N00204.AR.002170
NAS PENSACOLA
5090.3a

TETRA TECH NUS, INC.
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March 12, 2008

Ms. Patty Whittemore
Remedial Project Manager
Florida Department of Environmental Protection
Naval Facilities Engineering Command Southeast
Jacksonville, Florida

RE: Baseline Sampling Letter Report
Underground Storage Tank Site 1120
Outlying Landing Field Bronson
Pensacola, Florida

Dear Ms. Whittemore:

Tetra Tech NUS, Inc. (TtNUS) has completed the monitoring well installation and baseline groundwater sampling as detailed in the Treatability Study Work Plan for Underground Storage Tank (UST) Site 1120 prepared by TtNUS in August 2007. This letter report has been prepared to provide a description of field activities and summarizes the results of the baseline sampling event.

Monitoring Well Installation

On December 11 and 12, 2007, TtNUS installed additional monitoring wells to supplement the existing monitoring well network including both shallow and deep monitoring wells. Four shallow 2-inch diameter polyvinyl chloride (PVC) monitoring wells (MW-36, MW-37, MW-38, and MW-40) were installed to a depth of 25 feet below land surface (bls) at the locations shown on Figure 1. One deep 2-inch diameter PVC monitoring well (MW-39) was installed to a depth of 45 feet bls at the location shown on Figure 1. All monitoring wells were installed using hollow stem auger drilling methods. The monitoring wells were installed and constructed in accordance with Naval Facilities Engineering Command, Southeast (NAVFAC SE) and FDEP guidance documents. Soil boring logs and well construction details are included in Attachment I.

Baseline Groundwater Sampling

A round of baseline groundwater monitoring and sampling was conducted on December 13 and 14, 2007. The sampling included the five newly installed wells and the following ten existing wells: MW-5R, MW-7, MW-14R, MW-16R, MW-24, MW-25, MW-27, MW-28, MW-29, and MW-30. All samples were analyzed for Volatile Organic Compounds (VOCs USEPA Method SW846 8260B), Polynuclear Aromatic Hydrocarbons (PAH; USEPA Method SW846 8310), and

Total Recoverable Petroleum Hydrocarbons (TRPH; Florida Petroleum Range Organics).

The groundwater sampling logs providing detail on water levels, pH, temperature, conductivity, dissolved oxygen, and turbidity are provided in Attachment II. The laboratory analytical results and data validation are provided as Attachment III. A summary of the detected groundwater contaminants is provided in Table 1 and on Figure 2.

Results Summary

Monitoring well gauging results indicate groundwater flows across Site 1120 in a southwesterly direction from an elevation of approximately 7.6 feet above mean sea level (amsl) in the vicinity of MW-5R to a lower elevation of approximately 6.5 feet amsl near MW-32. Groundwater elevations are summarized in Table 2, and a Shallow Groundwater Flow Map is on Figure 3.

Analytical results indicated the presence of three VOCs in 12 of the 15 sampled wells including chloroform, ethylbenzene, and total xylenes,. However, all the detected VOC concentrations were below the Florida Groundwater Cleanup Target Levels (GCTLs) provided by Chapter 62-777 F.A.C.. Six PAHs, 1-methylnaphthalene, 2-methylnaphthalene, acenaphthene, fluorene, naphthalene, and phenanthrene were detected in groundwater samples from 5 of the 15 wells sampled. In addition, TRPH was identified at detectable concentrations in four of the wells sampled.

The groundwater sample from monitoring well MW-14R and the duplicate sample collected from the same well were the only samples to indicate PAH and TRPH concentrations above the GCTLs. The elevated concentrations of 1-methylnaphthalene (140 µg/L; duplicate 133 µg/L), 2-methylnaphthalene (178 µg/L; duplicate 172 µg/L), naphthalene (77.5 µg/L; duplicate 73.9 µg/L), and TRPH (6,960 µg/L; duplicate 6,100 µg/L) all exceeded the respective Florida GCLT but were less than the Florida Natural Attenuation Default Screening criteria (NADSC) provided in 62-770 F.A.C..

Recommendations

Based on the December 2007 baseline groundwater sampling event, MW-14R is the only monitoring well with PAH and TRPH concentrations above the GCTLs. The detected concentrations are below the NADSC and therefore the site qualifies for continuation of the MNA program under FDEP criteria. However during discussions between the Remedial Project Managers for TtNUS, NAVFACE SE, and FDEP on February 13, 2008, a decision was made to proceed with the proposed treatability study involving the injection of RegenOx™ in the vicinity of MW-14R at this time. The decision was made to be proactive in the remedial actions at the site and to expedite the schedule to final cleanup.

Therefore, TtNUS recommends the following course of action:

- TtNUS will redesign the proposed injection area and RegenOx™ amount but proceed with the implementation of the previously completed Treatability Study Work Plan submitted on August 23, 2007.

- TtNUS will complete quarterly sampling for a period of one year as specified in the work plan.

If you have any questions concerning the recommendation or this site in general, please contact me at 850/385-9899.

Sincerely Yours,

Gerald Walker

Gerald A. Walker, P.G.
Florida License No. PG-0001180
Task Order Manager
Tetra Tech NUS, Inc.
Tallahassee, Florida

Attachments

cc:
Greg Campbell
Mark Perry (unbound copy)
Debra Humbert (cover letter only)
File

TABLES

TABLE 1
SUMMARY OF LABORATORY DETECTED GROUNDWATER CONTAMINANTS
SITE 1120
OLF BRONSON, PENSACOLA, FLORIDA

WELL NAME	GCTL[1]	NADSC[2]	MW-5R	MW-7	MW-14R	MW-14R DUP	MW-16R	MW-24	MW-25	MW-27
SAMPLE ID			BRN-1120-MW05R	BRN-1120-MW07	BRN-1120-MW14R	BRN-1120-DUP01-1207	BRN-1120-MW16R	BRN-1120-MW24	BRN-1120-MW25	BRN-1120-MW27
SAMPLING EVENT			Baseline	Baseline	Baseline	Baseline	Baseline	Baseline	Baseline	Baseline
COLLECTION DATE			12/13/07	12/13/07	12/14/07	12/14/07	12/13/07	12/13/07	12/13/07	12/13/07
VOCs[3] (ug/L)										
CHLOROFORM	70	700	0.21U	0.58 J	0.21U	0.21U	0.39 J	1.6	0.26 J	3.3
ETHYLBENZENE	30	300	0.2 U	0.2 U	6	6.2	0.2 U	0.2 U	0.2 U	0.2 U
TOTAL XYLENES	20	200	0.56 U	0.56 U	9.3	10.2	0.56 U	0.56 U	0.56 U	0.56 U
PAHs[4] (ug/L)										
1-METHYLNAPHTHALENE	28	280	0.25 U	0.24 U	140	133	0.34 J	0.25 J	0.25 U	0.25 U
2-METHYLNAPHTHALENE	28	280	0.25 U	0.24 U	178	172	0.43 J	0.65 J	0.25 U	0.25 U
ACENAPHTHENE	20	200	0.5 U	0.49 U	2 U	2 U	0.5 U	0.49 U	0.5 U	0.5 U
FLUORENE	280	2800	0.25 U	0.24 U	4.8	4.7	0.25 U	0.24 U	0.25 U	0.25 U
NAPHTHALENE	14	140	0.25 U	0.24 U	77.5	73.9	0.25 U	0.24 U	0.25 U	0.25 U
PHENANTHRENE	210	2100	0.5 U	0.49 U	2.6 J	2.5 J	0.5 U	0.49 U	0.5 U	0.5 U
TRPH[5] (mg/L)										
TOTAL PETROLEUM HYDROCARBONS	5,000	50,000	1,113	170 U	6,960	6,100	170 U	206 J	170 U	180 U

WELL NAME	GCTL[1]	NADSC[2]	MW-28	MW-29	MW-30	MW-36	MW-37	MW-38	MW-39	MW-40
SAMPLE ID			BRN-1120-MW28	BRN-1120-MW29	OLFB1120MW30	BRN-1120-MW32	BRN-1120-MW35	BRN-1120-MW35	BRN-1120-MW35	BRN-1120-MW35
SAMPLING EVENT			Baseline	Baseline	Baseline	Baseline	Baseline	Baseline	Baseline	Baseline
COLLECTION DATE			12/14/07	12/14/07	12/14/07	12/13/07	12/13/07	12/13/07	12/13/07	12/13/07
VOCs[3] (ug/L)										
CHLOROFORM	70	700	4.1	11.1	5.6	3.5	25.5	0.21U	0.21U	0.47 J
ETHYLBENZENE	30	300	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
TOTAL XYLENES	20	200	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U	0.56 U
PAHs[4] (ug/L)										
1-METHYLNAPHTHALENE	28	280	0.25 U	0.25 U	1.2	0.25 U	0.24 U	0.24 U	0.24 U	12.8
2-METHYLNAPHTHALENE	28	280	0.25 U	0.25 U	2.4	0.25 U	0.24 U	0.69 J	0.24 U	17.2
ACENAPHTHENE	20	200	0.49 U	0.49 U	0.5 U	0.5 U	0.48 U	0.48 U	0.49 U	0.54 J
FLUORENE	280	2800	0.25 U	0.25 U	0.48 J	0.25 U	0.24 U	0.24 U	0.24 U	1.5
NAPHTHALENE	14	140	0.25 U	0.25 U	0.26 J	0.25 U	0.24 U	0.36 J	0.24 U	0.96 J
PHENANTHRENE	210	2100	0.49 U	0.49 U	0.5 U	0.5 U	0.48 U	0.48 U	0.49 U	1.1
TRPH[5] (mg/L)										
TOTAL PETROLEUM HYDROCARBONS	5,000	50,000	170 U	170 U	702	170 U	160 U	170 U	170 U	1,410

Notes:

140 Exceeds GCTL
300 Exceeds GCTL AND

[1] Groundwater Cleanup Target Level as provided in Chapter 62-777, FAC.
[2] Natural Attenuation Default Screening Criteria as provided
[3] VOCs (SW-846 8260B)
[4] PAHs = Polynuclear Aromatic Hydrocarbons (SW-846 8270 SIM)
[5] TRPH = Total Recoverable Petroleum Hydrocarbons (FDEP FL-PRO)

J = Estimated concentration
U = non-detect value
µg/L = micrograms per liter
FL-PRO = Florida Petroleum Range Organics
NC = No Criteria
FAC = Florida Administrative Code
TB = Trip Blank
NA = Not analyzed for this parameter
NS = Not sampled

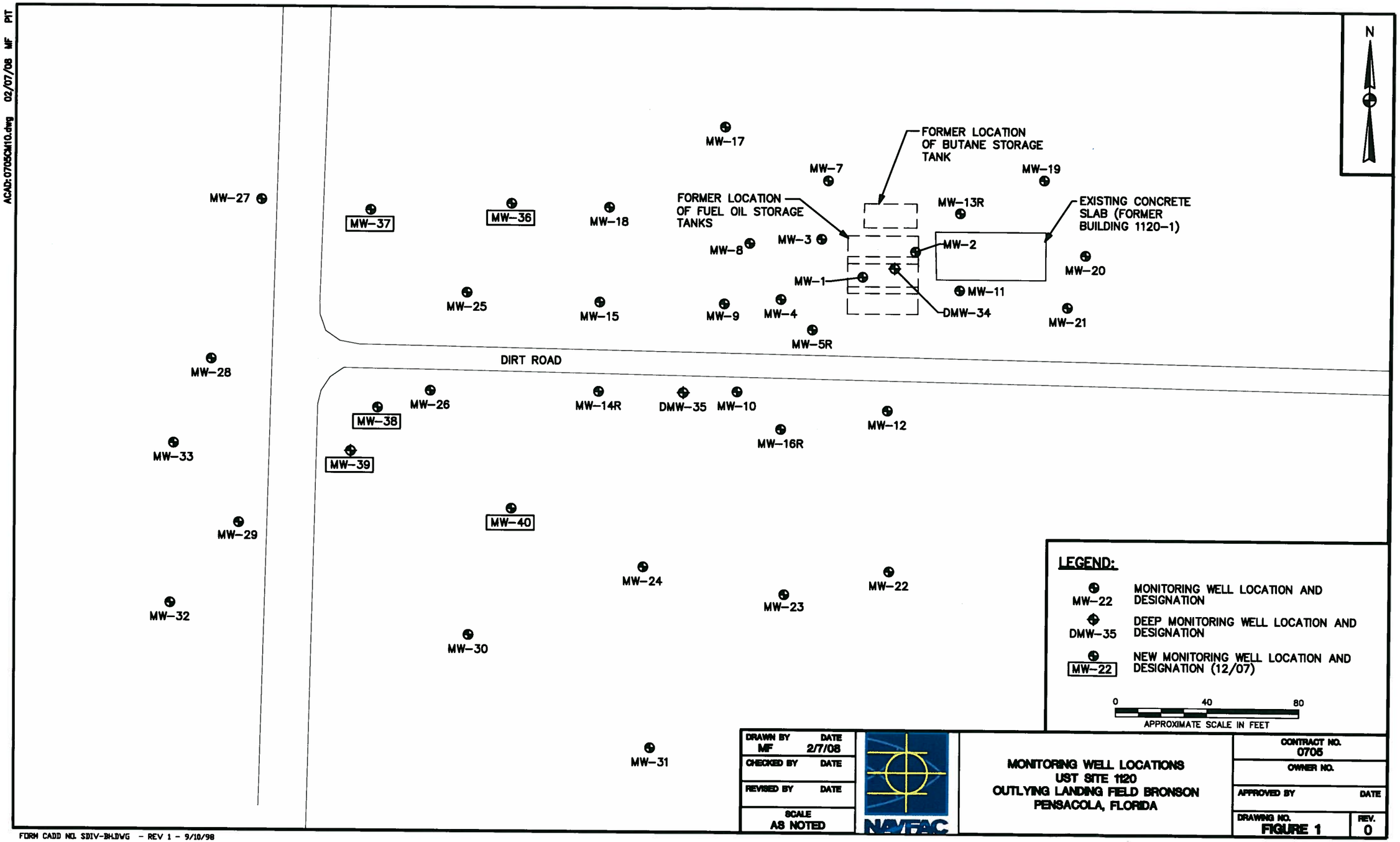
TABLE 2
GROUNDWATER ELEVATION
Site 1120
OLF BRONSON, PENSACOLA, FLORIDA
PAGE 1 OF 1

Monitoring Well Data				Water Level Measurement Data 12/14/2007			
Well Number	Installation Date	Installed Well Depth (ft)	TOC Elevation[1] (ft)	Depth to Water (ft)	Measured Well Depth (ft)	Groundwater Elevation (ft)	notes
MW-1	05/24/95	18.85	22.89	NF	--	--	
MW-2	03/29/96	23.5	22.97	14.99	23.45	7.98	
MW-3	03/29/96	23.5	23.63	Dry	16.32	NA	Well was blocked or obstructed
MW-4	03/29/96	22.5	21.97	Dry	15.40	NA	Well was blocked or obstructed
MW-5R	07/23/02	22.5	21.25	13.61	25.15	7.64	
MW-6	03/29/96	22.5	21.19	NF	--	--	
MW-7	05/14/96	22.0	22.35	14.62	21.62	7.73	
MW-8	05/14/96	22.0	22.79	Dry	16.35	NA	Well was blocked or obstructed
MW-9	05/14/96	22.0	22.55	NF	--	--	
MW-10	05/14/96	22.0	22.10	14.20	17.19	7.90	Well was blocked or obstructed
MW-11	05/14/96	22.0	21.32	Dry	12.90	NA	Well was blocked or obstructed
MW-12	05/14/96	22.0	21.55	NF	--	--	
MW-13R	07/23/02	22.0	22.31	15.00	25.00	7.31	
MW-14R	07/24/02	22.0	22.47	15.40	24.55	7.07	
MW-15	07/31/96	22.0	23.27	Dry	14.54	NA	Well was blocked or obstructed
MW-16R	07/24/02	22.0	21.38	14.25	24.70	7.13	
MW-17	08/01/96	22.0	23.60	Dry	16.15	NA	Well was blocked or obstructed
MW-18	08/01/96	22.0	23.48	Dry	16.04	NA	Well was blocked or obstructed
MW-19	08/01/96	22.0	23.11	15.43	22.03	7.68	
MW-20	08/01/96	22.0	22.74	Dry	14.41	NA	Well was blocked or obstructed
MW-21	08/01/96	22.0	21.13	13.55	14.09	7.58	Well was blocked or obstructed
MW-22	09/18/96	24.0	20.90	13.60	24.35	7.30	
MW-23	09/18/96	23.0	21.41	14.15	14.80	7.26	Well was blocked or obstructed
MW-24	09/18/96	23.0	22.34	15.45	24.94	6.89	
MW-25	09/19/96	24.0	23.16	16.15	17.23	7.01	Well was blocked or obstructed
MW-26	09/19/96	24.0	23.80	NF	--	--	
MW-27	10/22/96	25.0	25.44	18.64	22.55	6.80	
MW-28	10/22/96	25.0	25.57	18.97	22.38	6.60	
MW-29	10/22/96	25.0	23.92	17.24	24.90	6.68	
MW-30	10/22/96	25.0	22.60	15.93	24.55	6.67	
MW-31	10/22/96	25.0	22.07	15.22	16.20	6.85	Well was blocked or obstructed
MW-32	12/10/96	25.0	23.32	16.80	17.83	6.52	Well was blocked or obstructed
MW-33	12/10/96	25.0	25.00	Dry	16.88	NA	Well was blocked or obstructed
DMW-34	01/29/97	40.0	24.35	16.07	38.70	8.28	
DMW-35	05/22/00	39.5	25.15	NF	--	--	
MW-36	12/11/07	25.0	23.75	16.64	25.13	7.11	
MW-37	12/11/07	25.0	24.60	17.74	25.17	6.86	
MW-38	12/11/07	25.0	23.24	16.42	25.30	6.82	
DMW-39	12/12/07	45.0	23.49	16.69	45.80	6.80	
MW-40	12/12/07	25.0	22.26	15.36	25.20	6.90	

Notes:
[1] TOC Elevations based upon arbitrary elevation datum of 30 ft. assigned to MW-1 TOC.
TOC - Top of Casing
BTOC - Below Top of Casing
Dry - no water detected in well
NA - Not applicable
NF - Not Found, well could either not be located or accessed

FIGURES

ACAD:0705CM10.dwg 02/07/08 MF PIT



LEGEND:

MW-22	MONITORING WELL LOCATION AND DESIGNATION
DMW-35	DEEP MONITORING WELL LOCATION AND DESIGNATION
MW-22	NEW MONITORING WELL LOCATION AND DESIGNATION (12/07)

