
22)		Vinyl acetate	0.502	0.558	0.606	0.590	0.564	0.546	0.561	6.43
23)		Di-isopropyl ether	1.385	1.432	1.322	1.317	1.247	1.176	1.313	7.02
24)	P	1,1-Dichloroethane	0.673	0.635	0.565	0.556	0.523	0.485	0.573	12.20
25)		ETBE	0.967	1.006	0.924	0.951	0.948	0.918	0.952	3.35
26)		2-Butanone	0.196	0.193	0.171	0.186	0.189	0.185	0.186	4.68
27)		cis-1,2-Dichloroeth	0.354	0.374	0.337	0.339	0.323	0.301	0.338	7.43
28)		2,2-Dichloropropane	0.329	0.335	0.305	0.305	0.297	0.274	0.307	7.21
29)		Bromochloromethane	0.159	0.172	0.171	0.172	0.165	0.156	0.166	4.14
30)	C	Chloroform	0.543	0.531	0.489	0.488	0.475	0.451	0.496	7.02
31)		Tetrahydrofuran	0.084	0.112	0.101	0.105	0.105	0.105	0.102	9.26

Initial Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1610-ICC1610
Lab FileID: C0039585.D

32)	S	Dibromofluoromethan	0.253	0.252	0.259	0.258	0.260	0.260	0.257	1.35
33)		1,1,1-Trichloroetha	0.451	0.439	0.404	0.424	0.411	0.399	0.421	4.82
34)		Cyclohexane	0.747	0.683	0.643	0.671	0.661	0.639	0.674	5.85
35)		1,1-Dichloropropene	0.541	0.417	0.374	0.385	0.376	0.352	0.407	16.86
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9978								
		Response Ratio = 0.00000 + 0.36255 *A								
36)		Carbon Tetrachlorid	0.494	0.363	0.343	0.362	0.364	0.353	0.380	14.86
37)	S	1,2-Dichloroethane-	0.277	0.276	0.288	0.279	0.279	0.288	0.281	1.97
38)		1,2-Dichloroethane	0.503	0.475	0.434	0.438	0.425	0.412	0.448	7.65
39)		Benzene	1.464	1.317	1.191	1.157	1.054	0.946	1.188	15.55
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999								
		Response Ratio = 0.00000 + 1.29166 *A + -0.17240 *A^2								
40)		TAME	0.879	0.866	0.802	0.808	0.756	0.703	0.802	8.28
41)		Trichloroethene	0.345	0.331	0.299	0.305	0.303	0.284	0.311	7.21
42)	C	1,2-Dichloropropane	0.368	0.399	0.353	0.352	0.329	0.302	0.350	9.51
43)		Methylcyclohexane	0.554	0.543	0.480	0.496	0.470	0.426	0.495	9.62
44)		Dibromomethane	0.179	0.187	0.182	0.189	0.188	0.179	0.184	2.47
45)		Bromodichloromethan	0.389	0.431	0.408	0.417	0.413	0.399	0.410	3.59
46)		2-Nitropropane	0.060	0.076	0.079	0.087	0.089	0.088	0.080	14.11
47)		2-Chloroethyl vinyl	0.112	0.147	0.153	0.160	0.150	0.140	0.144	11.64
48)		cis-1,3-Dichloropro	0.465	0.479	0.480	0.503	0.493	0.472	0.482	2.85
49)		4-Methyl-2-pentanon	0.294	0.355	0.327	0.342	0.338	0.319	0.329	6.47
50)	I	Chlorobenzene-d5	----------ISTD----------							
51)	S	Toluene-d8	1.299	1.276	1.245	1.224	1.203	1.216	1.244	2.99
52)	C	Toluene	1.897	1.818	1.594	1.577	1.465	1.371	1.620	12.48
53)		trans-1,3-Dichlorop	0.441	0.484	0.464	0.487	0.481	0.475	0.472	3.63
54)		1,1,2-Trichloroetha	0.313	0.343	0.294	0.295	0.279	0.266	0.298	9.13
55)		2-hexanone	0.266	0.316	0.279	0.311	0.307	0.283	0.293	6.87
56)		1,3-Dichloropropane	0.586	0.675	0.578	0.564	0.516	0.481	0.567	11.75
57)		Tetrachloroethene	0.471	0.442	0.395	0.396	0.376	0.358	0.406	10.43
58)		Dibromochloromethan	0.356	0.387	0.367	0.391	0.390	0.381	0.379	3.76
59)		1,2-Dibromoethane	0.305	0.364	0.331	0.341	0.340	0.333	0.336	5.65
60)		1-Chlorohexane	0.401	0.481	0.481	0.512	0.494	0.467	0.473	8.09
61)	P	Chlorobenzene	1.120	1.172	1.053	1.056	1.007	0.939	1.058	7.75
62)		1,1,1,2-Tetrachloro	0.374	0.423	0.368	0.360	0.332	0.305	0.360	11.13
63)	C	Ethylbenzene	1.847	1.911	1.731	1.710	1.561	1.408	1.695	10.94
64)		m,p-Xylene	1.320	1.458	1.309	1.287	1.172	1.058	1.267	10.82
65)		o-Xylene	1.290	1.473	1.356	1.316	1.193	1.059	1.281	11.10
66)		Styrene	0.817	1.036	1.046	1.055	0.972	0.873	0.967	10.34
67)	P	Bromoform	0.142	0.207	0.203	0.224	0.237	0.239	0.209	17.16
68)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
69)		Isopropylbenzene	3.981	4.140	3.524	3.577	3.291	3.022	3.589	11.64
70)		Cyclohexanone	0.078	0.049	0.050	0.053	0.053	0.052	0.056	19.55
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9997								
		Response Ratio = 0.00000 + 0.05270 *A								
71)	S	4-Bromofluorobenzen	1.242	1.178	1.122	1.109	1.082	1.081	1.136	5.53
72)	P	1,1,2,2-Tetrachloro	1.164	1.182	0.963	0.941	0.879	0.842	0.995	14.51
73)		trans-1,4-Dichloro-	0.147	0.163	0.172	0.205	0.222	0.234	0.190	18.20
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
		Response Ratio = 0.00000 + 0.18119 *A + 0.02671 *A^2								
74)		1,2,3-Trichloroprop	0.346	0.317	0.266	0.261	0.251	0.245	0.281	14.49
75)		Bromobenzene	1.082	1.129	0.959	0.944	0.849	0.771	0.956	14.17
76)		n-Propylbenzene	4.828	4.981	4.457	4.393	3.967	3.555	4.364	12.20
77)		1,3,5-Trimethylbenz	3.283	3.437	3.116	3.020	2.640	2.396	2.982	13.23

Initial Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1610-ICC1610
Lab FileID: C0039585.D

```
78)      2-Chlorotoluene      3.569 3.703 3.075 2.921 2.554 2.305 3.021  18.18
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 3.26926 *A + -0.48647 *A^2

79)      4-Chlorotoluene      2.987 2.980 2.653 2.660 2.492 2.349 2.687   9.56
80)      tert-Butylbenzene    2.334 2.415 2.069 2.101 1.913 1.783 2.102  11.46
81)      1,2,4-Trimethylbenz  3.003 3.360 3.087 3.144 2.876 2.671 3.024   7.80
82)      sec-Butylbenzene     4.027 4.340 3.916 4.043 3.673 3.402 3.900   8.34
83)      4-Isopropyltoluene   2.802 3.232 3.083 3.176 2.910 2.721 2.987   6.96
84)      1,3-Dichlorobenzene  1.661 1.714 1.590 1.655 1.557 1.470 1.608   5.43
85)      1,4-Dichlorobenzene  1.831 1.765 1.571 1.629 1.536 1.438 1.628   9.03
86)      Benzyl chloride      0.931 1.210 1.235 1.410 1.418 1.399 1.267  14.88
87)      n-Butylbenzene       2.427 2.734 2.583 2.801 2.610 2.438 2.599   5.84
88)      1,2-Dichlorobenzene  1.600 1.749 1.529 1.585 1.487 1.408 1.560   7.44
89)      1,2-Dibromo-3-Chlor  0.094 0.127 0.104 0.114 0.115 0.114 0.111  10.01
90)      1,2,4-Trichlorobenz  0.508 0.598 0.617 0.680 0.696 0.695 0.632  11.63
91)      Hexachlorobutadiene  0.463 0.457 0.397 0.419 0.403 0.396 0.423   7.15
92)      Naphthalene          1.085 1.140 1.207 1.407 1.490 1.556 1.314  14.95
93)      1,2,3-Trichlorobenz  0.485 0.528 0.512 0.566 0.583 0.594 0.545   7.87

94) I    Tert Butyl alcohol-d1 ----------------ISTD---------------------
95)      Tert-Butyl alcohol   1.383 1.564 1.220 1.282 1.242 1.224 1.319  10.17
96)      Tert Amyl Alcohol    0.800 1.024 1.004 1.053 1.038 1.008 0.988   9.52
97)      1,4-Dioxane          0.090 0.144 0.130 0.139 0.137 0.135 0.129  15.41
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9996
               Response Ratio = 0.00000 + 0.13576 *A

---------------------------------------------------------------------------
(#) = Out of Range

          8260C.M            Tue Mar 21 08:24:29 2006
```

Initial Calibration Verification

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1610-ICV1610
Lab FileID: C0039588.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\032006\C0039588.D Vial: 7
Acq On : 20 Mar 2006 2:18 pm Operator: KarenW
Sample : ICV1610-4 Inst : MSVOA5
Misc : ms5839,vc1610,,,,, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\8260C.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Mar 20 14:03:26 2006
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00	10.23
2	Dichlorodifluoromethane	0.326	0.294	9.8	97	0.00	4.57
3 P	Chloromethane	0.487	0.468	3.9	108	0.00	4.92
		Amount	Calc.	%Drift			
4 C	Vinyl Chloride	40.000	41.044	-2.6	103	0.00	5.16
5	Bromomethane	40.000	37.631	5.9	95	0.00	5.75
6	Chloroethane	40.000	39.337	1.7	101	0.00	5.91
		AvgRF	CCRF	%Dev			
7	Trichlorofluoromethane	0.336	0.371	-10.4	116	0.00	6.30
8	1,2-Dichlorotrifluoroetha	0.358	0.357	0.3	105	0.00	6.62
9	Ethyl ether	0.292	0.279	4.5	98	0.00	6.61
10	Acrolein	0.030	0.010	66.7#	31#	0.00	6.81
11	Freon 113	0.301	0.284	5.6	98	0.00	6.98
		Amount	Calc.	%Drift			
12	Acetone	200.000	124.915	37.5#	67	0.00	6.98
		AvgRF	CCRF	%Dev			
13 C	1,1-Dichloroethene	0.525	0.510	2.9	99	0.00	7.01
14	Iodomethane	0.514	0.491	4.5	97	0.00	7.27
15	Methyl Acetate	0.252	0.249	1.2	102	0.00	7.37
16	Carbon Disulfide	0.954	0.908	4.8	99	0.00	7.38
		Amount	Calc.	%Drift			
17	Methylene Chloride	40.000	41.967	-4.9	102	0.00	7.54
		AvgRF	CCRF	%Dev			
18	Acrylonitrile	0.112	0.117	-4.5	101	0.00	7.80
19	Methyl Tert Butyl Ether	0.777	0.774	0.4	102	0.00	7.84
20	trans-1,2-Dichloroethene	0.502	0.492	2.0	102	0.00	7.88
21	Hexane	0.533	0.531	0.4	101	0.00	8.16
22	Vinyl acetate	0.561	0.388	30.8#	67	0.00	8.32
23	Di-isopropyl ether	1.313	1.322	-0.7	102	0.00	8.34
24 P	1,1-Dichloroethane	0.573	0.557	2.8	102	0.00	8.36
25	ETBE	0.952	1.098	-15.3	118	0.00	8.74
26	2-Butanone	0.186	0.157	15.6	86	0.00	8.94
27	cis-1,2-Dichloroethene	0.338	0.316	6.5	95	0.00	8.99
28	2,2-Dichloropropane	0.307	0.317	-3.3	106	0.00	9.01
29	Bromochloromethane	0.166	0.162	2.4	96	0.00	9.26
30 C	Chloroform	0.496	0.498	-0.4	104	0.00	9.30