0 40 80
APPROXIMATE SCALE IN FEET

DRAWN BY MF	DATE 2/7/08	
CHECKED BY	DATE	
REVISED BY	DATE	
SCALE AS NOTED		

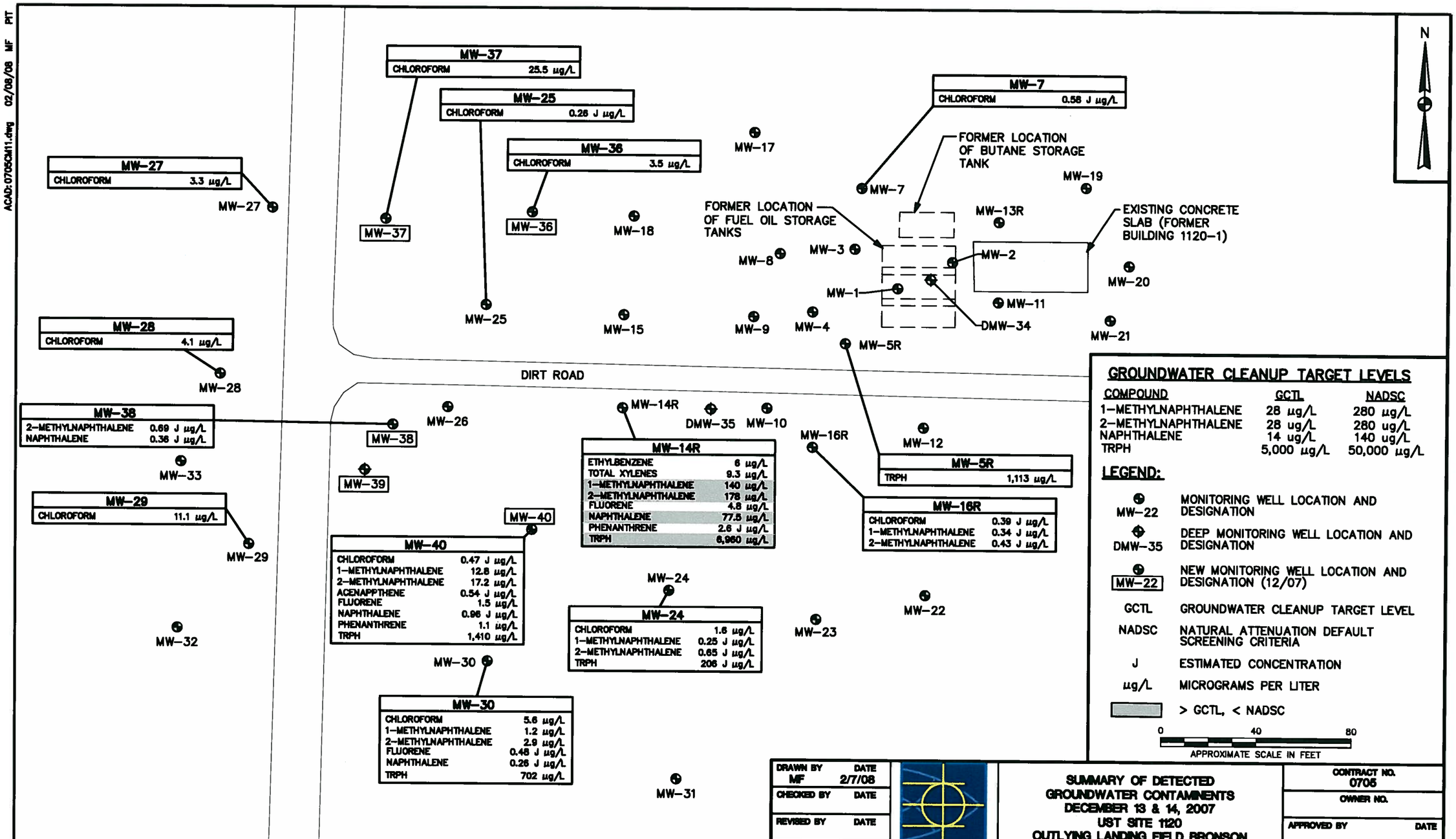
NAVFAC

MONITORING WELL LOCATIONS
UST SITE 1120
OUTLYING LANDING FIELD BRONSON
PENSACOLA, FLORIDA

CONTRACT NO. 0705	
OWNER NO.	
APPROVED BY	DATE
DRAWING NO. FIGURE 1	REV. 0

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

ACAD: 0705CM11.dwg 02/08/08 MF PIT



GROUNDWATER CLEANUP TARGET LEVELS

COMPOUND	GCTL	NADSC
1-METHYLNAPHTHALENE	28 µg/L	280 µg/L
2-METHYLNAPHTHALENE	28 ug/L	280 ug/L
NAPHTHALENE	14 ug/L	140 ug/L
TRPH	5,000 µg/L	50,000 µg/L

LEGEND:

MW-22	MONITORING WELL LOCATION AND DESIGNATION
DMW-35	DEEP MONITORING WELL LOCATION AND DESIGNATION
MW-22	NEW MONITORING WELL LOCATION AND DESIGNATION (12/07)
GCTL	GROUNDWATER CLEANUP TARGET LEVEL
NADSC	NATURAL ATTENUATION DEFAULT SCREENING CRITERIA
J	ESTIMATED CONCENTRATION
µg/L	MICROGRAMS PER LITER
	> GCTL, < NADSC

0 40 80
APPROXIMATE SCALE IN FEET

DRAWN BY	DATE
MF	2/7/08
CHECKED BY	DATE
REVISED BY	DATE
SCALE AS NOTED	

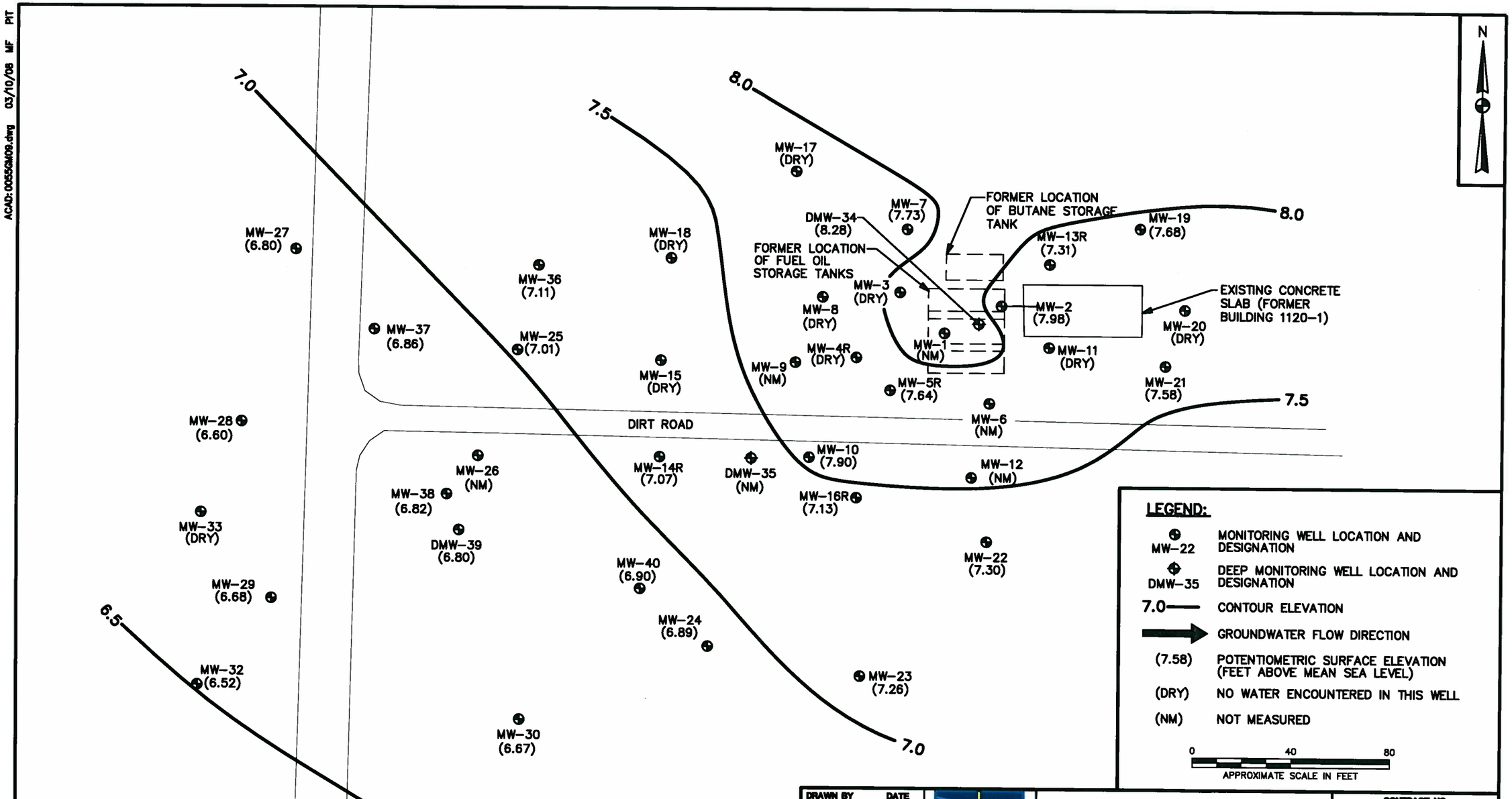
NAVFAC

SUMMARY OF DETECTED GROUNDWATER CONTAMINENTS
DECEMBER 13 & 14, 2007
UST SITE 1120
OUTLYING LANDING FIELD BRONSON
PENSACOLA, FLORIDA

CONTRACT NO. 0705
OWNER NO.
APPROVED BY DATE
DRAWING NO. FIGURE 2
REV. 0

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

ACAD:0055GM09.dwg 03/10/08 MF PIT



LEGEND:

MW-22	MONITORING WELL LOCATION AND DESIGNATION
DMW-35	DEEP MONITORING WELL LOCATION AND DESIGNATION
7.0	CONTOUR ELEVATION
	GROUNDWATER FLOW DIRECTION
(7.58)	POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
(DRY)	NO WATER ENCOUNTERED IN THIS WELL
(NM)	NOT MEASURED

0 40 80
APPROXIMATE SCALE IN FEET

DRAWN BY MF	DATE 3/6/08	SHALLOW GROUNDWATER FLOW UST SITE 1120 DECEMBER 13, 2007 OUTLYING LANDING FIELD BRONSON PENSACOLA, FLORIDA	CONTRACT NO. 0055
CHECKED BY	DATE		OWNER NO.
REVISED BY	DATE		APPROVED BY / DATE
SCALE AS NOTED			DRAWING NO. FIGURE 3 / REV. 0

NAVFAC

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

ATTACHMENT I

SOIL BORING LOGS
WELL CONSTRUCTION LOGS

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: site 1120 TS
PROJECT NUMBER: 112G03705
DRILLING COMPANY: Cosham drilling
DRILLING RIG: mobil B61

BORING NUMBER: MW36
DATE: 12-11-07
GEOLOGIST: Cidan
DRILLER: Gene Baur

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0						tan	~~sandy~~ silty sand		hard auger to 4'				
5						tan	silty sand					0.0	0.0
10						tan	silty sand					0.0	0.0
15						tan	silty sand					0.0	0.0
						~~white~~ tan	silty sand						
						orange	silty sand						
20						orange	silty sand					0.0	0.0
						tan	1st tan silty sand						
25						tan	silty sand						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0.0

Remarks:

Converted to Well: Yes ✓ No ___ Well I.D. #: MW36

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: S.t 1120 TS
PROJECT NUMBER: 112[illegible]
DRILLING COMPANY: Custom drilling
DRILLING RIG: mobil B61
BORING NUMBER: MW37
DATE: 12/11/07
GEOLOGIST: S. Odom
DRILLER: George Baur

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0						tan	silty sand		hand auger to 4'				
5						tan	silty sand					0.0	0.0
						tan	silty sand						
						tan	silty sand						
10						tan	silty sand					0.0	0.0
						tan	silty sand						
15						tan	silty sand					0.0	0.0
						tan	silty sand						
						tan	silty sand						
						brown	silty sand						
20						brown	silty sand					0.0	0.0
						brown	silty sand						
						brown	silty sand					0.0	0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: site 1120 TS
PROJECT NUMBER: 112G00705
DRILLING COMPANY: Custom Drilling
DRILLING RIG: mobil B61
BORING NUMBER: 38
DATE: 12/11/2001
GEOLOGIST: Clodan
DRILLER: Gene Bauer

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0						dk brn	silty sand						
5						lt brn	silty sand					0	0.0
						lt brn	silty sand						
10						tan	silty sand					0	0.0
						tan	silty sand						
15						tan	silty sand					0.0	0.0
						tan	silty sand						
20						tan	silty sand					0.0	0.0
						[illegible]	silty sand		very fine				
						[illegible]	silty sand		silty sand				
25						[illegible]	silty sand					0.0	0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ✓ No ___ Well I.D. #: MW38

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: 1120 TS
PROJECT NUMBER: 112G02705
DRILLING COMPANY: Custom Drilling
DRILLING RIG: Mobil B61
BORING NUMBER: 39D
DATE: 12/12/07
GEOLOGIST: C Odom
DRILLER: Gene Baur

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					tan	silty sand		hand auger 0-4'				
	5					tan	silty sand					0.0	0.0
						tan	silty sand						
	10					tan	silty sand					0.0	0.0
						tan	silty sand						
	15					tan	silty sandy					0.0	0.0
						tan	silty sand						
	20					tan	silty sand					0.0	0.0
						tan	silty sand						
	25					tan	silty sand					0.0	0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes ✓ No _____ Well I.D. #: MW 39D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: 1120 TS
PROJECT NUMBER: 112G00705
DRILLING COMPANY: Cushing Drilling
DRILLING RIG: Mobil B61

BORING NUMBER: 38D
DATE: 12/12/07
GEOLOGIST: C. Odom
DRILLER: Gene Baur

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
25						tan	silty sand						
									wet returns				
30						tan	silty sand					0.0	0.0
						tan	silty sand						
35						tan	silty sand					0.0	0.0
						tan	silty sand						
40						tan	silty sand					0.0	0.0
						tan	silty sand						
45						tan	silty sand					2.1	0.0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

Converted to Well: Yes _____ No _____ Well I.D. #: MW38D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: Sit 1120 TS
PROJECT NUMBER: 112600705
DRILLING COMPANY: Custom Drilling
DRILLING RIG: mobile B61
BORING NUMBER: 40
DATE: 12/12/04
GEOLOGIST: C. Dam
DRILLER: Gene Baur

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0						tan	silty sand						
5						tan	silty sand					0.0	0.0
						tan	silty sand						
						tan	silty sand						
						tan	silty sand						
10						tan	silty sand					0.0	0.0
						tan	silty sand						
								*					
15						tan	silty sand					0.0	0.0
						tan	silty sand						
						brown	silty sand						
20						brown	silty sand					0.0	0.0
						brown	silty sand						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks:

Drilling Area Background (ppm): 0.0

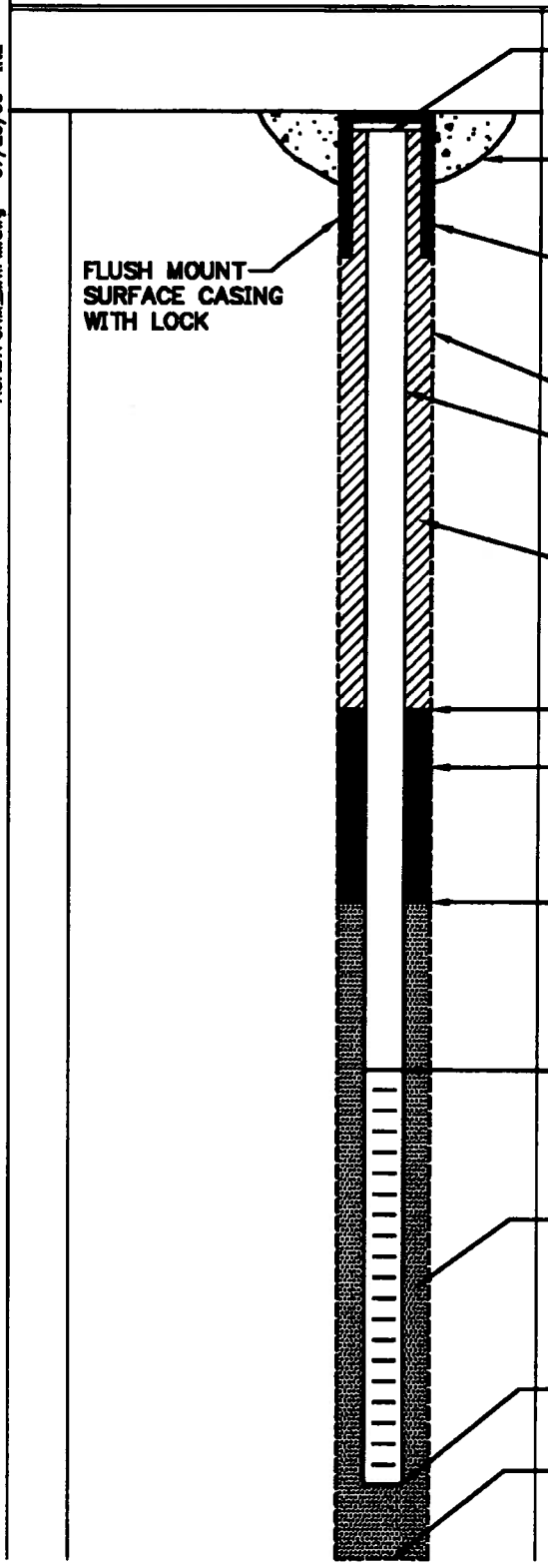
Converted to Well: Yes ✓ No _____ Well I.D. #: MW40

WELL NO.: MW36

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT: site 1120 TS	LOCATION: site 1120	DRILLER: Geo Bore
PROJECT NO.: 12 600705	BORING: MW36	DRILLING METHOD: HSA
DATE BEGUN: 12/11/2007	DATE COMPLETED: 12/11/2007	
FIELD GEOLOGIST: Curtis Dam		DEVELOPMENT METHOD: Stainless pump
GROUND ELEVATION:	DATUM: ground surface	



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: _____

TYPE OF PROTECTIVE CASING: _____

I.D. OF PROTECTIVE CASING: _____

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2.0"