Initial Calibration Verification

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1610-ICV1610
Lab FileID: C0039588.D

31		Tetrahydrofuran	0.102	0.108	-5.9	105	0.00	9.33
32	S	Dibromofluoromethane	0.257	0.262	-1.9	104	0.00	9.48
33		1,1,1-Trichloroethane	0.421	0.422	-0.2	101	0.00	9.57
34		Cyclohexane	0.674	0.666	1.2	101	0.00	9.67
		----------	Amount	Calc.	%Drift		----------	
35		1,1-Dichloropropene	40.000	42.620	-6.5	102	0.00	9.73
		----------	AvgRF	CCRF	%Dev		----------	
36		Carbon Tetrachloride	0.380	0.379	0.3	107	0.00	9.77
37	S	1,2-Dichloroethane-d4	0.281	0.289	-2.8	105	0.00	9.87
38		1,2-Dichloroethane	0.448	0.447	0.2	104	0.00	9.95
		----------	Amount	Calc.	%Drift		----------	
39		Benzene	40.000	38.363	4.1	98	0.00	9.98
		----------	AvgRF	CCRF	%Dev		----------	
40		TAME	0.802	0.810	-1.0	102	0.00	9.99
41		Trichloroethene	0.311	0.309	0.6	103	0.00	10.62
42	C	1,2-Dichloropropane	0.350	0.340	2.9	98	0.00	10.86
43		Methylcyclohexane	0.495	0.495	0.0	102	0.00	10.86
44		Dibromomethane	0.184	0.191	-3.8	103	0.00	11.00
45		Bromodichloromethane	0.410	0.400	2.4	98	0.00	11.11
46		2-Nitropropane	0.080	0.088	-10.0	102	0.00	11.31
47		2-Chloroethyl vinyl ether	0.144	0.158	-9.7	101	0.00	11.33
48		cis-1,3-Dichloropropene	0.482	0.511	-6.0	104	0.00	11.56
49		4-Methyl-2-pentanone	0.329	0.341	-3.6	102	0.00	11.65
50	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00	13.46
51	S	Toluene-d8	1.244	1.225	1.5	102	0.00	11.89
52	C	Toluene	1.620	1.534	5.3	99	0.00	11.96
53		trans-1,3-Dichloropropene	0.472	0.538	-14.0	112	0.00	12.12
54		1,1,2-Trichloroethane	0.298	0.293	1.7	101	0.00	12.34
55		2-hexanone	0.293	0.267	8.9	87	0.00	12.52
56		1,3-Dichloropropane	0.567	0.555	2.1	100	0.00	12.54
57		Tetrachloroethene	0.406	0.404	0.5	104	0.00	12.57
58		Dibromochloromethane	0.379	0.392	-3.4	102	0.00	12.82
59		1,2-Dibromoethane	0.336	0.352	-4.8	105	0.00	13.00
60		1-Chlorohexane	0.473	0.510	-7.8	101	0.00	13.35
61	P	Chlorobenzene	1.058	1.049	0.9	101	0.00	13.50
62		1,1,1,2-Tetrachloroethane	0.360	0.362	-0.6	102	0.00	13.55
63	C	Ethylbenzene	1.695	1.647	2.8	98	0.00	13.56
64		m,p-Xylene	1.267	1.260	0.6	99	0.00	13.67
65		o-Xylene	1.281	1.329	-3.7	103	0.00	14.13
66		Styrene	0.967	1.032	-6.7	99	0.00	14.13
67	P	Bromoform	0.209	0.238	-13.9	108	0.00	14.41
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	16.01
69		Isopropylbenzene	3.589	3.729	-3.9	105	0.00	14.50
		----------	Amount	Calc.	%Drift		----------	
70		Cyclohexanone	200.000	113.866	43.1#	57	0.00	14.67
		----------	AvgRF	CCRF	%Dev		----------	
71	S	4-Bromofluorobenzene	1.136	1.133	0.3	103	0.00	14.72
72	P	1,1,2,2-Tetrachloroethane	0.995	0.955	4.0	103	0.00	14.79
		----------	Amount	Calc.	%Drift		----------	
73		trans-1,4-Dichloro-2-bute	40.000	48.006	-20.0#	122	0.00	14.84

Initial Calibration Verification

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1610-ICV1610
Lab FileID: C0039588.D

			AvgRF	CCRF	%Dev			
74		1,2,3-Trichloropropane	0.281	0.276	1.8	107	0.00	14.89
75		Bromobenzene	0.956	0.941	1.6	101	0.00	14.95
76		n-Propylbenzene	4.364	4.342	0.5	100	0.00	14.96
77		1,3,5-Trimethylbenzene	2.982	2.977	0.2	100	0.00	15.12
			Amount	Calc.	%Drift			
78		2-Chlorotoluene	40.000	40.493	-1.2	101	0.00	15.12
			AvgRF	CCRF	%Dev			
79		4-Chlorotoluene	2.687	2.655	1.2	101	0.00	15.23
80		tert-Butylbenzene	2.102	2.077	1.2	100	0.00	15.51
81		1,2,4-Trimethylbenzene	3.024	3.038	-0.5	98	0.00	15.55
82		sec-Butylbenzene	3.900	3.985	-2.2	100	0.00	15.75
83		4-Isopropyltoluene	2.987	3.070	-2.8	98	0.00	15.88
84		1,3-Dichlorobenzene	1.608	1.620	-0.7	99	0.00	15.95
85		1,4-Dichlorobenzene	1.628	1.615	0.8	100	0.00	16.04
86		Benzyl chloride	1.267	1.511	-19.3	108	0.00	16.16
87		n-Butylbenzene	2.599	2.678	-3.0	97	0.00	16.33
88		1,2-Dichlorobenzene	1.560	1.602	-2.7	102	0.00	16.47
89		1,2-Dibromo-3-Chloropropa	0.111	0.112	-0.9	100	0.00	17.32
90		1,2,4-Trichlorobenzene	0.632	0.666	-5.4	99	0.00	18.32
91		Hexachlorobutadiene	0.423	0.418	1.2	101	0.00	18.47
92		Naphthalene	1.314	1.383	-5.3	99	0.00	18.67
93		1,2,3-Trichlorobenzene	0.545	0.549	-0.7	98	0.00	18.98
94	I	Tert Butyl alcohol-d10	1.000	1.000	0.0	110	0.00	7.46
95		Tert-Butyl alcohol	1.319	1.257	4.7	108	0.00	7.55
96		Tert Amyl Alcohol	0.988	1.028	-4.0	108	0.00	9.78
			Amount	Calc.	%Drift			
97		1,4-Dioxane	800.000	798.590	0.2	107	0.00	10.96

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C0039585.D 8260C.M Tue Mar 21 08:24:07 2006

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1619-CC1610
Lab FileID: C0039833.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\032906\C0039833.D Vial: 1
Acq On : 29 Mar 2006 10:40 am Operator: JuanG
Sample : CC1610-4 Inst : MSVOA5
Misc : ms5871,vc1619,,,,, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\8260C.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Mar 20 14:03:26 2006
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	115	0.00	10.23
2		Dichlorodifluoromethane	0.326	0.283	13.2	105	0.00	4.57
3	P	Chloromethane	0.487	0.457	6.2	119	0.00	4.92
			Amount	Calc.	%Drift			
4	C	Vinyl Chloride	40.000	40.454	-1.1	114	0.00	5.16
5		Bromomethane	40.000	47.044	-17.6	131	0.00	5.75
6		Chloroethane	40.000	43.676	-9.2	125	0.00	5.91
			AvgRF	CCRF	%Dev			
7		Trichlorofluoromethane	0.336	0.347	-3.3	122	0.00	6.30
8		1,2-Dichlorotrifluoroetha	0.358	0.315	12.0	104	0.00	6.62
9		Ethyl ether	0.292	0.264	9.6	105	0.00	6.61
10		Acrolein	0.030	0.027	10.0	95	0.00	6.81
11		Freon 113	0.301	0.268	11.0	104	0.00	6.97
			Amount	Calc.	%Drift			
12		Acetone	200.000	149.203	25.4#	89	0.00	6.98
			AvgRF	CCRF	%Dev			
13	C	1,1-Dichloroethene	0.525	0.471	10.3	103	0.00	7.01
14		Iodomethane	0.514	0.484	5.8	107	0.00	7.27
15		Methyl Acetate	0.252	0.217	13.9	100	0.00	7.37
16		Carbon Disulfide	0.954	0.799	16.2	98	0.00	7.38
			Amount	Calc.	%Drift			
17		Methylene Chloride	40.000	41.301	-3.3	114	0.00	7.54
			AvgRF	CCRF	%Dev			
18		Acrylonitrile	0.112	0.107	4.5	104	0.00	7.80
19		Methyl Tert Butyl Ether	0.777	0.665	14.4	99	0.00	7.84
20		trans-1,2-Dichloroethene	0.502	0.452	10.0	105	0.00	7.88
21		Hexane	0.533	0.491	7.9	106	0.00	8.16
22		Vinyl acetate	0.561	0.597	-6.4	116	0.00	8.32
23		Di-isopropyl ether	1.313	1.264	3.7	110	0.00	8.34
24	P	1,1-Dichloroethane	0.573	0.517	9.8	107	0.00	8.36
25		ETBE	0.952	0.862	9.5	104	0.00	8.74
26		2-Butanone	0.186	0.145	22.0#	90	0.00	8.94
27		cis-1,2-Dichloroethene	0.338	0.310	8.3	105	0.00	9.00
28		2,2-Dichloropropane	0.307	0.275	10.4	104	0.00	9.02
29		Bromochloromethane	0.166	0.161	3.0	107	0.00	9.26
30	C	Chloroform	0.496	0.445	10.3	105	0.00	9.30

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1619-CC1610
Lab FileID: C0039833.D

31		Tetrahydrofuran	0.102	0.087	14.7	96	0.00	9.32
32	S	Dibromofluoromethane	0.257	0.255	0.8	113	0.00	9.48
33		1,1,1-Trichloroethane	0.421	0.380	9.7	103	0.00	9.57
34		Cyclohexane	0.674	0.615	8.8	105	0.00	9.67
		----------	Amount	Calc.	%Drift		----------	
35		1,1-Dichloropropene	40.000	37.682	5.8	102	0.00	9.73
		----------	AvgRF	CCRF	%Dev		----------	
36		Carbon Tetrachloride	0.380	0.340	10.5	108	0.00	9.78
37	S	1,2-Dichloroethane-d4	0.281	0.266	5.3	109	0.00	9.87
38		1,2-Dichloroethane	0.448	0.397	11.4	104	0.00	9.95
		----------	Amount	Calc.	%Drift		----------	
39		Benzene	40.000	36.457	8.9	105	0.00	9.98
		----------	AvgRF	CCRF	%Dev		----------	
40		TAME	0.802	0.698	13.0	99	0.00	9.99
41		Trichloroethene	0.311	0.281	9.6	106	0.00	10.61
42	C	1,2-Dichloropropane	0.350	0.322	8.0	105	0.00	10.86
43		Methylcyclohexane	0.495	0.448	9.5	104	0.00	10.87
44		Dibromomethane	0.184	0.170	7.6	103	0.00	11.00
45		Bromodichloromethane	0.410	0.382	6.8	105	0.00	11.11
46		2-Nitropropane	0.080	0.077	3.8	101	0.00	11.31
47		2-Chloroethyl vinyl ether	0.144	0.138	4.2	99	0.00	11.33
48		cis-1,3-Dichloropropene	0.482	0.450	6.6	103	0.00	11.56
49		4-Methyl-2-pentanone	0.329	0.303	7.9	102	0.00	11.65
50	I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00	13.46
51	S	Toluene-d8	1.244	1.265	-1.7	112	0.00	11.89
52	C	Toluene	1.620	1.591	1.8	109	0.00	11.96
53		trans-1,3-Dichloropropene	0.472	0.458	3.0	102	0.00	12.12
54		1,1,2-Trichloroethane	0.298	0.276	7.4	101	0.00	12.34
55		2-hexanone	0.293	0.250	14.7	87	0.00	12.52
56		1,3-Dichloropropane	0.567	0.538	5.1	103	0.00	12.54
57		Tetrachloroethene	0.406	0.420	-3.4	115	0.00	12.57
58		Dibromochloromethane	0.379	0.388	-2.4	108	0.00	12.82
59		1,2-Dibromoethane	0.336	0.324	3.6	103	0.00	13.00
60		1-Chlorohexane	0.473	0.483	-2.1	102	0.00	13.35
61	P	Chlorobenzene	1.058	1.069	-1.0	110	0.00	13.50
62		1,1,1,2-Tetrachloroethane	0.360	0.370	-2.8	111	0.00	13.55
63	C	Ethylbenzene	1.695	1.690	0.3	107	0.00	13.56
64		m,p-Xylene	1.267	1.277	-0.8	107	0.00	13.67
65		o-Xylene	1.281	1.308	-2.1	108	0.00	14.12
66		Styrene	0.967	1.037	-7.2	106	0.00	14.13
67	P	Bromoform	0.209	0.230	-10.0	111	0.00	14.41
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	16.01
69		Isopropylbenzene	3.589	3.664	-2.1	107	0.00	14.50
		----------	Amount	Calc.	%Drift		----------	
70		Cyclohexanone	200.000	161.648	19.2	84	0.00	14.67
		----------	AvgRF	CCRF	%Dev		----------	
71	S	4-Bromofluorobenzene	1.136	1.031	9.2	97	0.00	14.72
72	P	1,1,2,2-Tetrachloroethane	0.995	0.927	6.8	103	0.00	14.79
		----------	Amount	Calc.	%Drift		----------	
73		trans-1,4-Dichloro-2-bute	40.000	44.836	-12.1	117	0.00	14.84

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1619-CC1610
Lab FileID: C0039833.D

		AvgRF	CCRF	%Dev			
74	1,2,3-Trichloropropane	0.281	0.254	9.6	102	0.00	14.89
75	Bromobenzene	0.956	1.003	-4.9	111	0.00	14.95
76	n-Propylbenzene	4.364	4.499	-3.1	107	0.00	14.95
77	1,3,5-Trimethylbenzene	2.982	3.144	-5.4	109	0.00	15.12
		Amount	Calc.	%Drift			
78	2-Chlorotoluene	40.000	42.003	-5.0	108	0.00	15.12
		AvgRF	CCRF	%Dev			
79	4-Chlorotoluene	2.687	2.596	3.4	102	0.00	15.23
80	tert-Butylbenzene	2.102	2.114	-0.6	105	0.00	15.51
81	1,2,4-Trimethylbenzene	3.024	3.231	-6.8	107	0.00	15.55
82	sec-Butylbenzene	3.900	4.165	-6.8	108	0.00	15.75
83	4-Isopropyltoluene	2.987	3.258	-9.1	107	0.00	15.87
84	1,3-Dichlorobenzene	1.608	1.692	-5.2	107	0.00	15.95
85	1,4-Dichlorobenzene	1.628	1.668	-2.5	107	0.00	16.04
86	Benzyl chloride	1.267	1.419	-12.0	105	0.00	16.15
87	n-Butylbenzene	2.599	2.731	-5.1	102	0.00	16.33
88	1,2-Dichlorobenzene	1.560	1.596	-2.3	105	0.00	16.47
89	1,2-Dibromo-3-Chloropropa	0.111	0.093	16.2	86	0.00	17.31
90	1,2,4-Trichlorobenzene	0.632	0.646	-2.2	99	0.00	18.32
91	Hexachlorobutadiene	0.423	0.428	-1.2	107	0.00	18.47
92	Naphthalene	1.314	1.150	12.5	85	0.00	18.67
93	1,2,3-Trichlorobenzene	0.545	0.509	6.6	94	0.00	18.98
94 I	Tert Butyl alcohol-d10	1.000	1.000	0.0	81	0.00	7.46
95	Tert-Butyl alcohol	1.319	1.339	-1.5	85	0.00	7.55
96	Tert Amyl Alcohol	0.988	1.114	-12.8	86	0.00	9.78
		Amount	Calc.	%Drift			
97	1,4-Dioxane	800.000	793.598	0.8	79	0.00	10.96

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C0039585.D 8260C.M Wed Mar 29 16:31:59 2006

5.7

5

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1620-CC1610
Lab FileID: C0039863.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\2\DATA\033006\C0039863.D Vial: 1
Acq On : 30 Mar 2006 1:44 pm Operator: JuanG
Sample : cc1610-4 Inst : MSVOA5
Misc : ms5871,vc1620,,,,, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\2\METHODS\8260C.M (RTE Integrator)
Title : EPA 624 & SWA 5030B/8260B
Last Update : Mon Mar 20 14:03:26 2006
Response via : Multiple Level Calibration

Min. RRF : 0.001 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	137	0.00	10.23
2	Dichlorodifluoromethane	0.326	0.303	7.1	134	0.00	4.57
3 P	Chloromethane	0.487	0.453	7.0	142	0.00	4.92
		Amount	Calc.	%Drift			
4 C	Vinyl Chloride	40.000	40.986	-2.5	138	0.00	5.16
5	Bromomethane	40.000	43.938	-9.8	148	0.00	5.75
6	Chloroethane	40.000	40.596	-1.5	140	0.00	5.92
		AvgRF	CCRF	%Dev			
7	Trichlorofluoromethane	0.336	0.351	-4.5	148	0.00	6.30
8	1,2-Dichlorotrifluoroetha	0.358	0.294	17.9	116	0.00	6.62
9	Ethyl ether	0.292	0.249	14.7	118	0.00	6.61
10	Acrolein	0.030	0.024	20.0	100	0.00	6.81
11	Freon 113	0.301	0.256	15.0	119	0.00	6.97
		Amount	Calc.	%Drift			
12	Acetone	200.000	136.030	32.0#	97	0.00	6.99
		AvgRF	CCRF	%Dev			
13 C	1,1-Dichloroethene	0.525	0.443	15.6	116	-0.02	6.99
14	Iodomethane	0.514	0.470	8.6	125	-0.04	7.23
15	Methyl Acetate	0.252	0.216	14.3	119	0.00	7.37
16	Carbon Disulfide	0.954	0.743	22.1#	109	-0.02	7.37
		Amount	Calc.	%Drift			
17	Methylene Chloride	40.000	39.692	0.8	131	0.00	7.55
		AvgRF	CCRF	%Dev			
18	Acrylonitrile	0.112	0.107	4.5	124	0.00	7.80
19	Methyl Tert Butyl Ether	0.777	0.656	15.6	117	0.00	7.85
20	trans-1,2-Dichloroethene	0.502	0.437	12.9	122	0.00	7.89
21	Hexane	0.533	0.474	11.1	122	0.00	8.17
22	Vinyl acetate	0.561	0.591	-5.3	137	0.00	8.32
23	Di-isopropyl ether	1.313	1.255	4.4	131	0.00	8.34
24 P	1,1-Dichloroethane	0.573	0.499	12.9	123	0.00	8.36
25	ETBE	0.952	0.858	9.9	124	0.00	8.75
26	2-Butanone	0.186	0.144	22.6#	107	0.00	8.95
27	cis-1,2-Dichloroethene	0.338	0.311	8.0	126	0.00	9.00
28	2,2-Dichloropropane	0.307	0.288	6.2	130	0.00	9.02
29	Bromochloromethane	0.166	0.161	3.0	128	0.00	9.27
30 C	Chloroform	0.496	0.444	10.5	125	0.00	9.30

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1620-CC1610
Lab FileID: C0039863.D