TYPE OF BACKFILL/SEAL: _____

ELEVATION/DEPTH TOP OF SEAL: 11

TYPE OF SEAL: type II portland cement

ELEVATION/DEPTH TOP OF SAND: 119

ELEVATION/DEPTH TOP OF SCREEN: 10

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH: _____

TYPE OF SAND PACK: 20/30

DIAMETER OF HOLE IN BEDROCK: _____

ELEVATION / DEPTH BOTTOM OF SCREEN: 25

ELEVATION / DEPTH BOTTOM OF SAND: 25

ELEVATION/DEPTH BOTTOM OF HOLE: 25

BACKFILL MATERIAL BELOW SAND: 0

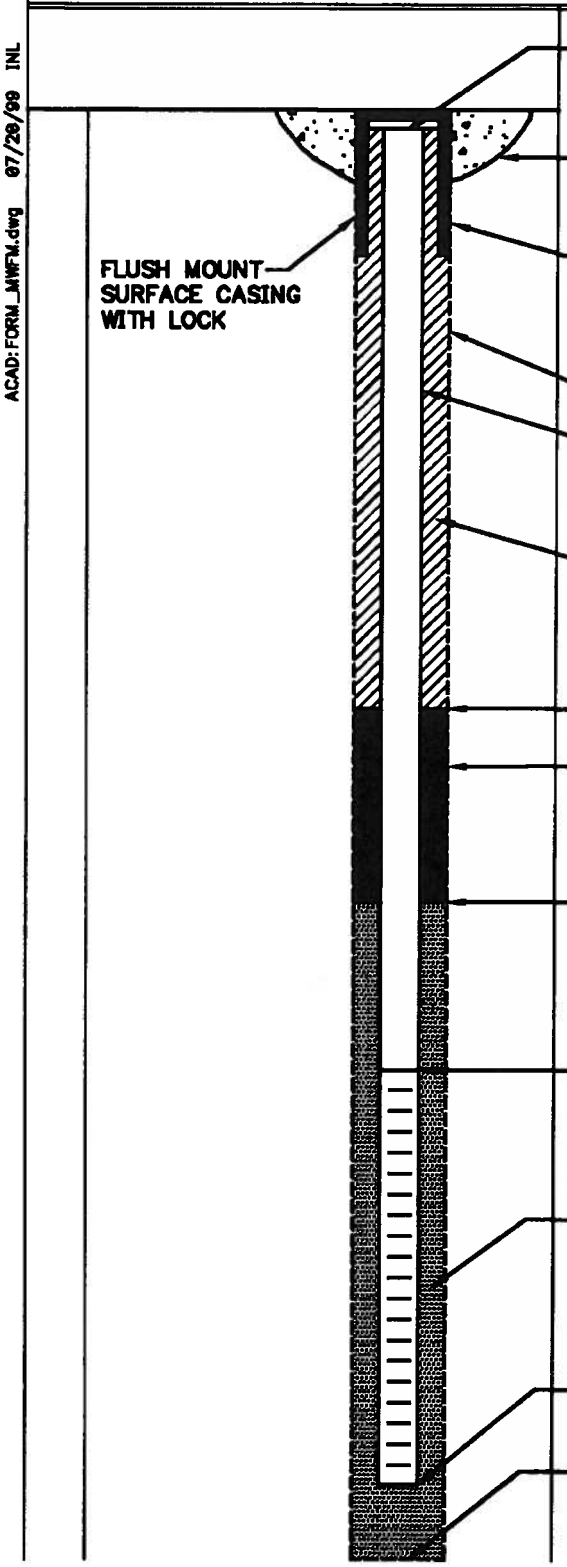
ACAD:FORM_MWFM.dwg 07/26/99 INL

WELL NO.: mw 37

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT site 1120 TS	LOCATION site 1120	DRILLER Gene Baur
PROJECT NO. 112G00705	BORING mw 37	DRILLING METHOD HSA
DATE BEGUN 12/11/2002	DATE COMPLETED 12/11/2002	DEVELOPMENT METHOD submersible pump
FIELD GEOLOGIST Curtis Oden		
GROUND ELEVATION	DATUM ground surface	



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL:

TYPE OF PROTECTIVE CASING:

I.D. OF PROTECTIVE CASING:

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2.0"

TYPE OF BACKFILL/SEAL:

ELEVATION/DEPTH TOP OF SEAL: 11

TYPE OF SEAL: type II portland cement

ELEVATION/DEPTH TOP OF SAND: 19

ELEVATION/DEPTH TOP OF SCREEN: 10

TYPE OF SCREEN: PVC

SLOT SIZE x LENGTH:

TYPE OF SAND PACK: 20/30

DIAMETER OF HOLE IN BEDROCK:

ELEVATION / DEPTH BOTTOM OF SCREEN: 25

ELEVATION / DEPTH BOTTOM OF SAND: 25

ELEVATION/DEPTH BOTTOM OF HOLE: 25

BACKFILL MATERIAL BELOW SAND: 0

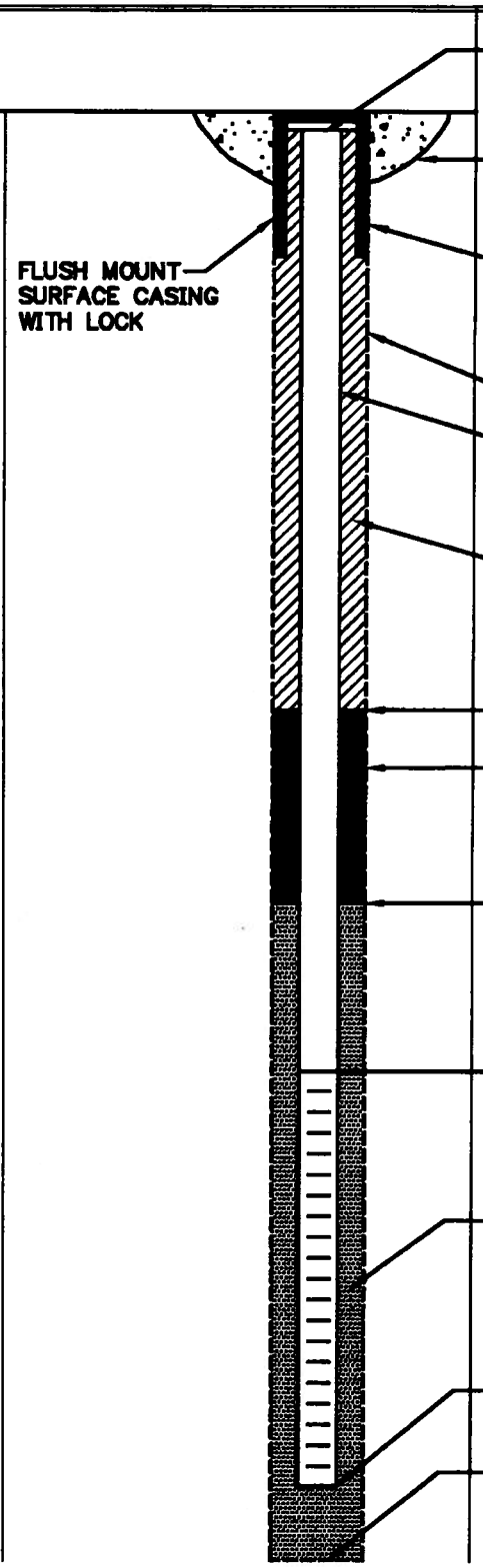
ACAD: FORM_MWFM.dwg 07/20/99 INL

WELL NO.: MW 38

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT site 1120 TS	LOCATION OLF Brown site 1120	DRILLER Gene Baur
PROJECT NO. 112G00705	BORING 38	DRILLING METHOD HSA
DATE BEGUN 12/11/2002	DATE COMPLETED 12/11/02	
FIELD GEOLOGIST Cort Odom		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM Ground Surface	



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL:

TYPE OF PROTECTIVE CASING:

I.D. OF PROTECTIVE CASING:

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2.0"

TYPE OF BACKFILL/SEAL:

ELEVATION/DEPTH TOP OF SEAL: 11

TYPE OF SEAL: type II portland cement

ELEVATION/DEPTH TOP OF SAND: 9

ELEVATION/DEPTH TOP OF SCREEN: 10

TYPE OF SCREEN:

SLOT SIZE x LENGTH:

TYPE OF SAND PACK: 20/30

DIAMETER OF HOLE IN BEDROCK:

ELEVATION / DEPTH BOTTOM OF SCREEN: 25

ELEVATION / DEPTH BOTTOM OF SAND: 25

ELEVATION/DEPTH BOTTOM OF HOLE: 25

BACKFILL MATERIAL BELOW SAND: 0

ACAD: FORM_MWFM.dwg 07/28/99 INL

WELL NO.: _____

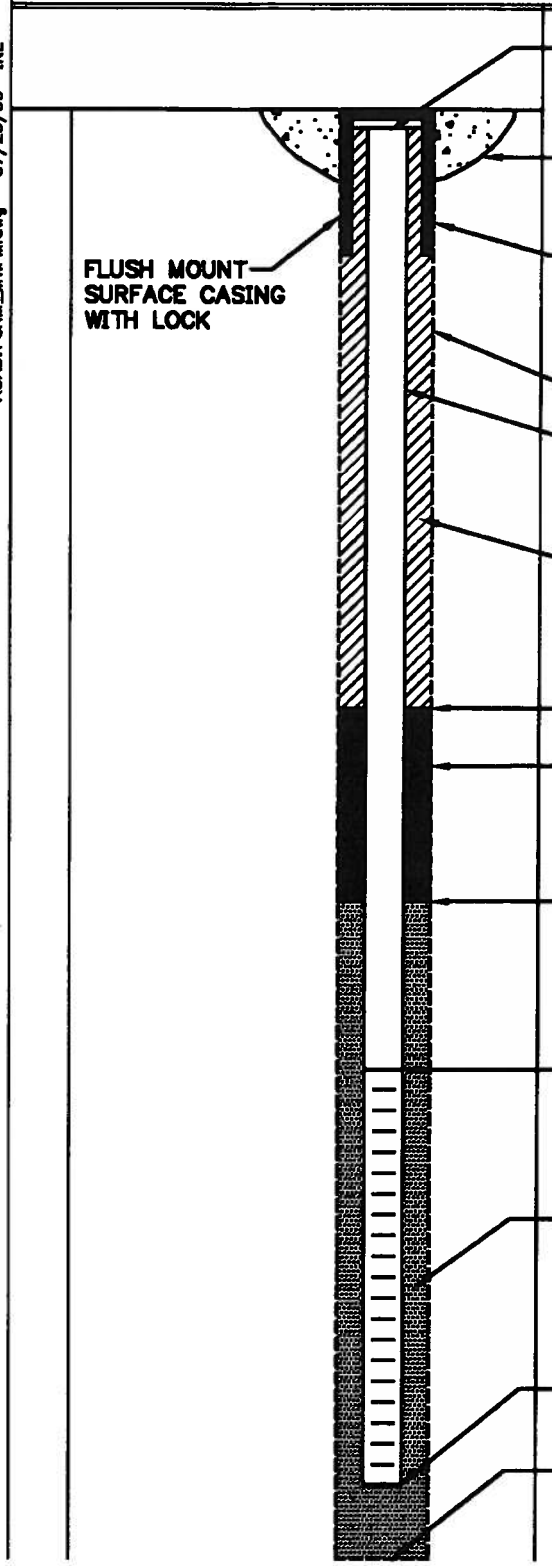
Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT Site 1120 TS
PROJECT NO. 112G07705
DATE BEGUN 12/12/07
FIELD GEOLOGIST Curtis Dolan
GROUND ELEVATION _____

LOCATION DLP Bowson
BORING 39
DATE COMPLETED 12/12/07
DATUM ground surface

DRILLER Geo Bor
DRILLING METHOD HSA
DEVELOPMENT METHOD _____



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: concrete

TYPE OF PROTECTIVE CASING: _____

I.D. OF PROTECTIVE CASING: _____

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2.0" ø

TYPE OF BACKFILL/SEAL: _____

ELEVATION/DEPTH TOP OF SEAL: 11

TYPE OF SEAL: type II portland cement

ELEVATION/DEPTH TOP OF SAND: 139

ELEVATION/DEPTH TOP OF SCREEN: 140

TYPE OF SCREEN: _____

SLOT SIZE x LENGTH: _____

TYPE OF SAND PACK: 20/30

DIAMETER OF HOLE IN BEDROCK: _____

ELEVATION / DEPTH BOTTOM OF SCREEN: 145

ELEVATION / DEPTH BOTTOM OF SAND: 145

ELEVATION/DEPTH BOTTOM OF HOLE: 145

BACKFILL MATERIAL BELOW SAND: 0

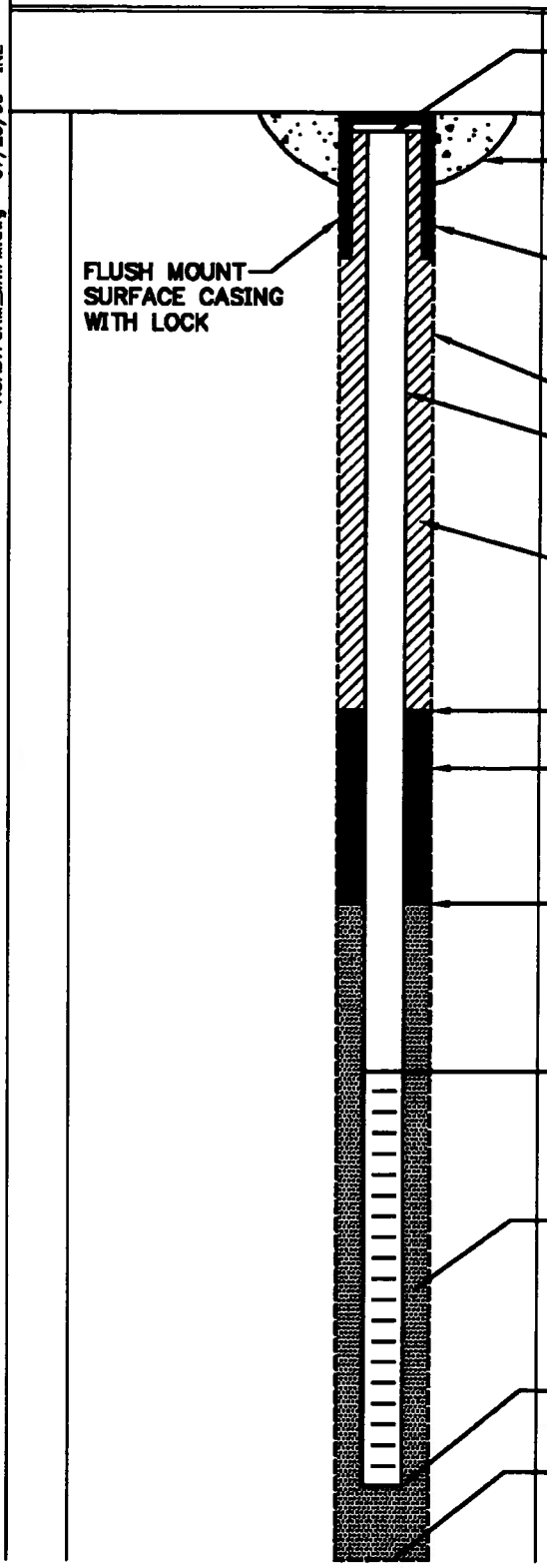
ACAD:FORM_MWFM.dwg 07/28/99 INL

WELL NO.: MW4J

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT Site 1120 TS	LOCATION OLF Brosser	DRILLER Geo Bor
PROJECT NO. 112G07705	BORING 4J	DRILLING METHOD HSA
DATE BEGUN 12/12/07	DATE COMPLETED 12/12/07	
FIELD GEOLOGIST C. Cohn		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM Ground surface	



ELEVATION TOP OF RISER:

TYPE OF SURFACE SEAL: Concrete

TYPE OF PROTECTIVE CASING: Cast iron

I.D. OF PROTECTIVE CASING: 8"

DIAMETER OF HOLE: 8"

TYPE OF RISER PIPE: PVC

RISER PIPE I.D.: 2.0"

TYPE OF BACKFILL/SEAL:

ELEVATION/DEPTH TOP OF SEAL: 11

TYPE OF SEAL: type II portland cement

ELEVATION/DEPTH TOP OF SAND: 9

ELEVATION/DEPTH TOP OF SCREEN: 10

TYPE OF SCREEN:

SLOT SIZE x LENGTH:

TYPE OF SAND PACK: 20/30

DIAMETER OF HOLE IN BEDROCK:

ELEVATION / DEPTH BOTTOM OF SCREEN: 25

ELEVATION / DEPTH BOTTOM OF SAND: 25

ELEVATION/DEPTH BOTTOM OF HOLE: 25

BACKFILL MATERIAL BELOW SAND: 0

ACAD:FORM_MWFM.dwg 07/20/99 INL

ATTACHMENT II

GROUNDWATER SAMPLING LOGS

Florida Department of Environmental Protection
GROUNDWATER SAMPLING LOG

SITE NAME: ~~Naval Support Activity Panama City SWMU 2~~ 1120	SITE LOCATION: ~~Panama City Beach, Florida~~ OLF Brown
WELL NO: MW05R	SAMPLE ID: BRN-1120-MW05R-1207 DATE: 12/13/07

PURGING DATA

WELL DIAMETER (in): 1.25"	TOTAL WELL DEPTH (ft): 25.15	STATIC DEPTH TO WATER (ft): 14.55	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

=(–)X = 6L

PURGE METHOD: Low flow / Peristaltic pump	PURGE INITIATED AT: 1430	PURGE ENDED AT: 1450	TOTAL VOL. PURGED ~~(gal)~~ L 6.0

TIME	VOLUME PURGED ~~(gal)~~ L	CUMUL. VOLUME PURGED ~~(gal)~~ L	PURGE RATE ~~(gpm)~~ ml/m	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. ~~(µmhos)~~ uS/cm	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1435	1.5	1.5	300	14.76	5.57	23.61	180	3.15	96	cloudy	none
1440	1.5	3.0	300	14.76	5.52	23.57	170	2.28	35	slightly cloudy	"
1445	1.5	4.5	300	14.76	5.54	23.58	173	2.33	22	"	"
1450	1.5	6.0	300	14.76	5.55	23.59	173	2.31	19	clear	"

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Curtis Odom / TWJ	SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): Peristaltic pump – Grab sample	SAMPLING INITIATED AT: 1450 / SAMPLING ENDED AT: 1500
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) / DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
3			HCl			VOC
2			—			PAH
2			H_2SO_4			TRPH

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

The above do not constitute all of the information required by Chapter 62-160, F.A.C.

Florida Department of Environmental Protection
GROUNDWATER SAMPLING LOG

SITE NAME: ~~Naval Support Activity Panama City SWMU 2~~ 1120	SITE LOCATION: ~~Panama City Beach, Florida~~ OLF Bronson
WELL NO: MW07	SAMPLE ID: BRW-1120-MW07-1207 / DATE: 12/13/07

PURGING DATA

WELL DIAMETER (in):	TOTAL WELL DEPTH (ft):	STATIC DEPTH TO WATER (ft): 14.61	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (–) x 6.0 =

PURGE METHOD: Low flow / Peristaltic pump	PURGE INITIATED AT: 1340	PURGE ENDED AT: ~~1340~~	TOTAL VOL. PURGED (gal):

TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE ~~(gpm)~~ mL/min	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. ~~(µmhos)~~ uS/cm	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1345	1.0	1.0	200	15.01	4.75	22.59	57	2.13	28	slight cloudy	none
1350	1.0	2.0	200	15.01	4.77	22.54	57	2.44	19	clear	"
1355	1.0	3.0	200	15.01	4.77	22.52	57	2.49	17	"	"
1400	1.0	4.0	200	15.01	4.75	22.51	57	2.44	12	"	"
1405	1.0	5.0	200	15.01	4.77	22.51	57	2.48	"	"	"
1410	1.0	6.0	200	15.01	4.76	22.50	56	2.49	"	"	"

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Curtis Odom / Tetra Tech	SAMPLER(S) SIGNATURE(S): Curtis Odom
SAMPLING METHOD(S): Peristaltic pump – Grab sample	SAMPLING INITIATED AT: 1410 / SAMPLING ENDED AT: 1420

FIELD DECONTAMINATION: Y (N) FIELD-FILTERED: Y (N) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
			HCl			VOC
			—			PAH
			H_2SO_4			TRPH

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

Florida Department of Environmental Protection
GROUNDWATER SAMPLING LOG

SITE NAME: ~~Naval Support Activity Panama City SWMU 2~~ 1120	SITE LOCATION: ~~Panama City Beach, Florida~~ DLF Brown
WELL NO: MW 14R	SAMPLE ID: BRN-1120-MW14R-1207 DATE: 12/14/07

PURGING DATA

WELL DIAMETER (in): 1.25"	TOTAL WELL DEPTH (ft): 24.5	STATIC DEPTH TO WATER (ft): 15.38	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY = 6L

= (–) X =

PURGE METHOD: Low flow / Peristaltic pump	PURGE INITIATED AT: 0825	PURGE ENDED AT: 0855	TOTAL VOL. PURGED ~~(gal)~~ L 6

TIME	VOLUME PURGED ~~(gal)~~ L	CUMUL. VOLUME PURGED ~~(gal)~~ L	PURGE RATE ~~(gpm)~~ mL/m	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos) us/cm	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
0830	1	1	200	16.44	5.87	21.93	110	1.82	62	cloudy	petrol
0835	1	2	200	16.44	6.00	22.27	126	1.12	15	clear	"
0840	1	3	200	16.44	6.06	22.38	134	0.70	7	"	"
0845	1	4	200	16.44	6.07	22.45	137	0.70	4	"	"
0850	1	5	200	16.44	6.09	22.48	139	0.56	3	"	"
0855	1	6	200	16.44	6.09	22.49	140	0.53	1	"	"

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Curtis Odom / TWJ	SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): Peristaltic pump – Grab sample	SAMPLING INITIATED AT: 0855 / SAMPLING ENDED AT: 0905
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y (N) / DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2			—			PAH
2			H_2SO_4			TRPH
3			HCl			VOC

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

Florida Department of Environmental Protection
GROUNDWATER SAMPLING LOG

SITE NAME: ~~Naval Support Activity Panama City SWMU 2~~ 1120	SITE LOCATION: ~~Panama City Beach, Florida~~ OLF Bronson	
WELL NO: MW16R	SAMPLE ID: BRW-1120-MW16R-1207	DATE: 12/13/07

PURGING DATA

WELL DIAMETER (in):	TOTAL WELL DEPTH (ft): 24.6	STATIC DEPTH TO WATER (ft): 14.25	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (–) X = 6L

PURGE METHOD: Low flow / Peristaltic pump	PURGE INITIATED AT: 1542	PURGE ENDED AT: 1602	TOTAL VOL. PURGED ~~(gal)~~: 6L

TIME	VOLUME PURGED ~~(gal)~~ L	CUMUL. VOLUME PURGED ~~(gal)~~ L	PURGE RATE ~~(gpm)~~ mL/m	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos) µS/cm	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1547	1.5	1.5	300	14.35	5.97	22.52	66	8.64	36	slightly cloudy	none
1552	1.5	3.0	300	14.38	5.95	22.50	67	8.76	9	clear	"
1557	1.5	4.5	300	14.38	5.97	22.49	67	8.77	7	"	"
1602	1.5	6.0	300	14.38	5.96	22.49	67	8.72	8	"	"

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Curtis Odom / Tnoj	SAMPLER(S) SIGNATURE(S): [signature]	
SAMPLING METHOD(S): Peristaltic pump – Grab sample	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N)	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2			—			PAH
3			HCl			VOC
2			H_2SO_4			TRPH

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

ATTACHMENT G

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

FACILITY NAME: DLF BRONSON, PENSACOLA ~~Pine Ridge C&D/Closed Class III Landfill~~	FACILITY LOCATION: Pensacola, FL	
MONITORING ~~SITE~~ NUM: TIW 24	SAMPLE ID ~~WELL~~: BRN-1120-TIW24-1207	DATE: 12-13-07

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 15.46	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (16.30 feet – 15.46 feet) x 0.16 gallons/foot = 0.134 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1555	PURGING ENDED AT: 1613	TOTAL VOLUME PURGED (gallons): 1.26

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1555			0.07	15.46							
1558	0.21	0.21	0.07	15.48	5.01	22.64	60	1.43	129	Light Brown	None
1601	0.21	0.42	0.07	15.50	4.97	22.64	60	0.85	88.2	Light Brown	None
1604	0.21	0.63	0.07	15.50	5.02	22.63	59	2.33	26.8	Light Brown	None
1607	0.21	0.84	0.07	15.50	4.92	22.64	59	0.57	14.5	Clear	None
1610	0.21	1.05	0.07	15.50	4.91	22.64	61	0.40	11.7	Clear	None
1613	0.21	1.26	0.07	15.50	4.87	22.64	61	0.34	8.66	Clear	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Maria Paituvi / Env. Engineer	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1615	SAMPLING ENDED AT: 1625
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
BRN-1120-TIW24-1207	3	CG	40mL	HCl	120	4.87	VOC-8260	PP
"	2	AG	1 L	H_2SO_4	2000	4.87	PAH-8270SIM	PP
"	2	AG	1 L	None	2000	4.87	TRPH-FLPRO	PP

REMARKS: Suspect roots clog @ 16.30 ft bls. Tubing reaches deeper

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Florida Department of Environmental Protection
GROUNDWATER SAMPLING LOG

SITE NAME: ~~Naval Support Activity Panama City SWMU 2~~ 1120	SITE LOCATION: ~~Panama City Beach, Florida~~ OLF Brown
WELL NO: MW25	SAMPLE ID: BRN-1120-MW25-1207 DATE: 12/13/07

PURGING DATA

WELL DIAMETER (in): 2.0"	TOTAL WELL DEPTH (ft): 23.8	STATIC DEPTH TO WATER (ft): 16.13	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (–) X = 4.68

PURGE METHOD: Low flow / Peristaltic pump	PURGE INITIATED AT: 1235	PURGE ENDED AT: 1700	TOTAL VOL. PURGED ~~(gal)~~: L 5

TIME	VOLUME PURGED ~~(gal)~~ L	CUMUL. VOLUME PURGED ~~(gal)~~ L	PURGE RATE ~~(gpm)~~ mL/m	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. ~~(µmhos)~~ uS/cm	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1240	1.0	1.0	200	16.14	5.48	24.38	45	1.16	34	Slightly cloudy	None
1245	1.0	2.0	200	16.15	5.44	24.31	45	1.11	20	"	"
1250	1.0	3.0	200	16.15	5.38	24.16	45	1.13	18	clear	"
1255	1.0	4.0	200	16.15	5.33	24.08	45	1.12	13	"	"
1300	1.0	5.0	200	16.15	5.30	24.07	45	1.13	9	"	"

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Curtis Odom / TWS	SAMPLER(S) SIGNATURE(S): Curtis Odom
SAMPLING METHOD(S): Peristaltic pump – Grab sample	SAMPLING INITIATED AT: 1300 / SAMPLING ENDED AT: 1310
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y (N) / DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
3			HCl			VOCs
2			H_2SO_4			TRPH
2						PAH

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

The above do not constitute all of the information required by Chapter 62-160, F.A.C.

Florida Department of Environmental Protection
GROUNDWATER SAMPLING LOG

SITE NAME: 1120 ~~Naval Support Activity Panama City SWMU 2~~	SITE LOCATION: ~~Panama City Beach~~, Florida OLF Brown
WELL NO: MW27	SAMPLE ID: DRW-1120 / DATE: 12/13/07

PURGING DATA

WELL DIAMETER (in): 2.0"	TOTAL WELL DEPTH (ft): 22.52	STATIC DEPTH TO WATER (ft): 18.65	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY = 2.5

= (–) X =

PURGE METHOD: Low flow / Peristaltic pump	PURGE INITIATED AT: 1620	PURGE ENDED AT: 1640	TOTAL VOL PURGED ~~(gal)~~ L 6

TIME	VOLUME PURGED ~~(gal)~~ L	CUMUL. VOLUME PURGED ~~(gal)~~ L	PURGE RATE ~~(gpm)~~ mL/m	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. ~~(umhos)~~ uS/cm	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1625	1.5	1.5	300	18.79	5.92	22.23	141	1.11	9	clear	none
1630	1.5	3.0	300	18.79	5.96	22.26	145	0.56	4	"	"
1635	1.5	4.5	300	18.79	5.98	22.26	146	0.53	3	"	"
1640	1.5	6.0	300	18.80	5.98	22.26	146	0.54	1	"	"

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Curtis Odom / Tetra Tech	SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): Peristaltic pump – Grab sample	SAMPLING INITIATED AT: / SAMPLING ENDED AT:
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) / DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2			—			PAH
2			H_2SO_4			TRPH
3			HCl			VOC

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

ATTACHMENT G

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

FACILITY NAME: OLF BRONSON, Pensacola ~~Pine Ridge C&D/Closed Class III Landfill~~		FACILITY LOCATION: PENSACOLA, FL	
MONITORING_SITE_NUM: MW 28	~~WELL~~ SAMPLING ID: BRN-1120-MW28-1207		DATE: 12·14·07

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (22.38 feet – 19.05 feet) X 0.16 gallons/foot = 0.53 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
_ = gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 829	PURGING ENDED AT: 844	TOTAL VOLUME PURGED (gallons): 1.05

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
829			0.07	19.05							
832	0.21	0.21	0.07	19.10	4.28	22.28	52	1.02	32.3	Light Brown	None
835	0.21	0.42	0.07	19.10	4.40	22.44	51	0.68	28.8	Cloudy	None
838	0.21	0.63	0.07	19.10	4.43	22.44	51	0.73	15.3	Clear	None
841	0.21	0.84	0.07	19.10	4.42	22.44	53	0.68	12.0	Clear	None
844	0.21	1.05	0.07	19.10	4.41	22.43	54	0.66	10.90	Clear	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Maria Paitavi / Env. Engineer	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 845	SAMPLING ENDED AT: 900
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	CG	40ml	HCl	120	4.41	VOCs - 8260	PP
	1	AG	1L	H_2SO_4	1000	4.41	TRPH - FLPRO	PP
	2	AG	1L	None	2000	4.41	PAH - 8270SIM	PP

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

ATTACHMENT G

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

FACILITY NAME: OLF BRONSON, Pensacola ~~Pine Ridge C&D/Closed Class III Landfill~~	FACILITY LOCATION: PENSACOLA, FLORIDA	
MONITORING_SITE_NUM: MW 29	~~WACS WELL~~ SAMPLE ID: BRN-1120-MW29-1207	DATE: 12-14-07

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (24.90 feet – 17.30 feet) X 0.16 gallons/foot = 1.0 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 911	PURGING ENDED AT: 929	TOTAL VOLUME PURGED (gallons): 2.16

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
911											
914	0.36	0.36	0.12	17.41	5.58	22.13	70	2.89	71.9	Light Brown	None
917	0.36	0.72	0.12	17.41	5.53	22.19	70	2.72	46.5	Light Brown	None
920	0.36	1.08	0.12	17.41	5.48	22.26	70	2.51	35.6	Clear	None
923	0.36	1.44	0.12	17.41	5.48	22.25	70	2.32	19.3	Clear	None
926	0.36	1.80	0.12	17.41	5.48	22.24	60	2.19	15.5	Clear	None
929	0.36	2.16	0.12	17.41	5.44	22.26	69	2.09	13.2	Clear	None

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Maria Paituvi / Env. Engineer	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 930	SAMPLING ENDED AT: 945
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION # CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	CG	40ml	HCl	120	5.44	VOC-8260	PP
	2	AG	1L	None	2000	5.44	PAH-8270SIM	PP
	2	AG	1L	H_2SO_4	2000	5.44	TRPH-FLPRO	PP

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Florida Department of Environmental Protection
GROUNDWATER SAMPLING LOG

SITE NAME: Naval Support Activity Panama City SWMU 2	SITE LOCATION: ~~Panama City Beach, Florida~~
WELL NO: MW30	SAMPLE ID: BRW-1120-MW30-1207 DATE: 12/14/07

PURGING DATA

WELL DIAMETER (in): 2.0"	TOTAL WELL DEPTH (ft): 24.55	STATIC DEPTH TO WATER (ft): 15.96	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (–) X = 6L

PURGE METHOD: Low flow / Peristaltic pump	PURGE INITIATED AT: 0943	PURGE ENDED AT:	TOTAL VOL PURGED (gal):

TIME	VOLUME PURGED ~~(gal)~~ L	CUMUL. VOLUME PURGED ~~(gal)~~ L	PURGE RATE ~~(gpm)~~ ml/m	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. ~~(µmhos)~~ uS/cm	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
0948	1	1	200	15.99	4.83	22.28	70	5.11	73	slightly cloudy	orange
0953	1	2	200	15.99	4.88	22.33	73	4.91	70	"	"
1003	2	4	200	15.99	5.21	22.37	77	3.55	62	"	"
1013	2	6	200	15.99	5.36	22.56	80	3.07	27	"	~~clear~~ orange
1018	1	7	200	15.99	5.42	22.57	84	2.87	22	"	"
1023	1	8	200	15.99	5.46	22.65	85	2.69	21	clear	"
1028	1	9	200	15.99	5.51	22.59	88	2.66	19	"	"
1033	1	10	200	15.99	5.52	22.58	88	2.67	19	"	"

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Curtis Odom / TTNUS	SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): Peristaltic pump – Grab sample	SAMPLING INITIATED AT: / SAMPLING ENDED AT:

FIELD DECONTAMINATION: Y (N) FIELD-FILTERED: Y (N) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2			—			PAH
2			H_2SO_4			TRPH
3			HCl			VOC

REMARKS:

Final ORP = +109.2

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

Florida Department of Environmental Protection
GROUNDWATER SAMPLING LOG

SITE NAME: Naval Support Activity Panama City SWMU 2	SITE LOCATION: Panama City Beach, Florida
WELL NO: MW36	SAMPLE ID: DRJ-1120-MW36-1207 DATE: 12/12/07

PURGING DATA

WELL DIAMETER (in): 2.0"	TOTAL WELL DEPTH (ft): 25.17	STATIC DEPTH TO WATER (ft): 16.61	WELL CAPACITY (gal/ft):

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (–) X = 5L

PURGE METHOD: Low flow / Peristaltic pump	PURGE INITIATED AT: 1115 ~~1135~~	PURGE ENDED AT: 1135	TOTAL VOL. PURGED ~~(gal)~~ L 6.0

TIME	VOLUME PURGED ~~(gal)~~ L	CUMUL. VOLUME PURGED ~~(gal)~~ L	PURGE RATE ~~(gpm)~~ ml/m	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1120	1.5	1.5	300	16.78	6.11	23.21	89	4.09	2.8	clear	none
1125	1.5	3.0	300	16.78	6.09	23.07	86	5.44	19	"	"
1130	1.5	4.5	300	16.78	6.10	23.06	86	5.37	15	"	"
1135	1.5	6.0	300	16.78	6.10	23.06	87	5.33	13	"	"

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: C. Dodson / TNG	SAMPLER(S) SIGNATURE(S): [signature]
SAMPLING METHOD(S): Peristaltic pump – Grab sample	SAMPLING INITIATED AT: 1135 / SAMPLING ENDED AT: 1140
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) / DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2			—			PAH
2			H_2SO_4			TRPH
3			HCl			VOC

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

ATTACHMENT G

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

FACILITY NAME: OLF Bronson, Pensacola ~~Pine Ridge 90D/Closed Class III Landfill~~		FACILITY LOCATION: Pensacola, FL	
MONITORING_SITE_NUM: MW-37	SAMPLE ID ~~WACS_WELL~~: BRN-1120-MW37-1207		DATE: 12-13-07

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 17.82	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (29.17 feet – 17.82 feet) X 0.16 gallons/foot = 1.76 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1125	PURGING ENDED AT: 1202	TOTAL VOLUME PURGED (gallons): 1.26

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1125			0.07		Start	Purge					
1128	0.21	0.21	0.07	17.83	4.88	23.84	99	7.11	19.4	Clear	None
1131	0.21	0.42	0.07	17.83	4.80	23.60	91	6.87	16.4	Clear	None
1134	0.21	0.63	0.07	17.83	4.76	23.63	88	6.49	14.8	"	"
1137	0.21	0.84	0.07	17.83	4.73	23.57	86	6.21	15.0	"	"
1140	0.21	1.05	0.07	17.84	4.72	23.70	86	6.30	13.1	"	"
1143	0.21	1.26	0.07	17.84	4.70	23.62	86	6.23	12.7	"	"

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Maria Paituvi / Env. Eng	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1144	SAMPLING ENDED AT: 1202
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute): ~200	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm. Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
BRN-1120-MW37-1207	2	AG	1L	None	2L	4.70	8260-VOC	PP
"	3	CG	40mL	HCl	120mL	4.70	8270SIM-PAH	PP
"	2	AG	1L	H_2SO_4	2L	4.70	FL PRO-TRPH	PP.