31		Tetrahydrofuran	0.102	0.091	10.8	119	0.00	9.33
32	S	Dibromofluoromethane	0.257	0.258	-0.4	137	0.00	9.48
33		1,1,1-Trichloroethane	0.421	0.384	8.8	124	0.00	9.58
34		Cyclohexane	0.674	0.604	10.4	123	0.00	9.68
		----------	Amount	Calc.	%Drift	----------		
35		1,1-Dichloropropene	40.000	37.407	6.5	121	0.00	9.74
		----------	AvgRF	CCRF	%Dev	----------		
36		Carbon Tetrachloride	0.380	0.345	9.2	131	0.00	9.78
37	S	1,2-Dichloroethane-d4	0.281	0.271	3.6	133	0.00	9.87
38		1,2-Dichloroethane	0.448	0.397	11.4	124	0.00	9.96
		----------	Amount	Calc.	%Drift	----------		
39		Benzene	40.000	35.751	10.6	124	0.00	9.98
		----------	AvgRF	CCRF	%Dev	----------		
40		TAME	0.802	0.693	13.6	118	0.00	9.99
41		Trichloroethene	0.311	0.280	10.0	126	0.00	10.62
42	C	1,2-Dichloropropane	0.350	0.317	9.4	124	0.00	10.86
43		Methylcyclohexane	0.495	0.447	9.7	124	0.00	10.87
44		Dibromomethane	0.184	0.173	6.0	126	0.00	11.00
45		Bromodichloromethane	0.410	0.384	6.3	126	0.00	11.11
46		2-Nitropropane	0.080	0.076	5.0	120	0.00	11.31
47		2-Chloroethyl vinyl ether	0.144	0.137	4.9	118	0.00	11.33
48		cis-1,3-Dichloropropene	0.482	0.458	5.0	125	0.00	11.57
49		4-Methyl-2-pentanone	0.329	0.311	5.5	125	0.00	11.65
50	I	Chlorobenzene-d5	1.000	1.000	0.0	133	0.00	13.47
51	S	Toluene-d8	1.244	1.232	1.0	134	0.00	11.89
52	C	Toluene	1.620	1.558	3.8	132	0.00	11.96
53		trans-1,3-Dichloropropene	0.472	0.452	4.2	124	0.00	12.12
54		1,1,2-Trichloroethane	0.298	0.280	6.0	127	0.00	12.34
55		2-hexanone	0.293	0.246	16.0	106	0.00	12.52
56		1,3-Dichloropropane	0.567	0.523	7.8	124	0.00	12.54
57		Tetrachloroethene	0.406	0.417	-2.7	141	0.00	12.58
58		Dibromochloromethane	0.379	0.389	-2.6	133	0.00	12.82
59		1,2-Dibromoethane	0.336	0.324	3.6	127	0.00	13.00
60		1-Chlorohexane	0.473	0.495	-4.7	129	0.00	13.35
61	P	Chlorobenzene	1.058	1.075	-1.6	136	0.00	13.50
62		1,1,1,2-Tetrachloroethane	0.360	0.371	-3.1	137	0.00	13.55
63	C	Ethylbenzene	1.695	1.683	0.7	131	0.00	13.56
64		m,p-Xylene	1.267	1.278	-0.9	133	0.00	13.67
65		o-Xylene	1.281	1.307	-2.0	133	0.00	14.13
66		Styrene	0.967	1.063	-9.9	135	0.00	14.13
67	P	Bromoform	0.209	0.231	-10.5	138	0.00	14.41
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	134	0.00	16.01
69		Isopropylbenzene	3.589	3.609	-0.6	135	0.00	14.50
		----------	Amount	Calc.	%Drift	----------		
70		Cyclohexanone	200.000	168.325	15.8	111	0.00	14.67
		----------	AvgRF	CCRF	%Dev	----------		
71	S	4-Bromofluorobenzene	1.136	1.020	10.2	123	0.00	14.72
72	P	1,1,2,2-Tetrachloroethane	0.995	0.893	10.3	127	0.00	14.79
		----------	Amount	Calc.	%Drift	----------		
73		trans-1,4-Dichloro-2-bute	40.000	43.094	-7.7	143	0.00	14.84

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: VC1620-CC1610
Lab FileID: C0039863.D

		AvgRF	CCRF	%Dev			
74	1,2,3-Trichloropropane	0.281	0.251	10.7	128	0.00	14.89
75	Bromobenzene	0.956	0.996	-4.2	141	0.00	14.95
76	n-Propylbenzene	4.364	4.429	-1.5	135	0.00	14.96
77	1,3,5-Trimethylbenzene	2.982	3.092	-3.7	137	0.00	15.12
		Amount	Calc.	%Drift			
78	2-Chlorotoluene	40.000	40.836	-2.1	134	0.00	15.12
		AvgRF	CCRF	%Dev			
79	4-Chlorotoluene	2.687	2.613	2.8	131	0.00	15.23
80	tert-Butylbenzene	2.102	2.088	0.7	133	0.00	15.51
81	1,2,4-Trimethylbenzene	3.024	3.136	-3.7	133	0.00	15.55
82	sec-Butylbenzene	3.900	4.150	-6.4	137	0.00	15.75
83	4-Isopropyltoluene	2.987	3.226	-8.0	136	0.00	15.88
84	1,3-Dichlorobenzene	1.608	1.685	-4.8	136	0.00	15.95
85	1,4-Dichlorobenzene	1.628	1.657	-1.8	136	0.00	16.04
86	Benzyl chloride	1.267	1.393	-9.9	132	0.00	16.15
87	n-Butylbenzene	2.599	2.746	-5.7	131	0.00	16.33
88	1,2-Dichlorobenzene	1.560	1.600	-2.6	135	0.00	16.47
89	1,2-Dibromo-3-Chloropropa	0.111	0.095	14.4	111	0.00	17.32
90	1,2,4-Trichlorobenzene	0.632	0.681	-7.8	134	0.00	18.32
91	Hexachlorobutadiene	0.423	0.445	-5.2	142	0.00	18.47
92	Naphthalene	1.314	1.212	7.8	115	0.00	18.67
93	1,2,3-Trichlorobenzene	0.545	0.548	-0.6	129	0.00	18.98
94 I	Tert Butyl alcohol-d10	1.000	1.000	0.0	101	0.00	7.46
95	Tert-Butyl alcohol	1.319	1.403	-6.4	110	0.00	7.56
96	Tert Amyl Alcohol	0.988	1.124	-13.8	108	0.00	9.78
		Amount	Calc.	%Drift			
97	1,4-Dioxane	800.000	840.320	-5.0	103	0.00	10.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
C0039585.D 8260C.M Fri Mar 31 16:28:22 2006

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP16066-MB	PP012186.D	1	03/23/06	MRE	03/20/06	OP16066	GPP419

The QC reported here applies to the following samples: Method: SW846 8310

F39316-1, F39316-2, F39316-3, F39316-4, F39316-5

CAS No.	Compound	Result	RL	MDL	Units	Q
50-32-8	Benzo(a)pyrene	ND	0.20	0.10	ug/l	
91-20-3	Naphthalene	ND	2.0	1.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	81%	36-114%
92-94-4	p-Terphenyl	78%	31-121%

Blank Spike Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP16066-BS	PP012185.D	1	03/23/06	MRE	03/20/06	OP16066	GPP419

The QC reported here applies to the following samples: Method: SW846 8310

F39316-1, F39316-2, F39316-3, F39316-4, F39316-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
50-32-8	Benzo(a)pyrene	10	8.6	86	70-108
91-20-3	Naphthalene	20	15.2	76	52-91
90-12-0	1-Methylnaphthalene	20	15.1	76	54-94
91-57-6	2-Methylnaphthalene	20	14.5	73	55-94

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	83%	36-114%
92-94-4	p-Terphenyl	89%	31-121%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP16066-MS	PP012188.D	1	03/23/06	MRE	03/20/06	OP16066	GPP419
OP16066-MSD	PP012189.D	1	03/23/06	MRE	03/20/06	OP16066	GPP419
F39314-1	PP012187.D	1	03/23/06	MRE	03/20/06	OP16066	GPP419

The QC reported here applies to the following samples: Method: SW846 8310

F39316-1, F39316-2, F39316-3, F39316-4, F39316-5

CAS No.	Compound	F39314-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
50-32-8	Benzo(a)pyrene	0.19	U	19.2	16.6	86	16.3	85	2	67-111/15
91-20-3	Naphthalene	1.9	U	38.5	28.5	74	28.3	74	1	41-102/24
90-12-0	1-Methylnaphthalene	1.9	U	38.5	28.7	75	28.2	73	2	41-109/25
91-57-6	2-Methylnaphthalene	1.9	U	38.5	27.7	72	27.3	71	1	43-106/25

CAS No.	Surrogate Recoveries	MS	MSD	F39314-1	Limits
84-15-1	o-Terphenyl	83%	82%	76%	36-114%
92-94-4	p-Terphenyl	87%	86%	80%	31-121%

Semivolatile Surrogate Recovery Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Method: SW846 8310 Matrix: AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]
F39316-1	PP012202.D	78.0	76.0
F39316-2	PP012203.D	85.0	76.0
F39316-3	PP012204.D	77.0	73.0
F39316-4	PP012205.D	102.0	75.0
F39316-5	PP012206.D	95.0	77.0
OP16066-BS	PP012185.D	83.0	89.0
OP16066-MB	PP012186.D	81.0	78.0
OP16066-MS	PP012188.D	83.0	87.0
OP16066-MSD	PP012189.D	82.0	86.0

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	36-114%
S2 = p-Terphenyl	31-121%

(a) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Check Std:	GPP419-CC411	Injection Date:	03/23/06
Lab File ID:	PP012184.D	Injection Time:	09:21
Instrument ID:	GCPP	Method:	SW846 8310

	S1 [a] RT	S2 [a] RT
Check Std	6.28	8.42

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
OP16066-BS	PP012185.D	03/23/06	09:40	6.28	8.42
OP16066-MB	PP012186.D	03/23/06	09:59	6.28	8.42
F39314-1	PP012187.D	03/23/06	10:18	6.28	8.43
OP16066-MS	PP012188.D	03/23/06	10:37	6.28	8.43
OP16066-MSD	PP012189.D	03/23/06	10:56	6.28	8.43
ZZZZZZ	PP012190.D	03/23/06	11:15	6.28	8.43
ZZZZZZ	PP012191.D	03/23/06	11:35	6.28	8.43
ZZZZZZ	PP012192.D	03/23/06	11:54	6.28	8.44
ZZZZZZ	PP012193.D	03/23/06	12:13	6.27	8.43
ZZZZZZ	PP012194.D	03/23/06	12:32	6.27	8.43

Surrogate
Compounds

S1 = o-Terphenyl
S2 = p-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Check Std:	GPP419-CC411	Injection Date:	03/23/06
Lab File ID:	PP012195.D	Injection Time:	12:51
Instrument ID:	GCPP	Method:	SW846 8310

	S1 [a] RT	S2 [a] RT
Check Std	6.27	8.44

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT
ZZZZZZ	PP012197.D	03/23/06	13:29	6.27	8.43
ZZZZZZ	PP012198.D	03/23/06	13:48	6.27	8.43
ZZZZZZ	PP012199.D	03/23/06	14:07	6.27	8.43
ZZZZZZ	PP012200.D	03/23/06	14:26	6.27	8.43
ZZZZZZ	PP012201.D	03/23/06	14:46	6.27	8.43
F39316-1	PP012202.D	03/23/06	15:05	6.27	8.43
F39316-2	PP012203.D	03/23/06	15:24	6.27	8.43
F39316-3	PP012204.D	03/23/06	15:43	6.27	8.43
F39316-4	PP012205.D	03/23/06	16:02	6.27	8.43
F39316-5	PP012206.D	03/23/06	16:21	6.27	8.43