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

ATTACHMENT G

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

FACILITY NAME: OLF BRONSON, Pensacola FL ~~Pine Ridge G&B/Closed Class III Landfill~~	FACILITY LOCATION: Pensacola, FL	
MONITORING ~~SITE~~ NUM: MW 38	~~WELL~~ SAMPLE ID: BRN-1102-MW38-1207	DATE: 12-13-07

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 16.45	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (25.30 feet – 16.45 feet) x 0.16 gallons/foot = 1.416 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1352	PURGING ENDED AT: 1407	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1352			0.1	16.45		Start	Purge				
1355	0.3	0.3	0.1	16.46	5.31	23.46	40	3.92	23.2	Clear	None
1358	0.3	0.6	0.1	16.47	5.26	23.41	40	2.96	18.4	Clear	None
1401	0.3	0.9	0.1	16.47	5.24	23.34	41	2.93	16.2	Clear	None
1404	0.3	1.2	0.1	16.47	5.26	23.31	43	2.94	15.7	Clear	None
1407	0.3	1.5	0.1	16.47	5.25	23.30	44	3.01	11.4	Clear	None

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Marie Raitori / Env. Engineer	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1409	SAMPLING ENDED AT: 1425
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
	3	CG	40mL	HCl	120	5.25	VOC-8260	
	2	AG	1L	H_2SO_4	1000	5.25	~~TRPH~~ FL PRO	
	2	AG	1L	None	1000	5.25	PAH-8270SIM	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

ATTACHMENT G

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

FACILITY NAME: OLF BRONSON, PENSACOLA ~~Pine Ridge C&D/Closed Class III Landfill~~	FACILITY LOCATION: Pensacola, FL
MONITORING ~~SITE~~ NUM: TIW 39 ~~WACS WELL~~ SAMPLING ID: BRN-1120-TIW39-1207	DATE: 12-13-07

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 16.73	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (45.80 feet – 16.73 feet) X 0.16 gallons/foot = 4.68 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1445	PURGING ENDED AT: 1530	TOTAL VOLUME PURGED (gallons): 4.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1238					Start	Purge					
1241	0.21	0.21	0.07	16.75	5.16	24.49	60	6.21	361	White	None
1244	0.21	0.42	0.07	16.75	5.09	24.52	56	6.40	100.5	White	"
1247	0.21	0.63	0.07	16.75	4.99	24.56	56	6.13	66.5	Cloudy	"
1250	0.21	0.84	0.07	16.75	4.91	24.39	54	6.07	47.0	Clear	"
1258	0.42	1.26	0.07	16.79	4.90	24.35	54	6.09	33.1	Clear	"
1303	0.21	1.47	0.07	16.79	4.89	24.28	54	5.68	25.9	Clear	"
1308	0.21	1.68	0.07	16.79	4.81	24.18	53	5.88	20.2	Clear	"
1311	1.00	2.68	0.12	16.79	4.77	24.12	52	5.88	19.9	Clear	"
1314	1.00	3.68	0.12	16.79	4.76	23.84	52	5.81	19.4	Clear	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Maria Paitori / Env. Engineer	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1318	SAMPLING ENDED AT: 1335
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION # CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	3	CG	40mL	HCl	120	4.68	VOC-8260	PP
	2	AG	1L	H_2SO_4	2000	4.68	TRPH-FLPRO	PP
	2	AG	1L	None	2000	4.68	PAH-8270SIM	PP

~~REMARKS:~~ Time	Vol Purged	Cum. Vol	Purge Rate	DTW	pH	Temp	Cond	D.O	Turb	Color	Odor
1317	1.00	4.68	0.12	4.68	4.68	23.71	52	5.51	17.8	None	None

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

ATTACHMENT G

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

FACILITY NAME: OLF BRONSON, PENSACOLA ~~Pine Ridge C&D/Closed Class III Landfill~~	FACILITY LOCATION: PENSACOLA, FL	
MONITORING_SITE_NUM: TIW-40	~~WACS_WELL~~ SAMPLE ID: BRN-1120-TIW40-1207	DATE: 12-13-07

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 15.36	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (25.20 feet – 15.36 feet) X 0.16 gallons/foot = 1.57 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1445	PURGING ENDED AT: 1530	TOTAL VOLUME PURGED (gallons): 4.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1445						Start	Purge				
1448	0.3	0.3	0.1	15.39	5.92	23.17	92	2.01	75.0	Cloudy	Organic
1451	0.3	0.6	0.1	15.39	5.90	23.08	102	1.62	66.9	Cloudy	Organic
1454	0.3	0.9	0.1	15.39	5.93	23.06	103	1.59	101.2	Cloudy	None
1457	0.3	1.2	0.1	15.39	6.07	23.04	103	1.57	–	Cloudy	None
1500	0.3	1.5	0.1	15.39	6.07	22.99	104	2.90	67.0	Cloudy	None
1505	0.5	2.0	0.1	15.39	6.03	22.96	104	0.88	52.1	Cloudy	"
1510	0.5	2.5	0.1	15.39	6.04	22.93	104	1.49	41.0	Clear	"
1515	0.5	3.0	0.1	15.39	6.04	22.94	105	0.72	27.7	Clear	"
1520	0.5	3.5	0.1	15.39	6.05	22.93	106	0.85	20.0	Clear	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Maria Paiturri / Env Eng	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1532	SAMPLING ENDED AT: 1600
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute):	TUBING MATERIAL CODE:	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
BRN-1102-TIW40-1207	3	CG	40mL	HCl ~~[illegible]~~	120	6.07	VOC-8260	PP
"	2	AG	1L	NONE	2000	6.07	PAH-8270SIM	PP
"	2	AG	1L	H_2SO_4	2000	6.07	TRPH-FLPRO	PP

Time ~~REMARKS~~	Vol Purg.	Cum. Vol	Purge Rate	DTW	pH	Temp	Cond	D.O	Turbidity	Color	Odor
1525	~~[illegible]~~ 0.3	4.0	0.1	15.39	6.08	22.91	106	1.86	15.6	Clear	None
1530	~~[illegible]~~ 0.5	4.5	0.1	15.39	6.07	22.88	105	0.70	15.2	"	"

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

ATTACHMENT III

ANALYTICAL DATA

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**JANUARY 30, 2008**
FROM:	**TERRI L. SOLOMON**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOCs, PAHs, TPH**
CTO – 0072 NAS PENSACOLA
SAMPLE DELIVERY GROUP (SDG) – F54634

SAMPLES: 6/Aqueous/

BRN-1120-DUP01-1207	BRN-1120-MW14R-1207
BRN-1120-MW28-1207	BRN-1120-MW29-1207
BRN-1120-MW30-1207	TRIP BLANK

Overview

The sample set for CTO 0072, NAS Pensacola, SDG F54634, consists of five (5) aqueous environmental samples and one trip blank (TRIP BLANK). One (1) field duplicate pair (BRN-1120-MW14R-1207 / BRN-1120-DUP01-1207) was included within this SDG.

All samples were analyzed for volatile organic compounds (VOCs). All samples except TRIP BLANK were analyzed for polycyclic aromatic hydrocarbons (PAHs) and total petroleum Hydrocarbons (TPH). The samples were collected by Tetra Tech NUS on December 14, 2007 and analyzed by Accutest laboratories under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. VOC analyses were conducted using SW-846 method 8260B. PAH analyses were conducted using SW-846 method 8270C by SIM. TPH analyses were conducted by method Florida-PRO

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Initial / Continuing Calibration Verification Results
• Laboratory Method/Preparation Blank Analyses
* • Field Duplicate Results
• Detection Limits

* - All quality control criteria were met for this parameter.

VOAs

The following contaminant was detected in the laboratory method/preparation/trip blanks at the following maximum concentrations:

Analyte	Maximum Concentration	Action Level
Methylene chloride[1]	2.1 ug/L	21 ug/L

[1] Maximum concentration present in a trip blank.

An action level of 5X (10X for common laboratory contaminants) the maximum contaminant level has been used to evaluate sample data for blank contamination. Sample aliquot and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. No validation actions were warranted as a result of blank contamination.

Notes

Positive results less than the reporting limit (RL) were qualified as estimated ,"J", due to uncertainty near the detection limit.

The method detection limits for several compounds exceeded the limits specified in the laboratory scope of work.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", Oct 1999 and the DOD document entitled "Quality System Manual (QSM) for Environmental Laboratories" (Jan 2006).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DOD QSM."

Terri L. Solomon

Tetra Tech NUS
Terri L. Solomon
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS-GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O - Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DOT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00705

SDG: F54634 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-DUP01-1207
samp_date	12/14/2007
lab_id	F54634-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	BRN-1120-MW14R-1207

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.21	U	
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	6.2		
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	10.2		
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	BRN-1120-DUP01-1207
samp_date	12/14/2007
lab_id	F54634-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	BRN-1120-MW14R-1207

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	BRN-1120-MW14R-1207
samp_date	12/14/2007
lab_id	F54634-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.21	U	
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	6		
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	9.3		
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

PROJ_NO: 00705

SDG: F54634 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW14R-1207
samp_date	12/14/2007
lab_id	F54634-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	BRN-1120-MW28-1207
samp_date	12/14/2007
lab_id	F54634-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	4.1		
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	BRN-1120-MW28-1207
samp_date	12/14/2007
lab_id	F54634-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

PROJ_NO: 00705

SDG: F54634 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW29-1207
samp_date	12/14/2007
lab_id	F54634-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	11.1		
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	BRN-1120-MW29-1207
samp_date	12/14/2007
lab_id	F54634-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	BRN-1120-MW30-1207
samp_date	12/14/2007
lab_id	F54634-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	5.6		
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

PROJ_NO: 00705

SDG: F54634 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW30-1207
samp_date	12/14/2007
lab_id	F54634-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	TRIP BLANK
samp_date	12/14/2007
lab_id	F54634-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.21	U	
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	2.1	J	P
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	TRIP BLANK
samp_date	12/14/2007
lab_id	F54634-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

PROJ_NO: 00705

SDG: F54634 MEDIA: WATER DATA FRACTION: PAH

nsample	BRN-1120-DUP01-1207
samp_date	12/14/2007
lab_id	F54634-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	BRN-1120-MW14R-1207

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	133		
2-METHYLNAPHTHALENE	172		
ACENAPHTHENE	2	U	
ACENAPHTHYLENE	2	U	
ANTHRACENE	2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.39	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.39	U	
BENZO(K)FLUORANTHENE	0.39	U	
CHRYSENE	0.39	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.98	U	
FLUORENE	4.7		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	73.9		
PHENANTHRENE	2.5	J	P
PYRENE	0.98	U	

nsample	BRN-1120-MW14R-1207
samp_date	12/14/2007
lab_id	F54634-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	140		
2-METHYLNAPHTHALENE	178		
ACENAPHTHENE	2	U	
ACENAPHTHYLENE	2	U	
ANTHRACENE	2	U	
BENZO(A)ANTHRACENE	0.2	U	
BENZO(A)PYRENE	0.39	U	
BENZO(B)FLUORANTHENE	0.2	U	
BENZO(G,H,I)PERYLENE	0.39	U	
BENZO(K)FLUORANTHENE	0.39	U	
CHRYSENE	0.39	U	
DIBENZO(A,H)ANTHRACENE	0.2	U	
FLUORANTHENE	0.98	U	
FLUORENE	4.8		
INDENO(1,2,3-CD)PYRENE	0.2	U	
NAPHTHALENE	77.5		
PHENANTHRENE	2.6	J	P
PYRENE	0.98	U	

nsample	BRN-1120-MW28-1207
samp_date	12/14/2007
lab_id	F54634-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.25	U	
2-METHYLNAPHTHALENE	0.25	U	
ACENAPHTHENE	0.49	U	
ACENAPHTHYLENE	0.49	U	
ANTHRACENE	0.49	U	
BENZO(A)ANTHRACENE	0.049	U	
BENZO(A)PYRENE	0.098	U	
BENZO(B)FLUORANTHENE	0.049	U	
BENZO(G,H,I)PERYLENE	0.098	U	
BENZO(K)FLUORANTHENE	0.098	U	
CHRYSENE	0.098	U	
DIBENZO(A,H)ANTHRACENE	0.049	U	
FLUORANTHENE	0.25	U	
FLUORENE	0.25	U	
INDENO(1,2,3-CD)PYRENE	0.049	U	
NAPHTHALENE	0.25	U	
PHENANTHRENE	0.49	U	
PYRENE	0.25	U	

PROJ_NO: 00705

SDG: F54634 MEDIA: WATER DATA FRACTION: PAH

nsample	BRN-1120-MW29-1207	nsample	BRN-1120-MW30-1207
samp_date	12/14/2007	samp_date	12/14/2007
lab_id	F54634-4	lab_id	F54634-2
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.25	U	
2-METHYLNAPHTHALENE	0.25	U	
ACENAPHTHENE	0.49	U	
ACENAPHTHYLENE	0.49	U	
ANTHRACENE	0.49	U	
BENZO(A)ANTHRACENE	0.049	U	
BENZO(A)PYRENE	0.098	U	
BENZO(B)FLUORANTHENE	0.049	U	
BENZO(G,H,I)PERYLENE	0.098	U	
BENZO(K)FLUORANTHENE	0.098	U	
CHRYSENE	0.098	U	
DIBENZO(A,H)ANTHRACENE	0.049	U	
FLUORANTHENE	0.25	U	
FLUORENE	0.25	U	
INDENO(1,2,3-CD)PYRENE	0.049	U	
NAPHTHALENE	0.25	U	
PHENANTHRENE	0.49	U	
PYRENE	0.25	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	1.2		
2-METHYLNAPHTHALENE	2.4		
ACENAPHTHENE	0.5	U	
ACENAPHTHYLENE	0.5	U	
ANTHRACENE	0.5	U	
BENZO(A)ANTHRACENE	0.05	U	
BENZO(A)PYRENE	0.1	U	
BENZO(B)FLUORANTHENE	0.05	U	
BENZO(G,H,I)PERYLENE	0.1	U	
BENZO(K)FLUORANTHENE	0.1	U	
CHRYSENE	0.1	U	
DIBENZO(A,H)ANTHRACENE	0.05	U	
FLUORANTHENE	0.25	U	
FLUORENE	0.48	J	P
INDENO(1,2,3-CD)PYRENE	0.05	U	
NAPHTHALENE	0.26	J	P
PHENANTHRENE	0.5	U	
PYRENE	0.25	U	

PROJ_NO: 00705

SDG: F54634 MEDIA: WATER DATA FRACTION: PET

nsample	BRN-1120-DUP01-1207	nsample	BRN-1120-MW14R-1207	nsample	BRN-1120-MW28-1207
samp_date	12/14/2007	samp_date	12/14/2007	samp_date	12/14/2007
lab_id	F54634-5	lab_id	F54634-1	lab_id	F54634-3
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/L	units	MG/L	units	MG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:	BRN-1120-MW14R-1207	DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	6.1		

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	6.96		

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.17	U	

PROJ_NO: 00705

SDG: F54634 MEDIA: WATER DATA FRACTION: PET

nsample	BRN-1120-MW29-1207	nsample	BRN-1120-MW30-1207
samp_date	12/14/2007	samp_date	12/14/2007
lab_id	F54634-4	lab_id	F54634-2
qc_type	NM	qc_type	NM
units	MG/L	units	MG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.17	U	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.702		

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-DUP01-1207		
Lab Sample ID:	F54634-5	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035076.D	1	12/27/07	KW	n/a	n/a	VJ2329
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	6.2	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-DUP01-1207		
Lab Sample ID:	F54634-5	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	10.2	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

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

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

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Report of Analysis

Client Sample ID:	BRN-1120-MW14R-1207		
Lab Sample ID:	F54634-1	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035072.D	1	12/27/07	KW	n/a	n/a	VJ2329
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	6.0	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW14R-1207		
Lab Sample ID:	F54634-1	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	9.3	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	97%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW28-1207		
Lab Sample ID:	F54634-3	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035074.D	1	12/27/07	KW	n/a	n/a	VJ2329
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	4.1	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW28-1207		
Lab Sample ID:	F54634-3	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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

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

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Report of Analysis

Client Sample ID:	BRN-1120-MW29-1207		
Lab Sample ID:	F54634-4	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035075.D	1	12/27/07	KW	n/a	n/a	VJ2329
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	11.1	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW29-1207		
Lab Sample ID:	F54634-4	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

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

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Report of Analysis

Client Sample ID:	BRN-1120-MW30-1207		
Lab Sample ID:	F54634-2	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035073.D	1	12/27/07	KW	n/a	n/a	VJ2329
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	5.6	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW30-1207		
Lab Sample ID:	F54634-2	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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

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

Raw Data: J035077.D

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Report of Analysis

3.6 3

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F54634-6	Date Sampled:	12/14/07
Matrix:	AQ - Trip Blank Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035077.D	1	12/27/07	KW	n/a	n/a	VJ2329
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	2.1	5.0	1.0	ug/l	I
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F54634-6	Date Sampled:	12/14/07
Matrix:	AQ - Trip Blank Water	Date Received:	12/15/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-DUP01-1207		
Lab Sample ID:	F54634-5	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W038745.D	4	12/24/07	RB	12/20/07	OP23557	SW1981
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	2.0 U	3.9	2.0	ug/l	
208-96-8	Acenaphthylene	2.0 U	3.9	2.0	ug/l	
120-12-7	Anthracene	2.0 U	3.9	2.0	ug/l	
56-55-3	Benzo(a)anthracene	0.20 U	0.78	0.20	ug/l	
50-32-8	Benzo(a)pyrene	0.39 U	0.78	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	0.20 U	0.78	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.39 U	0.78	0.39	ug/l	
207-08-9	Benzo(k)fluoranthene	0.39 U	0.78	0.39	ug/l	
218-01-9	Chrysene	0.39 U	0.78	0.39	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.20 U	0.78	0.20	ug/l	
206-44-0	Fluoranthene	0.98 U	3.9	0.98	ug/l	
86-73-7	Fluorene	4.7	3.9	0.98	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20 U	0.78	0.20	ug/l	
90-12-0	1-Methylnaphthalene	133	3.9	0.98	ug/l	
91-57-6	2-Methylnaphthalene	172	3.9	0.98	ug/l	
91-20-3	Naphthalene	73.9	3.9	0.98	ug/l	
85-01-8	Phenanthrene	2.5	3.9	2.0	ug/l	I
129-00-0	Pyrene	0.98 U	3.9	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		42-108%
321-60-8	2-Fluorobiphenyl	57%		40-106%
1718-51-0	Terphenyl-d14	75%		39-121%

(a) Dilution required due to matrix interference.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW14R-1207		
Lab Sample ID:	F54634-1	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	W038743.D	4	12/24/07	RB	12/20/07	OP23557	SW1981
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	2.0 U	3.9	2.0	ug/l	
208-96-8	Acenaphthylene	2.0 U	3.9	2.0	ug/l	
120-12-7	Anthracene	2.0 U	3.9	2.0	ug/l	
56-55-3	Benzo(a)anthracene	0.20 U	0.78	0.20	ug/l	
50-32-8	Benzo(a)pyrene	0.39 U	0.78	0.39	ug/l	
205-99-2	Benzo(b)fluoranthene	0.20 U	0.78	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.39 U	0.78	0.39	ug/l	
207-08-9	Benzo(k)fluoranthene	0.39 U	0.78	0.39	ug/l	
218-01-9	Chrysene	0.39 U	0.78	0.39	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.20 U	0.78	0.20	ug/l	
206-44-0	Fluoranthene	0.98 U	3.9	0.98	ug/l	
86-73-7	Fluorene	4.8	3.9	0.98	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.20 U	0.78	0.20	ug/l	
90-12-0	1-Methylnaphthalene	140	3.9	0.98	ug/l	
91-57-6	2-Methylnaphthalene	178	3.9	0.98	ug/l	
91-20-3	Naphthalene	77.5	3.9	0.98	ug/l	
85-01-8	Phenanthrene	2.6	3.9	2.0	ug/l	I
129-00-0	Pyrene	0.98 U	3.9	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	75%		42-108%
321-60-8	2-Fluorobiphenyl	77%		40-106%
1718-51-0	Terphenyl-d14	79%		39-121%

(a) Dilution required due to matrix interference.