Surrogate
Compounds

S1 = o-Terphenyl
S2 = p-Terphenyl

(a) Retention time from GC signal #1

Initial Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: GPP411-ICC411
Lab FileID: PP011908.D

Response Factor Report G1315B

Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Wed Mar 15 11:00:34 2006
Response via : Initial Calibration

Calibration Files
L1 =PP011905.D L2 =PP011906.D L3 =PP011907.D L4 =PP011908.D
L5 =PP011909.D L6 =PP011910.D L7 =PP011911.D ICV =PP011912.D

Compound	L1	L2	L3	L4	L5	L6	L7	ICV	Avg		%RSD
1) Naphthalene	4.510	4.795	4.967	5.029	5.226	5.349	5.328		5.029	B5	6.06
2) Acenaphthyle	1.773	1.853	1.934	1.960	2.049	2.112	2.096		1.968	B5	6.42
3) 1-Methyl Nap	3.746	3.948	4.096	4.153	4.306	4.422	4.397		4.153	B5	5.95
4) 2-Methyl Nap	3.762	3.997	4.125	4.184	4.331	4.443	4.420		4.180	B5	5.87
5) Acenaphthene	2.835	3.027	3.132	3.179	3.289	3.371	3.349		3.169	B5	6.05
6) Fluorene	1.046	1.103	1.130	1.145	1.184	1.211	1.195		1.145	B6	5.05
7) Phenanthrene	0.911	0.954	0.983	0.995	1.025	1.041	1.030		0.991	B6	4.70
8) O-Terphenyl	3.325	3.544	3.643	3.699	3.812	3.909	3.896		3.690	B5	5.67
9) Anthracene	1.138	1.217	1.181	1.128	1.105	1.064	1.034		1.124	B5	5.63
10) Fluoranthene	7.641	7.945	8.345	8.464	8.645	8.793	8.769		8.372	B5	5.20
11) Pyrene	1.199	1.254	1.282	1.296	1.294	1.259	1.219		1.256	B6	2.88
12) P-Terphenyl	1.308	1.357	1.376	1.394	1.441	1.437	1.417		1.390	B6	3.42
13) Benzo(a)Anth	2.110	2.195	2.241	2.266	2.338	2.363	2.342		2.265	B6	4.05
14) Chrysene	2.650	2.771	2.810	2.813	2.850	2.746	2.620		2.751	B6	3.15
15) Benzo(b)Fluo	1.013	1.056	1.084	1.094	1.147	1.156	1.160		1.101	B6	5.08
16) Benzo(k)Fluo	5.885	6.029	6.192	6.399	6.607	6.770	6.743		6.375	B5	5.51
17) Benzo(a) Pyr	1.098	1.145	1.183	1.198	1.237	1.268	1.263		1.199	B6	5.22
18) Dibenzo(a,h)	8.757	8.839	9.132	9.241	9.567	9.821	9.778		9.305	B5	4.62
19) Benzo(g,h,i)	6.227	6.205	6.445	6.556	6.799	7.012	7.011		6.608	B5	5.16
20) Indeno(1,2,3	4.706	4.757	4.880	4.949	5.124	5.284	5.264		4.995	B5	4.68

Signal #2

1) Naphthalene	2.725	2.901	3.000	3.033	3.127	3.202	3.199		3.027	B5	5.69
2) Acenaphthyle	1.897	1.887	1.970	1.989	2.039	2.093	2.097		1.996	B5	4.28
3) 1-Methyl Nap	1.691	1.697	1.791	1.804	1.859	1.905	1.902		1.807	B5	4.90
4) 2-Methyl Nap	2.278	2.394	2.518	2.532	2.620	2.686	2.677		2.529	B5	5.96
5) Acenaphthene	0.927	1.035	1.115	1.105	1.146	1.166	1.160		1.093	B5	7.83
6) Fluorene	1.184	1.238	1.276	1.289	1.335	1.366	1.348		1.291	B6	5.03
7) Phenanthrene	3.136	3.247	3.323	3.337	3.383	3.177	2.909		3.216	B6	5.03
8) O-Terphenyl	5.597	5.899	6.118	6.111	6.377	6.531	6.511		6.163	B5	5.53
9) Anthracene	6.598	6.810	6.818	6.620	6.169	4.936	4.252		6.029	B6	16.97

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997
Response Ratio = 0.00000 + 7269430.94859 *A + -60699.34833 *A^2

10) Fluoranthene	7.283	7.651	8.148	8.116	8.405	8.576	8.603		8.112	B5	6.05
11) Pyrene	6.809	7.247	7.491	7.544	7.776	7.850	7.794		7.502	B5	4.95
12) P-Terphenyl	6.461	6.769	6.888	6.974	7.200	7.187	7.097		6.939	B5	3.79
13) Benzo(a)Anth	1.550	1.603	1.646	1.666	1.723	1.761	1.751		1.671	B6	4.70
14) Chrysene	2.185	2.312	2.360	2.380	2.446	2.467	2.424		2.368	B6	4.07
15) Benzo(b)Fluo	0.919	0.957	0.981	0.989	1.018	1.034	1.024		0.989	B6	4.15
16) Benzo(k)Fluo	1.368	1.416	1.455	1.476	1.523	1.559	1.552		1.478	B6	4.82
17) Benzo(a) Pyr	8.844	9.144	9.430	9.551	9.801	9.954	9.842		9.509	B5	4.24
18) Dibenzo(a,h)	2.169	2.218	2.280	2.292	2.340	2.341	2.292		2.276	B6	2.76
19) Benzo(g,h,i)	0.956	0.982	1.026	1.039	1.073	1.098	1.090		1.038	B6	5.21
20) Indeno(1,2,3	6.216	6.509	6.690	6.788	7.029	7.244	7.216		6.813	B5	5.56

Initial Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: GPP411-ICC411
Lab FileID: PP011908.D

(#) = Out of Range ### Number of calibration levels exceeded format ###

8310_32.M Wed Mar 15 11:00:47 2006

6.0

9

Initial Calibration Verification

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: GPP411-ICV411
Lab FileID: PP011912.D

Evaluate Continuing Calibration Report

Signal #1 : P:\HPCHEM\1\DATA\0313PAH\PP011912.D\dad1B.ch Vial: 10
Signal #2 : P:\HPCHEM\1\DATA\0313PAH\PP011912.D\dad1A.ch
Acq On : 13-Mar-2006, 17:55:38 Operator: MIKEE
Sample : ICV411-40 Inst : G1315B
Misc : OP15995,gpp411,30.0,,,5,,soil Multiplr: 1.00
IntFile Signal #1: EVENTS1.E IntFile Signal #2: events2.e

Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Wed Mar 15 10:55:29 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Naphthalene	40.000	42.371	-5.9	0	0.00	3.64- 4.14
2		Acenaphthylene	40.000	43.715	-9.3	0	0.00	4.13- 4.63
3		1-Methyl Naphthalene	40.000	41.522	-3.8	0	0.00	4.50- 5.00
4		2-Methyl Naphthalene	40.000	40.326	-0.8	0	0.00	4.71- 5.21
5		Acenaphthene	40.000	40.928	-2.3	0	0.00	4.91- 5.41
6		Fluorene	40.000	40.918	-2.3	0	0.00	5.09- 5.59
7		Phenanthrene	40.000	41.378	-3.4	0	0.00	5.63- 6.13
8	S	O-Terphenyl		----------NA----------				
9		Anthracene	20.000	19.105	4.5	0	0.00	6.26- 6.76
10		Fluoranthene	40.000	40.163	-0.4	0	0.00	6.76- 7.26
11		Pyrene	40.000	41.885	-4.7	0	0.00	7.22- 7.72
12	S	P-Terphenyl		----------NA----------				
13		Benzo(a)Anthracene	20.000	20.004	-0.0	0	0.00	8.53- 9.03
14		Chrysene	20.000	20.025	-0.1	0	0.00	8.92- 9.42
15		Benzo(b)Fluoranthene	20.000	20.904	-4.5	0	0.00	9.75-10.25
16		Benzo(k)Fluoranthene	20.000	20.272	-1.4	0	0.01	10.32-10.82
17		Benzo(a) Pyrene	20.000	20.615	-3.1	0	0.01	10.83-11.33
18		Dibenzo(a,h)anthracene	20.000	21.290	-6.4	0	0.01	11.45-12.45
19		Benzo(g,h,i) Perylene	20.000	20.967	-4.8	0	0.01	11.92-12.92
20		Indeno(1,2,3-cd)pyrene	20.000	20.479	-2.4	0	0.01	12.56-13.56

***** Signal #2 *****

1		Naphthalene	40.000	41.506	-3.8	0	0.00	3.64- 4.14
2		Acenaphthylene	40.000	43.868	-9.7	0	0.00	4.13- 4.63
3		1-Methyl Naphthalene	40.000	41.434	-3.6	0	0.00	4.50- 5.00
4		2-Methyl Naphthalene	40.000	40.576	-1.4	0	0.00	4.71- 5.21
5		Acenaphthene	40.000	41.703	-4.3	0	0.00	4.91- 5.41
6		Fluorene	40.000	40.926	-2.3	0	0.00	5.09- 5.59
7		Phenanthrene	40.000	42.148	-5.4	0	0.00	5.63- 6.13
8	S	O-Terphenyl		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
9		Anthracene	20.000	20.256	-1.3	0	0.00	6.26- 6.76
		----------	Amount	Calc.	%Drift	----------		
10		Fluoranthene	40.000	40.403	-1.0	0	0.00	6.76- 7.26
11		Pyrene	40.000	41.333	-3.3	0	0.00	7.22- 7.72
12	S	P-Terphenyl		----------NA----------				
13		Benzo(a)Anthracene	20.000	19.896	0.5	0	0.00	8.53- 9.03
14		Chrysene	20.000	19.731	1.3	0	0.00	8.92- 9.42

Initial Calibration Verification

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: GPP411-ICV411
Lab FileID: PP011912.D

15	Benzo(b)Fluoranthene	20.000	20.466	-2.3	0	0.00	9.75-10.25
16	Benzo(k)Fluoranthene	20.000	19.966	0.2	0	0.01	10.32-10.82
17	Benzo(a) Pyrene	20.000	20.588	-2.9	0	0.01	10.83-11.33
18	Dibenzo(a,h)anthracene	20.000	21.209	-6.0	0	0.01	11.45-12.45
19	Benzo(g,h,i) Perylene	20.000	20.438	-2.2	0	0.01	11.92-12.92
20	Indeno(1,2,3-cd)pyrene	20.000	20.415	-2.1	0	0.01	12.56-13.56

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP011912.D 8310_32.M Wed Mar 15 11:00:26 2006

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: GPP419-CC411
Lab FileID: PP012184.D