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW28-1207		
Lab Sample ID:	F54634-3	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038721.D	1	12/21/07	RB	12/20/07	OP23557	SW1980
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		42-108%
321-60-8	2-Fluorobiphenyl	51%		40-106%
1718-51-0	Terphenyl-d14	83%		39-121%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW29-1207		
Lab Sample ID:	F54634-4	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038722.D	1	12/21/07	RB	12/20/07	OP23557	SW1980
Run #2							

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

BN PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	65%		42-108%
321-60-8	2-Fluorobiphenyl	53%		40-106%
1718-51-0	Terphenyl-d14	83%		39-121%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW30-1207		
Lab Sample ID:	F54634-2	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038720.D	1	12/21/07	RB	12/20/07	OP23557	SW1980
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
83-32-9	Acenaphthene	0.50 U	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	0.50 U	1.0	0.50	ug/l	
120-12-7	Anthracene	0.50 U	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	0.050 U	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	0.10 U	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	0.050 U	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.10 U	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	0.10 U	0.20	0.10	ug/l	
218-01-9	Chrysene	0.10 U	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.050 U	0.20	0.050	ug/l	
206-44-0	Fluoranthene	0.25 U	1.0	0.25	ug/l	
86-73-7	Fluorene	0.48	1.0	0.25	ug/l	I
193-39-5	Indeno(1,2,3-cd)pyrene	0.050 U	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	1.2	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	2.4	1.0	0.25	ug/l	
91-20-3	Naphthalene	0.26	1.0	0.25	ug/l	I
85-01-8	Phenanthrene	0.50 U	1.0	0.50	ug/l	
129-00-0	Pyrene	0.25 U	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		42-108%
321-60-8	2-Fluorobiphenyl	52%		40-106%
1718-51-0	Terphenyl-d14	85%		39-121%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-DUP01-1207		
Lab Sample ID:	F54634-5	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP78413.D	10	12/24/07	KL	12/20/07	OP23567	GOP2029
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	6.10	2.5	1.7	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		38-122%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW14R-1207		
Lab Sample ID:	F54634-1	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP78412.D	5	12/24/07	KL	12/20/07	OP23567	GOP2029
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	6.96	1.2	0.83	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		38-122%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW28-1207		
Lab Sample ID:	F54634-3	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP78359.D	1	12/21/07	KL	12/20/07	OP23567	GOP2028
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		38-122%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW29-1207		
Lab Sample ID:	F54634-4	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP78360.D	1	12/21/07	KL	12/20/07	OP23567	GOP2028
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.24	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		38-122%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW30-1207		
Lab Sample ID:	F54634-2	Date Sampled:	12/14/07
Matrix:	AQ - Ground Water	Date Received:	12/15/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP78364.D	1	12/21/07	KL	12/20/07	OP23567	GOP2028
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.702	0.24	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	79%		38-122%

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

APPENDIX C
SUPPORT DOCUMENTATION

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Tetra-Tech NUS **Job No:** F54634

Site: NAS Pensacola (CTO# 225) Site 1120 OLF Bronson **Report Date:** 12/31/2007 3:25:32

5 Samples and 1 Trip Blank were collected on 12/14/2007 and were received at Accutest on 12/15/2007 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F54634. 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:** VJ2329

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F54653-12MS, F54653-12MSD were used as the QC samples indicated.

Matrix Spike and Matrix Spike Duplicate Recoverys for 2-Chloroethyl vinyl ether are outside control limits. Probable cause: due to matrix interference.

RPD for MSD for 2-Chloroethyl vinyl ether is outside control limits for sample F54653-12MSD. Probable cause due to sample non-homogeneity.

Extractables by GCMS by Method SW846 8270C BY SIM

Matrix: AQ **Batch ID:** OP23557

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 F54599-3MS, F54599-3MSD were used as the QC samples indicated.

F54634-1, F54634-5: Dilution required due to matrix interference.

Extractables by GC by Method FLORIDA-PRO

Matrix: AQ **Batch ID:** OP23567

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 F54688-1MS, F54688-1MSD were used as the QC samples indicated.

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

Narrative prepared by:

Date: December 31, 2007

Ellen Pampel, Inorganic QA (signature on file)

Monday, December 31, 2007

ACCUTEST Laboratories

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F54634
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Kelly Carper
ADDRESS: 661 Anderson Drive
CITY, STATE, ZIP: Pittsburgh, PA 15220
SEND REPORT TO:
PHONE #: (412) 921-7090

FACILITY INFORMATION

PROJECT NAME: Site 1120 Treatability Study
LOCATION: OLF Dixson Pensacola, FL
PROJECT NO.: 112G00705
FAX #: (850) 385-9860

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	HNO3	NaOH	H2SO4	NONE	VOC	PAH	TRPH	LAB USE ONLY
1	BRN-1120-MW14R-1207 ✓	12/4/07	0855	CO	GW	7	3			2	2	3	2	1	
2	BRN-1120-MW30-1207 ✓	12/4/07	1033	CO	GW	7	3			2	2	3	2	1	
3	BRN-1120-MW28-1207 ✓	12/4/07	0845	MP	GW	7	3			2	2	3	2	1	
4	BRN-1120-MW29-1207 ✓	12/4/07	0930	MP	GW	7	3			2	2	3	2	1	
5	BRN-1120-DUP01-1207 ✓	12/4/07			GW	6	3			1	2	3	2	1	

DATA TURNAROUND INFORMATION

☑ STANDARD
☐ 48 HOUR RUSH
☐ 24 HOUR EMERGENCY
☐ OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☑ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☐ OTHER (SPECIFY)

COMMENTS/REMARKS

trip blank included, analyze for VOCs only

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	12/4 1500	1. FX	2. FX	12-15-07	2. J. Corral 09:00
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 2.0 C

2.4 2.8

4.1 4

F54634: Chain of Custody
Page 1 of 2

HOLDTIME

SDG F54634

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	BRN-1120-MW14R-1207	F54634-1	NM	12/14/2007	12/27/2007	12/27/2007	13	0	13
OV	UG/L	BRN-1120-MW28-1207	F54634-3	NM	12/14/2007	12/27/2007	12/27/2007	13	0	13
OV	UG/L	BRN-1120-MW29-1207	F54634-4	NM	12/14/2007	12/27/2007	12/27/2007	13	0	13
OV	UG/L	BRN-1120-MW30-1207	F54634-2	NM	12/14/2007	12/27/2007	12/27/2007	13	0	13
OV	UG/L	TRIP BLANK	F54634-6	NM	12/14/2007	12/27/2007	12/27/2007	13	0	13
OV	UG/L	BRN-1120-DUP01-1207	F54634-5	NM	12/14/2007	12/27/2007	12/27/2007	13	0	13
SIM	UG/L	BRN-1120-MW28-1207	F54634-3	NM	12/14/2007	12/20/2007	12/21/2007	6	1	7
SIM	UG/L	BRN-1120-MW14R-1207	F54634-1	NM	12/14/2007	12/20/2007	12/24/2007	6	4	10
SIM	UG/L	BRN-1120-MW29-1207	F54634-4	NM	12/14/2007	12/20/2007	12/21/2007	6	1	7
SIM	UG/L	BRN-1120-MW30-1207	F54634-2	NM	12/14/2007	12/20/2007	12/21/2007	6	1	7
SIM	UG/L	BRN-1120-DUP01-1207	F54634-5	NM	12/14/2007	12/20/2007	12/24/2007	6	4	10
TPH	MG/L	BRN-1120-MW30-1207	F54634-2	NM	12/14/2007	12/20/2007	12/21/2007	6	1	7
TPH	MG/L	BRN-1120-DUP01-1207	F54634-5	NM	12/14/2007	12/20/2007	12/24/2007	6	4	10
TPH	MG/L	BRN-1120-MW14R-1207	F54634-1	NM	12/14/2007	12/20/2007	12/24/2007	6	4	10
TPH	MG/L	BRN-1120-MW28-1207	F54634-3	NM	12/14/2007	12/20/2007	12/21/2007	6	1	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TPH	MG/L	BRN-1120-MW29-1207	F54634-4	NM	12/14/2007	12/20/2007	12/21/2007	6	1	7

ATTACHMENT A
Required Target Compound Lists

CAS	Parameter	62-777 Minimum Groundwater criteria (ug/L)	62-777 Minimum Criteria for Soil (ug/kg)
PAHs			
90-12-0	1-METHYLNAPHTHALENE	28	3100
91-57-6	2-METHYLNAPHTHALENE	28	8500
83-32-9	ACENAPHTHENE	3	300
208-96-8	ACENAPHTHYLENE	0.031	700
120-12-7	ANTHRACENE	0.3	400
56-55-3	BENZO(A)ANTHRACENE	0.031	700
50-32-8	BENZO(A)PYRENE	0.031	100
205-99-2	BENZO(B)FLUORANTHENE	0.031	1600
191-24-2	BENZO(G,H,I)PERYLENE	0.031	4800
207-08-9	BENZO(K)FLUORANTHENE	0.031	1600
218-01-9	CHRYSENE	0.031	77000
53-70-3	DIBENZO(A,H)ANTHRACENE	0.005	700
206-44-0	FLUORANTHENE	0.3	1300
86-73-7	FLUORENE	30	17000
193-39-5	INDENO(1,2,3-CD)PYRENE	0.031	NA
91-20-3	NAPHTHALENE	14	1200
85-01-8	PHENANTHRENE	0.031	NA
129-00-0	PYRENE	0.3	1300

CAS	Parameter	62-777 Minimum Groundwater criteria (ug/L)	62-777 Minimum Criteria for Soil (ug/kg)
PPL VOHs			
71-55-6	1,1,1-TRICHLOROETHANE	200	1900
79-34-5	1,1,2,2-TETRACHLOROETHANE	0.2	1
79-00-5	1,1,2-TRICHLOROETHANE	5	30
75-34-3	1,1-DICHLOROETHANE	70	400
75-35-4	1,1-DICHLOROETHENE	3.2	30
95-50-1	1,2-DICHLOROBENZENE	99	2800
107-06-2	1,2-DICHLOROETHANE	3	10
78-87-5	1,2-DICHLOROPROPANE	5	30
541-73-1	1,3-DICHLOROBENZENE	85	2800
106-46-7	1,4-DICHLOROBENZENE	3	90
75-27-4	BROMODICHLOROMETHANE	0.6	4
75-25-2	BROMOFORM	4.4	30
74-83-9	BROMOMETHANE	9.8	50
56-23-5	CARBON TETRACHLORIDE	3	40
108-90-7	CHLOROBENZENE	17	200
124-48-1	CHLORODIBROMOMETHANE	0.4	3
75-00-3	CHLOROETHANE	12	60
67-66-3	CHLOROFORM	70	400
74-87-3	CHLOROMETHANE	2.7	10
156-59-2	CIS-1,2-DICHLOROETHENE	70	400
10061-01-5	CIS-1,3-DICHLOROPROPENE	NA	NA
75-71-8	DICHLORODIFLUOROMETHANE	1400	44000
75-09-2	METHYLENE CHLORIDE	5	20
127-18-4	TETRACHLOROETHENE	3	30
156-60-5	TRANS-1,2-DICHLOROETHENE	100	700
10061-02-6	TRANS-1,3-DICHLOROPROPENE	NA	NA
79-01-6	TRICHLOROETHENE	3	30
75-69-4	TRICHLOROFLUOROMETHANE	2100	33000
	2-CHLOROETHYLVINYL ETHER	NA	NA
120-82-1	1,2,4-TRICHLOROBENZENE	23	1700
75-01-4	VINYL CHLORIDE	1	7
BTEX&MTBE			
71-43-2	BENZENE	1	7
100-41-4	ETHYLBENZENE	30	600
	XYLENES	370	200
1634-04-4	METHYL TERT-BUTYL ETHER	20	90
108-88-3	TOLUENE	40	500

Petroleum Range Organics	µg/L	mg/kg
Total Residual Petroleum Hydrocarbons	5000	340

Instrument Performance Check (BFB)

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	VJ2327-BFB	Injection Date:	12/24/07
Lab File ID:	J035002.D	Injection Time:	10:25
Instrument ID:	GCMSJ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	28992	24.2		Pass
75	30.0 - 60.0% of mass 95	57424	48.0		Pass
95	Base peak, 100% relative abundance	119733	100.0		Pass
96	5.0 - 9.0% of mass 95	8132	6.8		Pass
173	Less than 2.0% of mass 174	357	0.3	(0.35) [a]	Pass
174	50.0 - 100.0% of mass 95	100810	84.2		Pass
175	5.0 - 9.0% of mass 174	7419	6.2	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	97330	81.3	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	5896	4.9	(6.1) [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
VJ2327-IC2327	J035004.D	12/24/07	11:05	00:40	Initial cal 1
VJ2327-IC2327	J035005.D	12/24/07	11:29	01:04	Initial cal 2
VJ2327-IC2327	J035006.D	12/24/07	11:54	01:29	Initial cal 3
VJ2327-ICC2327	J035007.D	12/24/07	12:18	01:53	Initial cal 4
VJ2327-IC2327	J035008.D	12/24/07	12:42	02:17	Initial cal 5
VJ2327-IC2327	J035009.D	12/24/07	13:07	02:42	Initial cal 6
VJ2327-ICV2327	J035010.D	12/24/07	13:31	03:06	Initial cal verification 4
VJ2327-BS	J035011.D	12/24/07	13:58	03:33	Blank Spike
VJ2327-MB	J035012.D	12/24/07	14:22	03:57	Method Blank
F54545-11	J035013.D	12/24/07	14:47	04:22	(used for QC only; not part of job F54634)
F54545-11MS	J035014.D	12/24/07	15:10	04:45	Matrix Spike
F54545-11MSD	J035015.D	12/24/07	15:35	05:10	Matrix Spike Duplicate
ZZZZZZ	J035016.D	12/24/07	15:59	05:34	(unrelated sample)
ZZZZZZ	J035017.D	12/24/07	16:23	05:58	(unrelated sample)
ZZZZZZ	J035018.D	12/24/07	16:47	06:22	(unrelated sample)
ZZZZZZ	J035019.D	12/24/07	17:11	06:46	(unrelated sample)
ZZZZZZ	J035020.D	12/24/07	17:35	07:10	(unrelated sample)
ZZZZZZ	J035021.D	12/24/07	18:00	07:35	(unrelated sample)
ZZZZZZ	J035022.D	12/24/07	18:24	07:59	(unrelated sample)
ZZZZZZ	J035023.D	12/24/07	18:48	08:23	(unrelated sample)
ZZZZZZ	J035024.D	12/24/07	19:13	08:48	(unrelated sample)
ZZZZZZ	J035025.D	12/24/07	19:37	09:12	(unrelated sample)
ZZZZZZ	J035026.D	12/24/07	20:01	09:36	(unrelated sample)
ZZZZZZ	J035027.D	12/24/07	20:26	10:01	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	VJ2327-BFB	Injection Date:	12/24/07
Lab File ID:	J035002.D	Injection Time:	10:25
Instrument ID:	GCMSJ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	J035028.D	12/24/07	20:50	10:25	(unrelated sample)
ZZZZZZ	J035029.D	12/24/07	21:14	10:49	(unrelated sample)
ZZZZZZ	J035031.D	12/24/07	22:02	11:37	(unrelated sample)

Initial Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson
Sample: VJ2327-ICC2327
Lab FileID: J035007.D

Response Factor Report MSVOA6

Method : C:\MSDCHEM\1\METHODS\8260-J.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Wed Dec 26 10:17:35 2007
Response via : Initial Calibration

Calibration Files
1 =J035004.D 2 =J035005.D 3 =J035006.D 4 =J035007.D
5 =J035008.D 6 =J035009.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------							
2)		Dichlorodifluoromet	0.156	0.152	0.211	0.202	0.201	0.187	0.185	13.67
3)	P	Chloromethane	0.406	0.388	0.428	0.393	0.377	0.340	0.389	7.58
4)	C	Vinyl Chloride	0.264	0.249	0.321	0.298	0.288	0.262	0.280	9.55
5)		Bromomethane	0.178	0.172	0.195	0.174	0.161	0.140	0.170	10.69
6)		Chloroethane	0.155	0.151	0.177	0.168	0.154	0.138	0.157	8.82
7)		Trichlorofluorometh	0.269	0.235	0.306	0.280	0.264	0.238	0.265	10.07
8)		Ethyl Ether	0.285	0.287	0.296	0.282	0.273	0.259	0.280	4.57
9)		1,2-Dichlorotrifluo	0.322	0.096	0.133	0.120	0.103	0.094	0.145	60.98
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9981								
		Response Ratio = 0.00000 + 0.13352 *A + -0.02004 *A^2								
10)	C	1,1-Dichloroethene	0.367	0.226	0.484	0.454	0.437	0.408	0.396	23.31
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990								
		Response Ratio = 0.00000 + 0.48834 *A + -0.03946 *A^2								
11)		Freon 113	0.197	0.166	0.228	0.209	0.197	0.185	0.197	10.64
12)		Carbon Disulfide	0.688	0.639	0.799	0.730	0.696	0.644	0.699	8.49
13)		Iodomethane	0.452	0.447	0.531	0.513	0.504	0.486	0.489	6.92
14)		Methylene Chloride	0.830	0.511	0.493	0.469	0.462	0.442	0.535	27.42
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999								
		Response Ratio = 0.00000 + 0.49799 *A + -0.02755 *A^2								
15)		Acetone	0.094	0.082	0.073	0.071	0.071	0.068	0.077	13.08
16)		Methyl acetate	0.199	0.265	0.182	0.171	0.168	0.159	0.191	20.38
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992								
		Response Ratio = 0.00000 + 0.18679 *A + -0.00280 *A^2								
17)		trans-1,2-Dichloroe	0.411	0.386	0.481	0.473	0.472	0.447	0.445	8.65
18)		Hexane	0.259	0.247	0.302	0.296	0.294	0.280	0.279	8.00
19)		Methyl Tert Butyl E	0.706	0.737	0.755	0.764	0.778	0.757	0.750	3.33
20)		Di-isopropyl ether	0.941	0.999	1.143	1.117	1.117	1.063	1.063	7.43
21)	P	1,1-Dichloroethane	0.433	0.456	0.559	0.549	0.557	0.541	0.516	10.90
22)		Acrylonitrile	0.090	0.101	0.104	0.103	0.102	0.100	0.100	5.22
23)		ETBE	0.761	0.809	0.893	0.898	0.903	0.855	0.853	6.72
24)		Vinyl acetate	0.315	0.325	0.351	0.346	0.331	0.308	0.329	5.08
25)		cis-1,2-Dichloroeth	0.248	0.262	0.306	0.305	0.317	0.311	0.292	9.86
26)		2,2-Dichloropropane	0.226	0.222	0.277	0.266	0.264	0.256	0.252	9.06
27)		Bromochloromethane	0.112	0.132	0.156	0.155	0.162	0.158	0.146	13.45
28)		Cyclohexane	0.413	0.400	0.570	0.556	0.565	0.541	0.507	15.56
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
		Response Ratio = 0.00000 + 0.58112 *A + -0.01891 *A^2								
29)	C	Chloroform	0.426	0.435	0.524	0.521	0.534	0.510	0.492	9.73
30)		Tetrahydrofuran	0.103	0.093	0.081	0.076	0.076	0.073	0.084	14.33
31)	S	Dibromofluoromethan	0.267	0.271	0.272	0.273	0.276	0.274	0.272	1.16

Initial Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: VJ2327-ICC2327
Lab FileID: J035007.D

32)		Carbon Tetrachlorid	0.261	0.267	0.348	0.337	0.349	0.338	0.317	12.99
33)		1,1,1-Trichloroetha	0.299	0.308	0.398	0.396	0.403	0.390	0.366	13.22
34)		2-Butanone	0.136	0.129	0.128	0.124	0.121	0.115	0.125	5.64
35)		1,1-Dichloropropene	0.292	0.283	0.390	0.386	0.393	0.383	0.354	14.75
36)		Benzene	0.853	0.908	1.104	1.091	1.107	1.049	1.019	10.85
37)		TAME	0.618	0.660	0.728	0.733	0.755	0.732	0.704	7.53
38)	S	1,2-Dichloroethane-	0.317	0.322	0.328	0.330	0.310	0.303	0.318	3.32
39)		1,2-Dichloroethane	0.380	0.394	0.434	0.423	0.424	0.405	0.410	5.01
40)		Trichloroethene	0.255	0.230	0.293	0.294	0.299	0.285	0.276	10.02
41)		Methylcyclohexane	0.326	0.311	0.456	0.450	0.454	0.431	0.405	16.65

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995
Response Ratio = 0.00000 + 0.47236 *A + -0.01966 *A^2

42)		Dibromomethane	0.147	0.153	0.167	0.168	0.172	0.168	0.162	6.24
43)	C	1,2-Dichloropropane	0.273	0.285	0.334	0.333	0.336	0.324	0.314	8.89
44)		Bromodichloromethan	0.292	0.332	0.394	0.393	0.409	0.397	0.369	12.62
45)		2-Chloroethyl vinyl	0.113	0.136	0.152	0.166	0.164	0.152	0.147	13.56
46)		cis-1,3-Dichloropro	0.319	0.372	0.448	0.461	0.476	0.456	0.422	14.76
47)	I	Chlorobenzene-d5	----------ISTD----------							
48)	S	Toluene-d8	1.338	1.371	1.314	1.284	1.285	1.284	1.313	2.75
49)	C	Toluene	1.281	1.319	1.548	1.519	1.500	1.381	1.425	7.92
50)		2-Nitropropane	0.092	0.094	0.096	0.096	0.097	0.094	0.095	2.13
51)		4-Methyl-2-pentanon	0.357	0.378	0.382	0.363	0.337	0.301	0.353	8.49
52)		trans-1,3-Dichlorop	0.342	0.421	0.486	0.510	0.518	0.477	0.459	14.55
53)		Tetrachloroethene	0.304	0.299	0.382	0.384	0.411	0.422	0.367	14.46
54)		1,1,2-Trichloroetha	0.236	0.273	0.283	0.284	0.290	0.283	0.275	7.18
55)		Dibromochloromethan	0.279	0.317	0.364	0.375	0.400	0.393	0.355	13.42
56)		1,3-Dichloropropane	0.498	0.548	0.566	0.561	0.579	0.558	0.552	5.12
57)		1,2-Dibromoethane	0.272	0.302	0.324	0.321	0.335	0.336	0.315	7.75
58)		2-hexanone	0.217	0.235	0.246	0.239	0.229	0.212	0.230	5.70
59)		1-Chlorohexane	0.330	0.341	0.472	0.474	0.494	0.477	0.431	17.35

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993
Response Ratio = 0.00000 + 0.48687 *A + -0.00346 *A^2

60)	C	Ethylbenzene	1.551	1.437	1.759	1.678	1.561	1.373	1.560	9.24
61)	P	Chlorobenzene	0.866	0.894	1.068	1.048	1.034	0.959	0.978	8.68
62)		1,1,1,2-Tetrachloro	0.312	0.328	0.381	0.377	0.400	0.394	0.365	10.04
63)		m,p-Xylene	1.101	1.087	1.354	1.260	1.115	0.931	1.141	12.92
64)		o-Xylene	1.054	1.104	1.340	1.327	1.315	1.197	1.223	10.11
65)		Styrene	0.658	0.778	1.016	1.045	1.074	1.001	0.929	18.22

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989
Response Ratio = 0.00000 + 1.10382 *A + -0.04637 *A^2

66)	P	Bromoform	0.149	0.186	0.220	0.229	0.248	0.255	0.215	18.68

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998
Response Ratio = 0.00000 + 0.21721 *A + 0.01932 *A^2

67)		Isopropylbenzene	0.996	1.075	1.417	1.398	1.382	1.255	1.254	14.37
68)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
69)	S	4-Bromofluorobenzen	0.985	0.976	0.951	0.915	0.899	0.888	0.936	4.36
70)		n-Propylbenzene	3.034	2.995	3.855	3.590	3.172	2.682	3.221	13.30
71)		Bromobenzene	0.670	0.723	0.836	0.852	0.882	0.866	0.805	10.79
72)	P	1,1,2,2-Tetrachloro	0.749	0.790	0.769	0.753	0.739	0.702	0.750	3.96
73)		1,3,5-Trimethylbenz	1.918	2.008	2.599	2.486	2.325	2.039	2.229	12.59
74)		2-Chlorotoluene	2.142	2.137	2.649	2.522	2.332	2.003	2.297	10.87
75)		trans-1,4-Dichloro-	0.067	0.052	0.089	0.110	0.134	0.137	0.098	35.69

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9973
Response Ratio = 0.00000 + 0.09682 *A + 0.02122 *A^2

Initial Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: VJ2327-ICC2327
Lab FileID: J035007.D

76)		1,2,3-Trichloroprop	0.189	0.211	0.219	0.213	0.211	0.207	0.208	4.85
77)		Cyclohexanone	0.019	0.020	0.019	0.019	0.019	0.018	0.019	2.75
78)		4-Chlorotoluene	1.937	1.890	2.255	2.212	2.142	1.909	2.058	7.98
79)		tert-Butylbenzene	1.133	1.155	1.493	1.435	1.392	1.276	1.314	11.40
80)		1,2,4-Trimethylbenz	2.159	2.069	2.571	2.488	2.375	2.096	2.293	9.33
81)		sec-Butylbenzene	2.352	2.385	3.112	2.999	2.805	2.433	2.681	12.47
82)		4-Isopropyltoluene	1.792	1.778	2.444	2.373	2.296	2.042	2.121	13.83
83)		1,3-Dichlorobenzene	1.254	1.187	1.408	1.416	1.459	1.387	1.352	7.87
84)		1,4-Dichlorobenzene	1.404	1.323	1.509	1.510	1.520	1.444	1.452	5.34
85)		n-Butylbenzene	1.056	1.033	1.425	1.448	1.407	1.276	1.274	14.75
86)		Benzyl Chloride	0.199	0.224	0.265	0.282	0.291	0.282	0.257	14.41
87)		1,2-Dichlorobenzene	1.162	1.167	1.340	1.351	1.375	1.306	1.284	7.39
88)		1,2-Dibromo-3-Chlor	0.113	0.097	0.107	0.108	0.108	0.108	0.107	4.88
89)		Hexachlorobutadiene	0.365	0.268	0.358	0.360	0.388	0.392	0.355	12.68
90)		1,2,4-Trichlorobenz	0.695	0.584	0.708	0.760	0.816	0.806	0.728	11.86
91)		Naphthalene	1.540	1.291	1.499	1.574	1.579	1.493	1.496	7.13
92)		1,2,3-Trichlorobenz	0.671	0.519	0.602	0.641	0.682	0.674	0.632	9.93
93)	I	Tert Butyl Alcohol-d1	----------ISTD----------							
94)		acrolein	1.736	1.503	1.484	1.401	1.419	1.401	1.491	8.58
95)		Tert Butyl Alcohol	1.379	1.199	1.117	1.105	1.087	1.058	1.157	10.24
96)		tert Amyl alcohol	0.883	0.814	0.919	0.916	0.934	0.913	0.897	4.90
97)		1,4-Dioxane	0.070	0.101	0.109	0.108	0.106	0.103	0.099	14.85

(#) = Out of Range

8260-J.M Wed Dec 26 10:22:19 2007

5.7 5

Instrument Performance Check (BFB)

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	VJ2329-BFB	Injection Date:	12/27/07
Lab File ID:	J035062.D	Injection Time:	08:30
Instrument ID:	GCMSJ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	33512	24.0		Pass
75	30.0 - 60.0% of mass 95	64512	46.3		Pass
95	Base peak, 100% relative abundance	139392	100.0		Pass
96	5.0 - 9.0% of mass 95	9923	7.1		Pass
173	Less than 2.0% of mass 174	241	0.17	(0.21) [a]	Pass
174	50.0 - 100.0% of mass 95	114800	82.4		Pass
175	5.0 - 9.0% of mass 174	7840	5.6	(6.8) [a]	Pass
176	95.0 - 101.0% of mass 174	113490	81.4	(98.9) [a]	Pass
177	5.0 - 9.0% of mass 176	7388	5.3	(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
VJ2329-CC2327	J035064.D	12/27/07	08:54	00:24	Continuing cal 4
VJ2329-BS	J035065.D	12/27/07	09:19	00:49	Blank Spike
VJ2329-MB	J035066.D	12/27/07	09:43	01:13	Method Blank
ZZZZZZ	J035067.D	12/27/07	10:08	01:38	(unrelated sample)
F54653-12	J035068.D	12/27/07	10:32	02:02	(used for QC only; not part of job F54634)
ZZZZZZ	J035069.D	12/27/07	10:56	02:26	(unrelated sample)
F54653-12MS	J035070.D	12/27/07	11:20	02:50	Matrix Spike
F54653-12MSD	J035071.D	12/27/07	11:44	03:14	Matrix Spike Duplicate
F54634-1	J035072.D	12/27/07	12:08	03:38	BRN-1120-MW14R-1207
F54634-2	J035073.D	12/27/07	12:32	04:02	BRN-1120-MW30-1207
F54634-3	J035074.D	12/27/07	12:56	04:26	BRN-1120-MW28-1207
F54634-4	J035075.D	12/27/07	13:20	04:50	BRN-1120-MW29-1207
F54634-5	J035076.D	12/27/07	13:45	05:15	BRN-1120-DUP01-1207
F54634-6	J035077.D	12/27/07	14:09	05:39	TRIP BLANK
ZZZZZZ	J035079.D	12/27/07	14:57	06:27	(unrelated sample)
ZZZZZZ	J035080.D	12/27/07	15:22	06:52	(unrelated sample)
ZZZZZZ	J035082.D	12/27/07	16:09	07:39	(unrelated sample)
ZZZZZZ	J035083.D	12/27/07	16:34	08:04	(unrelated sample)
ZZZZZZ	J035084.D	12/27/07	16:58	08:28	(unrelated sample)
ZZZZZZ	J035086.D	12/27/07	17:47	09:17	(unrelated sample)
ZZZZZZ	J035087.D	12/27/07	18:11	09:41	(unrelated sample)
VJ2330-BS	J035088.D	12/27/07	18:35	10:05	Blank Spike
VJ2330-MB	J035089.D	12/27/07	18:59	10:29	Method Blank
ZZZZZZ	J035090.D	12/27/07	19:23	10:53	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	VJ2329-BFB	Injection Date:	12/27/07
Lab File ID:	J035062.D	Injection Time:	08:30
Instrument ID:	GCMSJ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F54768-1	J035091.D	12/27/07	19:48	11:18	(used for QC only; not part of job F54634)
F54768-1MS	J035092.D	12/28/07	08:19	23:49	Matrix Spike
F54768-1MSD	J035093.D	12/28/07	08:43	24:13	Matrix Spike Duplicate

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: VJ2329-CC2327
Lab FileID: J035064.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\122707\J035064.D
Acq On : 27 Dec 2007 8:54 am
Sample : CC2327-4
Misc : ms9104,vj2329,,,,,
MS Integration Params: Tiny.p

Vial: 1
Operator: karenw
Inst : MSVOA6
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\8260-J.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Wed Dec 26 10:17:35 2007
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	90	0.00	7.65
2		Dichlorodifluoromethane	0.185	0.198	-7.0	88	-0.01	2.79
3	P	Chloromethane	0.389	0.430	-10.5	99	0.01	3.05
4	C	Vinyl Chloride	0.280	0.320	-14.3	97	0.01	3.18
5		Bromomethane	0.170	0.192	-12.9	100	-0.02	3.57
6		Chloroethane	0.157	0.181	-15.3	97	-0.02	3.73
7		Trichlorofluoromethane	0.265	0.296	-11.7	95	-0.01	3.88
8		Ethyl Ether	0.280	0.314	-12.1	100	0.00	4.15
		----------	Amount	Calc.	%Drift		----------	
9		1,2-Dichlorotrifluoroetha	40.000	49.110	-22.8#	105	0.00	4.36
10	C	1,1-Dichloroethene	40.000	45.645	-14.1	103	-0.02	4.45
		----------	AvgRF	CCRF	%Dev		----------	
11		Freon 113	0.197	0.252	-27.9#	109	0.00	4.50
12		Carbon Disulfide	0.699	0.852	-21.9#	105	-0.10	4.45
13		Iodomethane	0.489	0.549	-12.3	96	-0.03	4.65
		----------	Amount	Calc.	%Drift		----------	
14		Methylene Chloride	40.000	42.954	-7.4	98	0.00	5.01
		----------	AvgRF	CCRF	%Dev		----------	
15		Acetone	0.077	0.098	-27.3#	124	0.00	5.07
		----------	Amount	Calc.	%Drift		----------	
16		Methyl acetate	200.000	255.156	-27.6#	116	0.00	5.18
		----------	AvgRF	CCRF	%Dev		----------	
17		trans-1,2-Dichloroethene	0.445	0.487	-9.4	93	0.00	5.18
18		Hexane	0.279	0.318	-14.0	97	0.00	5.26
19		Methyl Tert Butyl Ether	0.750	0.777	-3.6	92	0.00	5.29
20		Di-isopropyl ether	1.063	1.193	-12.2	96	0.00	5.66
21	P	1,1-Dichloroethane	0.516	0.569	-10.3	93	0.00	5.84
22		Acrylonitrile	0.100	0.112	-12.0	98	0.00	5.88
23		ETBE	0.853	0.941	-10.3	94	0.00	6.05
24		Vinyl acetate	0.329	0.366	-11.2	95	0.00	6.06
25		cis-1,2-Dichloroethene	0.292	0.305	-4.5	90	0.00	6.39
26		2,2-Dichloropropane	0.252	0.273	-8.3	92	0.00	6.51
27		Bromochloromethane	0.146	0.158	-8.2	92	0.00	6.60
		----------	Amount	Calc.	%Drift		----------	
28		Cyclohexane	40.000	42.098	-5.2	96	0.00	6.61

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: VJ2329-CC2327
Lab FileID: J035064.D

			AvgRF	CCRF	%Dev			
29	C	Chloroform	0.492	0.521	-5.9	90	0.00	6.64
30		Tetrahydrofuran	0.084	0.090	-7.1	106	0.00	6.83
31	S	Dibromofluoromethane	0.272	0.279	-2.6	92	0.00	6.83
32		Carbon Tetrachloride	0.317	0.345	-8.8	92	0.00	6.81
33		1,1,1-Trichloroethane	0.366	0.394	-7.7	90	0.00	6.89
34		2-Butanone	0.125	0.149	-19.2	109	0.00	6.95
35		1,1-Dichloropropene	0.354	0.393	-11.0	92	0.00	7.00
36		Benzene	1.019	1.092	-7.2	90	0.00	7.25
37		TAME	0.704	0.755	-7.2	93	0.00	7.33
38	S	1,2-Dichloroethane-d4	0.318	0.340	-6.9	93	0.00	7.38
39		1,2-Dichloroethane	0.410	0.431	-5.1	92	0.00	7.45
40		Trichloroethene	0.276	0.297	-7.6	91	0.00	7.81
			Amount	Calc.	%Drift			
41		Methylcyclohexane	40.000	40.731	-1.8	93	0.00	7.82
			AvgRF	CCRF	%Dev			
42		Dibromomethane	0.162	0.170	-4.9	91	0.00	8.24
43	C	1,2-Dichloropropane	0.314	0.336	-7.0	91	0.00	8.34
44		Bromodichloromethane	0.369	0.394	-6.8	90	0.00	8.37
45		2-Chloroethyl vinyl ether	0.147	0.151	-2.7	82	0.00	8.90
46		cis-1,3-Dichloropropene	0.422	0.463	-9.7	91	0.00	8.99
47	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00	10.71
48	S	Toluene-d8	1.313	1.287	2.0	91	0.00	9.18
49	C	Toluene	1.425	1.505	-5.6	90	0.00	9.23
50		2-Nitropropane	0.095	0.107	-12.6	101	0.00	9.45
51		4-Methyl-2-pentanone	0.353	0.408	-15.6	102	0.00	9.57
52		trans-1,3-Dichloropropene	0.459	0.529	-15.3	94	0.00	9.62
53		Tetrachloroethene	0.367	0.387	-5.4	91	0.00	9.62
54		1,1,2-Trichloroethane	0.275	0.282	-2.5	90	0.00	9.78
55		Dibromochloromethane	0.355	0.384	-8.2	92	0.00	9.97
56		1,3-Dichloropropane	0.552	0.562	-1.8	90	0.00	10.06
57		1,2-Dibromoethane	0.315	0.319	-1.3	90	-0.01	10.23
58		2-hexanone	0.230	0.271	-17.8	103	0.00	10.39
			Amount	Calc.	%Drift			
59		1-Chlorohexane	40.000	38.864	2.8	90	0.00	10.68
			AvgRF	CCRF	%Dev			
60	C	Ethylbenzene	1.560	1.711	-9.7	92	0.00	10.74
61	P	Chlorobenzene	0.978	1.059	-8.3	91	0.00	10.73
62		1,1,1,2-Tetrachloroethane	0.365	0.380	-4.1	91	0.00	10.79
63		m,p-Xylene	1.141	1.299	-13.8	93	0.00	10.88
64		o-Xylene	1.223	1.313	-7.4	89	0.00	11.32
			Amount	Calc.	%Drift			
65		Styrene	40.000	37.790	5.5	87	0.00	11.37
66	P	Bromoform	40.000	42.211	-5.5	97	0.00	11.41
			AvgRF	CCRF	%Dev			
67		Isopropylbenzene	1.254	1.387	-10.6	90	0.00	11.63
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00	13.08
69	S	4-Bromofluorobenzene	0.936	0.903	3.5	89	0.00	11.92
70		n-Propylbenzene	3.221	3.641	-13.0	92	0.00	12.05
71		Bromobenzene	0.805	0.841	-4.5	89	0.00	12.05
72	P	1,1,2,2-Tetrachloroethane	0.750	0.757	-0.9	91	0.00	12.10

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: VJ2329-CC2327
Lab FileID: J035064.D