Evaluate Continuing Calibration Report

Signal #1 : P:\HPCHEM\1\DATA\0323PAH\PP012184.D\dad1B.ch Vial: 2
Signal #2 : P:\HPCHEM\1\DATA\0323PAH\PP012184.D\dad1A.ch
Acq On : 23-Mar-2006, 09:21:15 Operator: MIKEE
Sample : CC411-10 Inst : G1315B
Misc : OP16066,gpp419,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS1.E IntFile Signal #2: events2.e

Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Wed Mar 22 13:38:09 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1		Naphthalene	10.000	9.979	0.2	101	0.02	3.67- 4.17
2		Acenaphthylene	10.000	10.052	-0.5	102	0.02	4.16- 4.66
3		1-Methyl Naphthalene	10.000	9.947	0.5	101	0.02	4.53- 5.03
4		2-Methyl Naphthalene	10.000	9.901	1.0	100	0.02	4.75- 5.25
5		Acenaphthene	10.000	9.866	1.3	100	0.02	4.95- 5.45
6		Fluorene	10.000	9.880	1.2	100	0.02	5.12- 5.62
7		Phenanthrene	10.000	9.913	0.9	100	0.01	5.66- 6.16
8	S	O-Terphenyl	10.000	9.897	1.0	100	0.00	6.02- 6.52
9		Anthracene	5.000	5.315	-6.3	101	0.00	6.29- 6.79
10		Fluoranthene	10.000	10.058	-0.6	101	0.00	6.79- 7.29
11		Pyrene	10.000	10.314	-3.1	101	0.00	7.25- 7.75
12	S	P-Terphenyl	10.000	10.053	-0.5	102	0.00	8.17- 8.67
13		Benzo(a)Anthracene	5.000	5.048	-1.0	102	0.00	8.56- 9.06
14		Chrysene	5.000	5.201	-4.0	102	0.00	8.95- 9.45
15		Benzo(b)Fluoranthene	5.000	4.992	0.2	102	-0.02	9.78-10.28
16		Benzo(k)Fluoranthene	5.000	4.951	1.0	102	-0.02	10.34-10.84
17		Benzo(a) Pyrene	5.000	5.028	-0.6	102	-0.03	10.85-11.35
18		Dibenzo(a,h)anthracene	5.000	5.022	-0.4	102	-0.04	11.46-12.46
19		Benzo(g,h,i) Perylene	5.000	4.972	0.6	102	-0.04	11.92-12.92
20		Indeno(1,2,3-cd)pyrene	5.000	5.021	-0.4	103	-0.05	12.55-13.55

***** Signal #2 *****

1		Naphthalene	10.000	10.086	-0.9	102	0.02	3.67- 4.17
2		Acenaphthylene	10.000	10.002	-0.0	101	0.02	4.16- 4.66
3		1-Methyl Naphthalene	10.000	9.978	0.2	101	0.02	4.53- 5.03
4		2-Methyl Naphthalene	10.000	9.920	0.8	100	0.02	4.75- 5.25
5		Acenaphthene	10.000	9.879	1.2	97	0.02	4.95- 5.45
6		Fluorene	10.000	9.898	1.0	100	0.02	5.12- 5.62
7		Phenanthrene	10.000	10.397	-4.0	101	0.01	5.66- 6.16
8	S	O-Terphenyl	10.000	9.971	0.3	100	0.00	6.02- 6.52
		----------	Amount	Calc.	%Drift		----------	
9		Anthracene	5.000	4.946	1.1	101	0.00	6.29- 6.79
		----------	Amount	Calc.	%Drift		----------	
10		Fluoranthene	10.000	10.052	-0.5	100	0.00	6.79- 7.29
11		Pyrene	10.000	10.027	-0.3	100	0.00	7.25- 7.75
12	S	P-Terphenyl	10.000	10.085	-0.9	102	0.00	8.17- 8.67
13		Benzo(a)Anthracene	5.000	4.981	0.4	101	0.00	8.56- 9.06
14		Chrysene	5.000	5.028	-0.6	101	0.00	8.95- 9.45

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: GPP419-CC411
Lab FileID: PP012184.D

15	Benzo(b)Fluoranthene	5.000	5.029	-0.6	101	-0.02	9.78-10.28
16	Benzo(k)Fluoranthene	5.000	4.990	0.2	101	-0.02	10.34-10.84
17	Benzo(a) Pyrene	5.000	5.039	-0.8	102	-0.03	10.85-11.35
18	Dibenzo(a,h)anthracene	5.000	5.099	-2.0	102	-0.04	11.46-12.46
19	Benzo(g,h,i) Perylene	5.000	5.048	-1.0	102	-0.04	11.92-12.92
20	Indeno(1,2,3-cd)pyrene	5.000	5.036	-0.7	103	-0.05	12.55-13.55

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP011907.D 8310_32.M Fri Mar 24 09:56:54 2006

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: GPP419-CC411
Lab FileID: PP012195.D

Evaluate Continuing Calibration Report

```
Signal #1 : P:\HPCHEM\1\DATA\0323PAH\PP012195.D\dad1B.ch Vial: 3
Signal #2 : P:\HPCHEM\1\DATA\0323PAH\PP012195.D\dad1A.ch
Acq On    : 23-Mar-2006, 12:51:28                    Operator: MIKEE
Sample    : CC411-20                                 Inst    : G1315B
Misc      : OP16066,gpp419,1000,,,1,,water           Multiplr: 1.00
IntFile Signal #1: EVENTS1.E     IntFile Signal #2: events2.e

Method       : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title        : PAH's BY EPA  8310
Last Update  : Wed Mar 22 13:38:09 2006
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  15%     Max. Rel. Area : 200%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Naphthalene	20.000	19.929	0.4	100	0.00	3.67- 4.17
2	Acenaphthylene	20.000	20.014	-0.1	100	0.01	4.16- 4.66
3	1-Methyl Naphthalene	20.000	19.871	0.6	99	0.02	4.53- 5.03
4	2-Methyl Naphthalene	20.000	19.786	1.1	99	0.02	4.75- 5.25
5	Acenaphthene	20.000	19.751	1.2	98	0.02	4.95- 5.45
6	Fluorene	20.000	19.777	1.1	99	0.02	5.12- 5.62
7	Phenanthrene	20.000	19.816	0.9	99	0.02	5.66- 6.16
8 S	O-Terphenyl	20.000	19.777	1.1	99	0.00	6.02- 6.52
9	Anthracene	10.000	10.128	-1.3	101	0.01	6.29- 6.79
10	Fluoranthene	20.000	20.060	-0.3	99	0.01	6.79- 7.29
11	Pyrene	20.000	20.413	-2.1	100	0.01	7.25- 7.75
12 S	P-Terphenyl	20.000	20.071	-0.4	100	0.01	8.17- 8.67
13	Benzo(a)Anthracene	10.000	10.058	-0.6	101	0.00	8.56- 9.06
14	Chrysene	10.000	10.289	-2.9	101	0.00	8.95- 9.45
15	Benzo(b)Fluoranthene	10.000	9.972	0.3	100	0.00	9.78-10.28
16	Benzo(k)Fluoranthene	10.000	10.042	-0.4	100	0.00	10.34-10.84
17	Benzo(a) Pyrene	10.000	9.955	0.4	100	0.00	10.85-11.35
18	Dibenzo(a,h)anthracene	10.000	10.017	-0.2	101	0.00	11.46-12.46
19	Benzo(g,h,i) Perylene	10.000	9.928	0.7	100	0.00	11.92-12.92
20	Indeno(1,2,3-cd)pyrene	10.000	10.010	-0.1	101	0.00	12.55-13.55

***** Signal #2 *****

1	Naphthalene	20.000	20.011	-0.1	100	0.00	3.67- 4.17
2	Acenaphthylene	20.000	19.921	0.4	100	0.01	4.16- 4.66
3	1-Methyl Naphthalene	20.000	19.970	0.2	100	0.02	4.53- 5.03
4	2-Methyl Naphthalene	20.000	20.047	-0.2	100	0.02	4.75- 5.25
5	Acenaphthene	20.000	20.382	-1.9	101	0.02	4.95- 5.45
6	Fluorene	20.000	20.010	-0.1	100	0.02	5.12- 5.62
7	Phenanthrene	20.000	20.790	-3.9	100	0.02	5.66- 6.16
8 S	O-Terphenyl	20.000	20.292	-1.5	102	0.00	6.02- 6.52
	----------	Amount	Calc.	%Drift		----------	
9	Anthracene	10.000	10.058	-0.6	101	0.01	6.29- 6.79
	----------	Amount	Calc.	%Drift		----------	
10	Fluoranthene	20.000	20.236	-1.2	101	0.01	6.79- 7.29
11	Pyrene	20.000	20.064	-0.3	100	0.01	7.25- 7.75
12 S	P-Terphenyl	20.000	20.094	-0.5	100	0.01	8.17- 8.67
13	Benzo(a)Anthracene	10.000	9.972	0.3	100	0.00	8.56- 9.06
14	Chrysene	10.000	10.077	-0.8	100	0.00	8.95- 9.45

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: GPP419-CC411
Lab FileID: PP012195.D

15	Benzo(b)Fluoranthene	10.000	10.034	-0.3	100	0.00	9.78-10.28
16	Benzo(k)Fluoranthene	10.000	9.997	0.0	100	0.00	10.34-10.84
17	Benzo(a) Pyrene	10.000	10.000	0.0	100	0.00	10.85-11.35
18	Dibenzo(a,h)anthracene	10.000	10.117	-1.2	100	0.00	11.46-12.46
19	Benzo(g,h,i) Perylene	10.000	10.067	-0.7	101	0.00	11.92-12.92
20	Indeno(1,2,3-cd)pyrene	10.000	10.035	-0.4	101	0.00	12.55-13.55

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP011908.D 8310_32.M Fri Mar 24 09:57:15 2006

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: GPP419-CC411
Lab FileID: PP012207.D

Evaluate Continuing Calibration Report

Signal #1 : P:\HPCHEM\1\DATA\0323PAH\PP012207.D\dad1B.ch Vial: 3
Signal #2 : P:\HPCHEM\1\DATA\0323PAH\PP012207.D\dad1A.ch
Acq On : 23-Mar-2006, 16:40:42 Operator: MIKEE
Sample : CC411-20 Inst : G1315B
Misc : OP16066,gpp419,1000,,,1,,water Multiplr: 1.00
IntFile Signal #1: EVENTS1.E IntFile Signal #2: events2.e

Method : C:\HPCHEM\2\METHODS\8310_32.M (Chemstation Integrator)
Title : PAH's BY EPA 8310
Last Update : Wed Mar 22 13:38:09 2006
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	Naphthalene	20.000	20.103	-0.5	101	0.00	3.67- 4.17
2	Acenaphthylene	20.000	20.102	-0.5	101	0.00	4.16- 4.66
3	1-Methyl Naphthalene	20.000	20.027	-0.1	100	0.00	4.53- 5.03
4	2-Methyl Naphthalene	20.000	19.994	0.0	100	0.00	4.75- 5.25
5	Acenaphthene	20.000	19.973	0.1	100	0.01	4.95- 5.45
6	Fluorene	20.000	19.960	0.2	100	0.01	5.12- 5.62
7	Phenanthrene	20.000	20.000	0.0	100	0.00	5.66- 6.16
8 S	O-Terphenyl	20.000	19.965	0.2	100	0.00	6.02- 6.52
9	Anthracene	10.000	10.185	-1.9	101	0.00	6.29- 6.79
10	Fluoranthene	20.000	20.216	-1.1	100	0.00	6.79- 7.29
11	Pyrene	20.000	20.464	-2.3	100	0.00	7.25- 7.75
12 S	P-Terphenyl	20.000	20.120	-0.6	100	0.00	8.17- 8.67
13	Benzo(a)Anthracene	10.000	10.080	-0.8	101	0.00	8.56- 9.06
14	Chrysene	10.000	10.315	-3.1	101	0.00	8.95- 9.45
15	Benzo(b)Fluoranthene	10.000	10.003	-0.0	101	0.00	9.78-10.28
16	Benzo(k)Fluoranthene	10.000	10.093	-0.9	101	0.00	10.34-10.84
17	Benzo(a) Pyrene	10.000	9.963	0.4	100	0.00	10.85-11.35
18	Dibenzo(a,h)anthracene	10.000	10.055	-0.5	101	0.00	11.46-12.46
19	Benzo(g,h,i) Perylene	10.000	9.955	0.4	100	0.00	11.92-12.92
20	Indeno(1,2,3-cd)pyrene	10.000	10.042	-0.4	101	-0.01	12.55-13.55

***** Signal #2 *****

1	Naphthalene	20.000	20.141	-0.7	101	0.00	3.67- 4.17
2	Acenaphthylene	20.000	20.005	-0.0	100	0.00	4.16- 4.66
3	1-Methyl Naphthalene	20.000	20.081	-0.4	101	0.00	4.53- 5.03
4	2-Methyl Naphthalene	20.000	20.179	-0.9	101	0.00	4.75- 5.25
5	Acenaphthene	20.000	20.446	-2.2	101	0.01	4.95- 5.45
6	Fluorene	20.000	20.092	-0.5	101	0.01	5.12- 5.62
7	Phenanthrene	20.000	20.881	-4.4	101	0.00	5.66- 6.16
8 S	O-Terphenyl	20.000	20.322	-1.6	102	0.00	6.02- 6.52
	----------	Amount	Calc.	%Drift		----------	
9	Anthracene	10.000	10.094	-0.9	101	0.00	6.29- 6.79
	----------	Amount	Calc.	%Drift		----------	
10	Fluoranthene	20.000	20.428	-2.1	102	0.00	6.79- 7.29
11	Pyrene	20.000	20.143	-0.7	100	0.00	7.25- 7.75
12 S	P-Terphenyl	20.000	20.184	-0.9	100	0.00	8.17- 8.67
13	Benzo(a)Anthracene	10.000	9.994	0.1	100	0.00	8.56- 9.06
14	Chrysene	10.000	10.090	-0.9	100	0.00	8.95- 9.45

Continuing Calibration Summary

Job Number: F39316
Account: TETRPAPT Tetra Tech NUS
Project: Ocala F-18 Crash site CTO209

Sample: GPP419-CC411
Lab FileID: PP012207.D

15	Benzo(b)Fluoranthene	10.000	10.068	-0.7	101	0.00	9.78-10.28
16	Benzo(k)Fluoranthene	10.000	10.036	-0.4	101	0.00	10.34-10.84
17	Benzo(a) Pyrene	10.000	10.011	-0.1	100	0.00	10.85-11.35
18	Dibenzo(a,h)anthracene	10.000	10.160	-1.6	101	0.00	11.46-12.46
19	Benzo(g,h,i) Perylene	10.000	10.094	-0.9	101	0.00	11.92-12.92
20	Indeno(1,2,3-cd)pyrene	10.000	10.074	-0.7	101	-0.01	12.55-13.55

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PP011908.D 8310_32.M Fri Mar 24 09:57:17 2006

6.0

9

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

Thursday, September 28, 2006

Tetra Tech NUS (BR006)

Attn: Mark Peterson

8640 Philips Highway Suite 16

Jacksonville, FL 32256

RE: Project Number: 112GN4117, Project Name/Desc: Ocala Crash Site
ENCO Workorder: B608174

Dear Mark Peterson,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, September 19, 2006.

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

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

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

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

Sincerely,

Chris Tompkins

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 16.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: CEF-DU01-03 **Lab ID:** B608174-01

Sampled: 09/19/06 00:00 **Received:** 09/19/06 16:40

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/03/06		09/20/06 08:00	9/20/2006 18:32
EPA 8270C	09/26/06	11/04/06	09/25/06 10:53	9/26/2006 11:15

Client ID: CEF-CS3-03 **Lab ID:** B608174-02

Sampled: 09/19/06 12:18 **Received:** 09/19/06 16:40

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/03/06		09/20/06 08:00	9/20/2006 19:01
EPA 8270C	09/26/06	11/04/06	09/25/06 10:53	9/26/2006 10:05

Client ID: CEF-CS8-03 **Lab ID:** B608174-03

Sampled: 09/19/06 12:46 **Received:** 09/19/06 16:40

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/03/06		09/20/06 08:00	9/20/2006 19:31
EPA 8270C	09/26/06	11/04/06	09/25/06 10:53	9/26/2006 10:40

Client ID: CEF-CS10-03 **Lab ID:** B608174-04

Sampled: 09/19/06 13:11 **Received:** 09/19/06 16:40

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/03/06		09/20/06 08:00	9/20/2006 20:00
EPA 8270C	09/26/06	11/04/06	09/25/06 10:53	9/26/2006 10:58

Client ID: CEF-CS1A-03 **Lab ID:** B608174-05

Sampled: 09/19/06 13:41 **Received:** 09/19/06 16:40

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/03/06		09/20/06 08:00	9/20/2006 20:30
EPA 8270C	09/26/06	11/04/06	09/25/06 10:53	9/26/2006 11:35

SAMPLE DETECTION SUMMARY

Client ID: **CEF-DU01-03** **Lab ID:** **B608174-01**

Analyte	Results/Qual	MRL	Units	Method
1,2,4-Trimethylbenzene	123	1.0	ug/L	EPA 8260B
1,3,5-Trimethylbenzene	2.7	1.0	ug/L	EPA 8260B
1-Methylnaphthalene	22.5	0.10	ug/L	EPA 8270C
2-Methylnaphthalene	24.2	0.10	ug/L	EPA 8270C
Benzene	1.4	1.0	ug/L	EPA 8260B
Ethylbenzene	21.2	1.0	ug/L	EPA 8260B
m,p-Xylenes	8.7	2.0	ug/L	EPA 8260B
Naphthalene	13.5	0.10	ug/L	EPA 8270C
o-Xylene	0.5 I	1.0	ug/L	EPA 8260B
Toluene	0.4 I	1.0	ug/L	EPA 8260B

Client ID: **CEF-CS3-03** **Lab ID:** **B608174-02**

Analyte	Results/Qual	MRL	Units	Method
1,2,4-Trimethylbenzene	0.6 I	1.0	ug/L	EPA 8260B

Client ID: **CEF-CS10-03** **Lab ID:** **B608174-04**

Analyte	Results/Qual	MRL	Units	Method
1-Methylnaphthalene	0.35	0.10	ug/L	EPA 8270C
2-Methylnaphthalene	0.28	0.10	ug/L	EPA 8270C
Naphthalene	0.06 I	0.10	ug/L	EPA 8270C

Client ID: **CEF-CS1A-03** **Lab ID:** **B608174-05**

Analyte	Results/Qual	MRL	Units	Method
1,2,4-Trimethylbenzene	115	1.0	ug/L	EPA 8260B
1,3,5-Trimethylbenzene	1.9	1.0	ug/L	EPA 8260B
1-Methylnaphthalene	21.6	0.10	ug/L	EPA 8270C
2-Methylnaphthalene	23.4	0.10	ug/L	EPA 8270C
Benzene	1.4	1.0	ug/L	EPA 8260B
Ethylbenzene	19.4	1.0	ug/L	EPA 8260B
m,p-Xylenes	8.1	2.0	ug/L	EPA 8260B
Naphthalene	12.9	0.10	ug/L	EPA 8270C
o-Xylene	0.5 I	1.0	ug/L	EPA 8260B
Toluene	0.4 I	1.0	ug/L	EPA 8260B

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ANALYTICAL REPORT

Sample ID:	CEF-DU01-03	Project:	Ocala Crash Site
Lab #:	B608174-01	Work Order #:	B608174
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	09/20/06 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6I21003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	**123**	0.2	1.0	ug/L
1,3,5-Trimethylbenzene	108-67-8	**2.7**	0.2	1.0	ug/L
Benzene	71-43-2	**1.4**	0.2	1.0	ug/L
Ethylbenzene	100-41-4	**21.2**	0.3	1.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	**8.7**	0.3	2.0	ug/L
o-Xylene	95-47-6	**0.5** I	0.2	1.0	ug/L
Toluene	108-88-3	**0.4** I	0.2	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	52.3	50.0	105 %	60-130
Dibromofluoromethane	1868-53-7	50.3	50.0	101 %	66-131
Toluene-d8	2037-26-5	50.2	50.0	100 %	67-139

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ANALYTICAL REPORT

Sample ID:	CEF-DU01-03	Project:	Ocala Crash Site
Lab #:	B608174-01	Work Order #:	B608174
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	09/26/06 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6I25003		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	**22.5**	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	**24.2**	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Naphthalene	91-20-3	**13.5**	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	3.58	5.00	72 %	10-167

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ANALYTICAL REPORT

Sample ID:	CEF-CS3-03	Project:	Ocala Crash Site
Lab #:	B608174-02	Work Order #:	B608174
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	09/20/06 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6I21003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	**0.6** I	0.2	1.0	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.2 U	0.2	1.0	ug/L
Benzene	71-43-2	0.2 U	0.2	1.0	ug/L
Ethylbenzene	100-41-4	0.3 U	0.3	1.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.3 U	0.3	2.0	ug/L
o-Xylene	95-47-6	0.2 U	0.2	1.0	ug/L
Toluene	108-88-3	0.2 U	0.2	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50.4	50.0	101 %	60-130
Dibromofluoromethane	1868-53-7	49.1	50.0	98 %	66-131
Toluene-d8	2037-26-5	50.8	50.0	102 %	67-139

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ANALYTICAL REPORT

Sample ID:	CEF-CS3-03	Project:	Ocala Crash Site
Lab #:	B608174-02	Work Order #:	B608174
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	09/26/06 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6I25003		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Naphthalene	91-20-3	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	4.00	5.00	80 %	10-167

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ANALYTICAL REPORT

Sample ID:	CEF-CS8-03	Project:	Ocala Crash Site
Lab #:	B608174-03	Work Order #:	B608174
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	09/20/06 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6I21003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.2 U	0.2	1.0	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.2 U	0.2	1.0	ug/L
Benzene	71-43-2	0.2 U	0.2	1.0	ug/L
Ethylbenzene	100-41-4	0.3 U	0.3	1.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.3 U	0.3	2.0	ug/L
o-Xylene	95-47-6	0.2 U	0.2	1.0	ug/L
Toluene	108-88-3	0.2 U	0.2	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	49.5	50.0	99 %	60-130
Dibromofluoromethane	1868-53-7	48.9	50.0	98 %	66-131
Toluene-d8	2037-26-5	50.3	50.0	101 %	67-139

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ANALYTICAL REPORT

Sample ID:	CEF-CS8-03	Project:	Ocala Crash Site
Lab #:	B608174-03	Work Order #:	B608174
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	09/26/06 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6I25003		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	0.02 U	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	0.02 U	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Naphthalene	91-20-3	0.02 U	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	3.73	5.00	75 %	10-167

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ANALYTICAL REPORT

Sample ID:	CEF-CS10-03	Project:	Ocala Crash Site
Lab #:	B608174-04	Work Order #:	B608174
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	09/20/06 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6I21003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	0.2 U	0.2	1.0	ug/L
1,3,5-Trimethylbenzene	108-67-8	0.2 U	0.2	1.0	ug/L
Benzene	71-43-2	0.2 U	0.2	1.0	ug/L
Ethylbenzene	100-41-4	0.3 U	0.3	1.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.3 U	0.3	2.0	ug/L
o-Xylene	95-47-6	0.2 U	0.2	1.0	ug/L
Toluene	108-88-3	0.2 U	0.2	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	49.9	50.0	100 %	60-130
Dibromofluoromethane	1868-53-7	50.5	50.0	101 %	66-131
Toluene-d8	2037-26-5	50.6	50.0	101 %	67-139

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ANALYTICAL REPORT

Sample ID:	CEF-CS10-03	Project:	Ocala Crash Site
Lab #:	B608174-04	Work Order #:	B608174
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	09/26/06 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6I25003		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	**0.35**	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	**0.28**	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Naphthalene	91-20-3	**0.06** I	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	3.55	5.00	71 %	10-167

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ANALYTICAL REPORT

Sample ID:	CEF-CS1A-03	Project:	Ocala Crash Site
Lab #:	B608174-05	Work Order #:	B608174
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	09/20/06 By: ds	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6I21003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,2,4-Trimethylbenzene	95-63-6	**115**	0.2	1.0	ug/L
1,3,5-Trimethylbenzene	108-67-8	**1.9**	0.2	1.0	ug/L
Benzene	71-43-2	**1.4**	0.2	1.0	ug/L
Ethylbenzene	100-41-4	**19.4**	0.3	1.0	ug/L
m,p-Xylenes	108-38-3/106-42-3	**8.1**	0.3	2.0	ug/L
o-Xylene	95-47-6	**0.5** I	0.2	1.0	ug/L
Toluene	108-88-3	**0.4** I	0.2	1.0	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51.6	50.0	103 %	60-130
Dibromofluoromethane	1868-53-7	50.5	50.0	101 %	66-131
Toluene-d8	2037-26-5	50.3	50.0	101 %	67-139

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ANALYTICAL REPORT

Sample ID:	CEF-CS1A-03	Project:	Ocala Crash Site
Lab #:	B608174-05	Work Order #:	B608174
Prep. Method:	EPA 3510C_MS	Matrix:	Ground Water
Analyzed:	09/26/06 By: jj	Unit:	ug/L
Anal. Method:	EPA 8270C	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6I25003		

Semivolatile Organic Compounds by GCMS SIM

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1-Methylnaphthalene	90-12-0	**21.6**	0.02	0.10	ug/L
2-Methylnaphthalene	91-57-6	**23.4**	0.02	0.10	ug/L
Benzo(a)anthracene	56-55-3	0.01 U	0.01	0.10	ug/L
Benzo(b)fluoranthene	205-99-2	0.03 U	0.03	0.10	ug/L
Naphthalene	91-20-3	**12.9**	0.02	0.10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
p-Terphenyl	92-94-4	3.29	5.00	66 %	10-167

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6I21003 - EPA 5030B_MS										
Blank (6I21003-BLK1)				Prepared: 09/19/2006 08:00 Analyzed: 09/20/2006 11:19						
Benzene	0.2 U	1.0	ug/L							
Toluene	0.2 U	1.0	ug/L							
Ethylbenzene	0.3 U	1.0	ug/L							
m,p-Xylenes	0.3 U	2.0	ug/L							
o-Xylene	0.2 U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.2 U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.2 U	1.0	ug/L							
Blank (6I21003-BLK2)				Prepared: 09/20/2006 08:00 Analyzed: 09/20/2006 17:32						
Benzene	0.2 U	1.0	ug/L							
Toluene	0.2 U	1.0	ug/L							
Ethylbenzene	0.3 U	1.0	ug/L							
m,p-Xylenes	0.3 U	2.0	ug/L							
o-Xylene	0.2 U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.2 U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.2 U	1.0	ug/L							
LCS (6I21003-BS1)				Prepared: 09/19/2006 08:00 Analyzed: 09/20/2006 11:49						
1,1-Dichloroethene	20.6	1.0	ug/L	20.0		103	31-145			
Benzene	20.0	1.0	ug/L	20.0		100	62-135			
Trichloroethene	22.4	1.0	ug/L	20.0		112	66-136			
Toluene	20.1	1.0	ug/L	20.0		101	74-126			
Chlorobenzene	19.9	1.0	ug/L	20.0		100	77-124			
Matrix Spike (6I21003-MS1)		**Source: B608257-02**		Prepared: 09/19/2006 08:00 Analyzed: 09/20/2006 12:18						
1,1-Dichloroethene	23.0	1.0	ug/L	20.0	0.2 U	115	58-149			
Benzene	21.8	1.0	ug/L	20.0	0.2 U	109	64-138			
Trichloroethene	21.2	1.0	ug/L	20.0	0.3 U	106	47-150			
Toluene	22.2	1.0	ug/L	20.0	0.2 U	111	72-124			
Chlorobenzene	21.6	1.0	ug/L	20.0	0.2 U	108	81-125			
Matrix Spike Dup (6I21003-MSD1)		**Source: B608257-02**		Prepared: 09/19/2006 08:00 Analyzed: 09/20/2006 12:48						
1,1-Dichloroethene	22.4	1.0	ug/L	20.0	0.2 U	112	58-149	3	26	
Benzene	21.2	1.0	ug/L	20.0	0.2 U	106	64-138	3	22	
Trichloroethene	20.1	1.0	ug/L	20.0	0.3 U	101	47-150	5	24	
Toluene	21.4	1.0	ug/L	20.0	0.2 U	107	72-124	4	24	
Chlorobenzene	21.0	1.0	ug/L	20.0	0.2 U	105	81-125	3	11	
Semivolatile Organic Compounds by GCMS SIM - Quality Control										
Batch 6I25003 - EPA 3510C_MS										
Blank (6I25003-BLK1)				Prepared: 09/25/2006 10:53 Analyzed: 09/25/2006 16:50						
Naphthalene	0.02 U	0.10	ug/L							
2-Methylnaphthalene	0.02 U	0.10	ug/L							
1-Methylnaphthalene	0.02 U	0.10	ug/L							
Benzo(a)anthracene	0.01 U	0.10	ug/L							
Benzo(b)fluoranthene	0.03 U	0.10	ug/L							
LCS (6I25003-BS1)				Prepared: 09/25/2006 10:53 Analyzed: 09/25/2006 17:08						
Naphthalene	1.56	0.10	ug/L	2.00		78	33-102			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Semivolatile Organic Compounds by GCMS SIM - Quality Control										
Batch 6I25003 - EPA 3510C_MS										
LCS (6I25003-BS1) Continued				Prepared: 09/25/2006 10:53 Analyzed: 09/25/2006 17:08						
Acenaphthene	1.57	0.10	ug/L	2.00		78	41-104			
Benzo(g,h,i)perylene	1.74	0.10	ug/L	2.00		87	10-159			
Benzo(a)pyrene	1.42	0.10	ug/L	2.00		71	38-125			
Surrogate: p-Terphenyl	*4.65*		*ug/L*	*5.00*		*93*	*10-167*			
Matrix Spike (6I25003-MS1)		**Source: B608253-01**		Prepared: 09/25/2006 10:53 Analyzed: 09/25/2006 17:25						
Naphthalene	1.45	0.10	ug/L	2.00	0.02 U	72	32-101			
Acenaphthene	1.48	0.10	ug/L	2.00	0.02 U	74	43-102			
Benzo(g,h,i)perylene	1.70	0.10	ug/L	2.00	0.03 U	85	10-173			
Benzo(a)pyrene	1.37	0.10	ug/L	2.00	0.01 U	68	37-127			
Surrogate: p-Terphenyl	*4.45*		*ug/L*	*5.00*		*89*	*10-167*			
Matrix Spike Dup (6I25003-MSD1)		**Source: B608253-01**		Prepared: 09/25/2006 10:53 Analyzed: 09/25/2006 17:43						
Naphthalene	1.47	0.10	ug/L	2.00	0.02 U	74	32-101	1	28	
Acenaphthene	1.46	0.10	ug/L	2.00	0.02 U	73	43-102	1	22	
Benzo(g,h,i)perylene	1.65	0.10	ug/L	2.00	0.03 U	82	10-173	3	35	
Benzo(a)pyrene	1.34	0.10	ug/L	2.00	0.01 U	67	37-127	2	19	
Surrogate: p-Terphenyl	*4.42*		*ug/L*	*5.00*		*88*	*10-167*			

NOTES AND DEFINITIONS

I	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

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

B608174

TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER 3395 PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112GN4117	OCALA CRASH SITE	MARK PETERSON	(904)636-6125	ENCO
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Terry Cottenoir		TERRY COTTENOIR	(904)636-6125	4810 EXECUTIVE PARK CT, STE 211
		CARRIER/WAYBILL NUMBER		CITY, STATE
		DROP- OFF		JACKSONVILLE, FL 32216

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

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: HCL NONE

DATE YEAR 2006	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOCs / 8260B	PAHs / 8310							COMMENTS
9/19	0000	CEF-DU01-03				GW	G	4	X	X							COOL TO 4°C
	1218	CEF-CS3-03						4	X	X							
	1246	CEF-CS8-03						4	X	X							
	1311	CEF-CS10-03						4	X	X							
✓	1341	CEF-CS1A-03				✓	✓	4	X	X							

TC

1. RELINQUISHED BY Terry Cottenoir	DATE 9/19/06	TIME 1640	1. RECEIVED BY J Hallgrave	DATE 9/19/06	TIME 1640
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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