73	1,3,5-Trimethylbenzene	2.229	2.485	-11.5	90	0.00	12.23
74	2-Chlorotoluene	2.297	2.543	-10.7	91	0.00	12.22
	----------	Amount	Calc.	%Drift		----------	
75	trans-1,4-Dichloro-2-Bute	40.000	55.518	-38.8#	138	0.00	12.29
	----------	AvgRF	CCRF	%Dev		----------	
76	1,2,3-Trichloropropane	0.208	0.216	-3.8	92	0.00	12.27
77	Cyclohexanone	0.019	0.021	-10.5	101	0.00	12.33
78	4-Chlorotoluene	2.058	2.160	-5.0	88	0.00	12.39
79	tert-Butylbenzene	1.314	1.422	-8.2	90	0.00	12.57
80	1,2,4-Trimethylbenzene	2.293	2.487	-8.5	90	0.00	12.64
81	sec-Butylbenzene	2.681	3.013	-12.4	91	0.00	12.75
82	4-Isopropyltoluene	2.121	2.362	-11.4	90	0.00	12.89
83	1,3-Dichlorobenzene	1.352	1.384	-2.4	88	0.00	13.01
84	1,4-Dichlorobenzene	1.452	1.468	-1.1	88	0.00	13.09
85	n-Butylbenzene	1.274	1.456	-14.3	91	0.00	13.32
86	Benzyl Chloride	0.257	0.297	-15.6	96	0.00	13.34
87	1,2-Dichlorobenzene	1.284	1.312	-2.2	88	0.00	13.52
88	1,2-Dibromo-3-Chloropropa	0.107	0.108	-0.9	91	0.00	14.27
89	Hexachlorobutadiene	0.355	0.361	-1.7	91	0.00	14.82
90	1,2,4-Trichlorobenzene	0.728	0.746	-2.5	89	0.00	14.86
91	Naphthalene	1.496	1.581	-5.7	91	0.00	15.16
92	1,2,3-Trichlorobenzene	0.632	0.646	-2.2	91	0.00	15.31
93 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	104	-0.01	5.27
94	acrolein	1.491	1.326	11.1	99	-0.01	4.76
95	Tert Butyl Alcohol	1.157	1.101	4.8	104	0.00	5.35
96	tert Amyl alcohol	0.897	0.922	-2.8	105	-0.01	7.48
97	1,4-Dioxane	0.099	0.099	0.0	96	0.00	8.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J035007.D 8260-J.M Fri Dec 28 09:31:03 2007

5.7 5

Method Blank Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2329-MB	J035066.D	1	12/27/07	KW	n/a	n/a	VJ2329

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

F54634-1, F54634-2, F54634-3, F54634-4, F54634-5, F54634-6

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2329-MB	J035066.D	1	12/27/07	KW	n/a	n/a	VJ2329

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

F54634-1, F54634-2, F54634-3, F54634-4, F54634-5, F54634-6

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	104%	86-112%
460-00-4	4-Bromofluorobenzene	108%	84-120%

Instrument Performance Check (DFTPP)

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	SW1966-DFTPP	Injection Date:	12/03/07
Lab File ID:	W038389.D	Injection Time:	17:28
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	105355	40.3		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	97994	37.5		Pass
70	Less than 2.0% of mass 69	406	0.16	(0.41) [a]	Pass
127	40.0 - 60.0% of mass 198	136515	52.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	261181	100.0		Pass
199	5.0 - 9.0% of mass 198	18567	7.1		Pass
275	10.0 - 30.0% of mass 198	55203	21.1		Pass
365	1.0 - 100.0% of mass 198	5006	1.9		Pass
441	Present, but less than mass 443	22325	8.5	(77.1) [b]	Pass
442	40.0 - 100.0% of mass 198	146787	56.2		Pass
443	17.0 - 23.0% of mass 442	28939	11.1	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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
SW1966-IC1966	W038390.D	12/03/07	17:44	00:16	Initial cal 1
SW1966-IC1966	W038391.D	12/03/07	18:10	00:42	Initial cal 2
SW1966-IC1966	W038392.D	12/03/07	18:36	01:08	Initial cal 3
SW1966-ICC1966	W038393.D	12/03/07	19:02	01:34	Initial cal 4
SW1966-IC1966	W038394.D	12/03/07	19:28	02:00	Initial cal 5
SW1966-IC1966	W038395.D	12/03/07	19:54	02:26	Initial cal 6
SW1966-IC1966	W038396.D	12/03/07	20:20	02:52	Initial cal 7
SW1966-ICV1966	W038397.D	12/03/07	22:47	05:19	Initial cal verification 4

Initial Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: SW1966-ICC1966
Lab FileID: W038393.D

Response Factor Report MSBNA01

Method : C:\HPCHEM\1\METHODS\SIM_PAH.M (RTE Integrator)
Title : PAH's by 8270 SIM
Last Update : Tue Dec 04 10:26:43 2007
Response via : Initial Calibration

Calibration Files
L1 =W038390.D L2 =W038391.D L3 =W038392.D L4 =W038393.D
L5 =W038394.D L6 =W038395.D L7 =W038396.D icv =W038397.D

Compound	L1	L2	L3	L4	L5	L6	L7	icv	Avg	%RSD
1) I Naphthalene-d8				----------ISTD----------						
2) Nitrobenzene	0.371	0.361	0.343	0.351	0.343	0.318	0.326		0.345	5.36
3) N-nitroso-di		0.124	0.114	0.113	0.102	0.092	0.095		0.107	11.54
4) Naphthalene	1.153	1.099	1.029	1.013	0.965	0.820	0.809		0.984	13.28
5) 2-Methylnaph	0.782	0.748	0.693	0.703	0.663	0.616	0.574		0.683	10.58
6) 1-Methylnaph	0.722	0.695	0.642	0.646	0.610	0.575	0.539		0.633	10.15
7) I Acenaphthene-d10				----------ISTD----------						
8) Hexachlorocy		0.269	0.276	0.307	0.316	0.285	0.303		0.293	6.39
9) 2-Fluorobiph	2.152	1.688	1.941	1.972	1.846	1.786	1.703		1.870	8.84
10) Acenaphthyle	2.133	2.014	1.911	1.906	1.861	1.684	1.718		1.889	8.31
11) Acenaphthene	1.338	1.277	1.212	1.213	1.163	1.115	1.069		1.198	7.70
12) 2,4-Dinitrop		0.096	0.124	0.134	0.161	0.145	0.179		0.140	20.68
13) 4-Nitropheno		0.226	0.231	0.232	0.246	0.219	0.249		0.234	4.89
14) Fluorene	1.461	1.380	1.304	1.321	1.256	1.158	1.140		1.289	8.95
15) I Phenanthrene-d10				----------ISTD----------						
16) Phenanthrene	1.414	1.347	1.265	1.269	1.187	1.123	1.118		1.246	8.94
17) Anthracene	1.407	1.340	1.271	1.287	1.212	1.136	1.137		1.256	8.05
18) Fluoranthene	1.309	1.229	1.189	1.203	1.163	1.083	1.078		1.179	6.92
19) I Chrysene-d12				----------ISTD----------						
20) Pyrene	2.405	2.376	2.160	2.296	2.037	2.065	1.944		2.183	8.19
21) Terphenyl-d1	1.043	1.047	0.980	1.012	0.955	0.921	0.899		0.980	5.91
22) Benzo[a]anth	1.873	1.712	1.631	1.659	1.635	1.580	1.592		1.669	5.98
23) Chrysene	1.733	1.711	1.612	1.638	1.599	1.547	1.536		1.625	4.63
24) I Perylene-d12				----------ISTD----------						
25) Benzo[b]fluo	1.564	1.561	1.513	1.574	1.509	1.494	1.586		1.543	2.36
26) Benzo[k]fluo	1.704	1.630	1.619	1.649	1.651	1.623	1.560		1.634	2.65
27) Benzo[a]pyre	1.448	1.417	1.393	1.414	1.409	1.420	1.409		1.416	1.20
28) Indeno[1,2,3	1.147	1.101	1.105	1.102	1.140	1.132	1.072		1.114	2.37
29) Dibenz[a,h]a	1.124	1.103	1.129	1.142	1.170	1.148	1.091		1.129	2.39
30) Benzo[g,h,i]	1.300	1.269	1.276	1.276	1.304	1.262	1.184		1.267	3.16

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

SIM_PAH.M Tue Dec 04 10:28:09 2007

Instrument Performance Check (DFTPP)

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	SW1980-DFTPP	Injection Date:	12/21/07
Lab File ID:	W038706.D	Injection Time:	13:37
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	84296	37.4		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	80088	35.5		Pass
70	Less than 2.0% of mass 69	170	0.08	(0.21) [a]	Pass
127	40.0 - 60.0% of mass 198	112824	50.0		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	225427	100.0		Pass
199	5.0 - 9.0% of mass 198	14699	6.5		Pass
275	10.0 - 30.0% of mass 198	47856	21.2		Pass
365	1.0 - 100.0% of mass 198	4343	1.9		Pass
441	Present, but less than mass 443	21696	9.6	(80.6) [b]	Pass
442	40.0 - 100.0% of mass 198	141896	62.9		Pass
443	17.0 - 23.0% of mass 442	26908	11.9	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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
SW1980-CC1966	W038707.D	12/21/07	13:53	00:16	Continuing cal 5
OP23557-BS	W038708.D	12/21/07	14:31	00:54	Blank Spike
OP23557-MB	W038709.D	12/21/07	14:58	01:21	Method Blank
ZZZZZZ	W038710.D	12/21/07	15:32	01:55	(unrelated sample)
ZZZZZZ	W038711.D	12/21/07	15:58	02:21	(unrelated sample)
F54599-3	W038712.D	12/21/07	16:27	02:50	(used for QC only; not part of job F54634)
OP23557-MS	W038713.D	12/21/07	16:53	03:16	Matrix Spike
OP23557-MSD	W038714.D	12/21/07	17:19	03:42	Matrix Spike Duplicate
ZZZZZZ	W038715.D	12/21/07	17:45	04:08	(unrelated sample)
ZZZZZZ	W038716.D	12/21/07	18:12	04:35	(unrelated sample)
ZZZZZZ	W038717.D	12/21/07	18:38	05:01	(unrelated sample)
ZZZZZZ	W038718.D	12/21/07	19:04	05:27	(unrelated sample)
F54634-2	W038720.D	12/21/07	19:56	06:19	BRN-1120-MW30-1207
F54634-3	W038721.D	12/21/07	20:23	06:46	BRN-1120-MW28-1207
F54634-4	W038722.D	12/21/07	20:49	07:12	BRN-1120-MW29-1207
ZZZZZZ	W038724.D	12/21/07	21:41	08:04	(unrelated sample)
ZZZZZZ	W038725.D	12/21/07	22:07	08:30	(unrelated sample)
OP23553-MB	W038726.D	12/21/07	22:34	08:57	Method Blank
ZZZZZZ	W038727.D	12/21/07	23:00	09:23	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	SW1980-DFTPP	Injection Date:	12/21/07
Lab File ID:	W038706.D	Injection Time:	13:37
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W038728.D	12/21/07	23:26	09:49	(unrelated sample)
ZZZZZZ	W038729.D	12/21/07	23:52	10:15	(unrelated sample)
ZZZZZZ	W038730.D	12/22/07	00:18	10:41	(unrelated sample)

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: SW1980-CC1966
Lab FileID: W038707.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\122107\W038707.D Vial: 2
Acq On : 21 Dec 2007 1:53 pm Operator: rayb
Sample : cc1966-5 Inst : MSBNA01
Misc : op23557,sw1980,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\SIM_PAH.M (RTE Integrator)
Title : PAH's by 8270 SIM
Last Update : Mon Dec 24 09:29:49 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 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	Naphthalene-d8	1.000	1.000	0.0	137	0.00	5.65
2	S	Nitrobenzene-d5	0.345	0.333	3.5	133	0.00	5.02
3	P	N-nitroso-di-n-propylamin	0.107	0.097	9.3	131	0.00	4.91
4		Naphthalene	0.984	0.894	9.1	127	0.00	5.66
5		2-Methylnaphthalene	0.683	0.647	5.3	134	0.00	6.40
6		1-Methylnaphthalene	0.633	0.598	5.5	135	0.00	6.52
7	I	Acenaphthene-d10	1.000	1.000	0.0	139	0.00	7.79
8	P	Hexachlorocyclopentadiene	0.293	0.277	5.5	122	-0.02	6.59
9	S	2-Fluorobiphenyl	1.870	1.727	7.6	130	-0.02	6.87
10		Acenaphthylene	1.889	1.731	8.4	130	-0.01	7.58
11	C	Acenaphthene	1.198	1.092	8.8	131	0.00	7.84
12	P	2,4-Dinitrophenol	0.140	0.132	5.7	114	0.02	7.95
13	P	4-Nitrophenol	0.234	0.218	6.8	124	0.04	8.13
14		Fluorene	1.289	1.203	6.7	134	0.01	8.65
15	I	Phenanthrene-d10	1.000	1.000	0.0	135	0.00	10.22
16		Phenanthrene	1.246	1.156	7.2	132	0.00	10.27
17		Anthracene	1.256	1.173	6.6	131	0.00	10.36
18	C	Fluoranthene	1.179	1.064	9.8	124	-0.04	12.42
19	I	Chrysene-d12	1.000	1.000	0.0	118	0.00	15.08
20		Pyrene	2.183	2.135	2.2	124	-0.01	12.81
21	S	Terphenyl-d14	0.980	0.976	0.4	120	-0.02	13.24
22		Benzo[a]anthracene	1.669	1.597	4.3	115	0.00	15.07
23		Chrysene	1.625	1.543	5.0	114	0.00	15.13
24	I	Perylene-d12	1.000	1.000	0.0	103	0.00	17.56
25		Benzo[b]fluoranthene	1.543	1.610	-4.3	110	-0.01	16.95
26		Benzo[k]fluoranthene	1.634	1.613	1.3	101	-0.01	17.00
27	C	Benzo[a]pyrene	1.416	1.419	-0.2	104	0.00	17.46
28		Indeno[1,2,3-cd]pyrene	1.114	1.016	8.8	92	0.02	19.12
29		Dibenz[a,h]anthracene	1.129	1.000	11.4	88	0.03	19.18
30		Benzo[g,h,i]perylene	1.267	1.159	8.5	92	0.02	19.46

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W038394.D SIM_PAH.M Mon Dec 24 09:32:21 2007

7.7

Instrument Performance Check (DFTPP)

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	SW1981-DFTPP	Injection Date:	12/24/07
Lab File ID:	W038731.D	Injection Time:	12:43
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	125584	37.9		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	121540	36.7		Pass
70	Less than 2.0% of mass 69	712	0.21	(0.59) [a]	Pass
127	40.0 - 60.0% of mass 198	165413	49.9		Pass
197	Less than 1.0% of mass 198	577	0.17		Pass
198	Base peak, 100% relative abundance	331328	100.0		Pass
199	5.0 - 9.0% of mass 198	22397	6.8		Pass
275	10.0 - 30.0% of mass 198	67856	20.5		Pass
365	1.0 - 100.0% of mass 198	5689	1.7		Pass
441	Present, but less than mass 443	28634	8.6	(78.4) [b]	Pass
442	40.0 - 100.0% of mass 198	185243	55.9		Pass
443	17.0 - 23.0% of mass 442	36509	11.0	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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
SW1981-CC1966	W038732.D	12/24/07	12:59	00:16	Continuing cal 4
OP23585-BS	W038733.D	12/24/07	13:29	00:46	Blank Spike
OP23585-MB	W038734.D	12/24/07	13:55	01:12	Method Blank
ZZZZZZ	W038735.D	12/24/07	14:36	01:53	(unrelated sample)
ZZZZZZ	W038736.D	12/24/07	15:02	02:19	(unrelated sample)
ZZZZZZ	W038737.D	12/24/07	15:28	02:45	(unrelated sample)
F54699-4	W038738.D	12/24/07	15:54	03:11	(used for QC only; not part of job F54634)
OP23585-MS	W038739.D	12/24/07	16:20	03:37	Matrix Spike
OP23585-MSD	W038740.D	12/24/07	16:47	04:04	Matrix Spike Duplicate
ZZZZZZ	W038741.D	12/24/07	17:13	04:30	(unrelated sample)
OP23557-MB	W038742.D	12/24/07	17:39	04:56	Method Blank
F54634-1	W038743.D	12/24/07	18:05	05:22	BRN-1120-MW14R-1207
F54634-5	W038745.D	12/24/07	18:57	06:14	BRN-1120-DUP01-1207

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson
Sample: SW1981-CC1966
Lab FileID: W038732.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\122207\W038732.D Vial: 2
Acq On : 24 Dec 2007 12:59 pm Operator: rayb
Sample : cc1966-4 Inst : MSBNA01
Misc : op23585,sw1981,1000,,,1,1,water Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\SIM_PAH.M (RTE Integrator)
Title : PAH's by 8270 SIM
Last Update : Wed Dec 26 09:49:58 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 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	Naphthalene-d8	1.000	1.000	0.0	121	0.00	5.63
2	S	Nitrobenzene-d5	0.345	0.346	-0.3	120	0.00	5.00
3	P	N-nitroso-di-n-propylamin	0.107	0.104	2.8	112	0.00	4.89
4		Naphthalene	0.984	0.971	1.3	116	0.00	5.65
5		2-Methylnaphthalene	0.683	0.665	2.6	115	0.00	6.37
6		1-Methylnaphthalene	0.633	0.618	2.4	116	0.00	6.50
7	I	Acenaphthene-d10	1.000	1.000	0.0	122	0.00	7.76
8	P	Hexachlorocyclopentadiene	0.293	0.263	10.2	105	-0.02	6.56
9	S	2-Fluorobiphenyl	1.870	1.703	8.9	105	-0.02	6.84
10		Acenaphthylene	1.889	1.791	5.2	115	-0.01	7.55
11	C	Acenaphthene	1.198	1.155	3.6	116	0.00	7.81
12	P	2,4-Dinitrophenol	0.140	0.136	2.9	123	0.02	7.92
13	P	4-Nitrophenol	0.234	0.230	1.7	121	0.00	8.09
14		Fluorene	1.289	1.263	2.0	117	0.02	8.62
15	I	Phenanthrene-d10	1.000	1.000	0.0	125	0.00	10.18
16		Phenanthrene	1.246	1.203	3.5	118	0.00	10.22
17		Anthracene	1.256	1.227	2.3	119	0.00	10.31
18	C	Fluoranthene	1.179	1.153	2.2	119	0.00	12.37
19	I	Chrysene-d12	1.000	1.000	0.0	132	0.00	15.05
20		Pyrene	2.183	2.030	7.0	116	-0.02	12.76
21	S	Terphenyl-d14	0.980	0.904	7.8	118	-0.04	13.20
22		Benzo[a]anthracene	1.669	1.598	4.3	127	0.00	15.03
23		Chrysene	1.625	1.597	1.7	128	0.00	15.09
24	I	Perylene-d12	1.000	1.000	0.0	135	0.00	17.52
25		Benzo[b]fluoranthene	1.543	1.527	1.0	131	0.00	16.91
26		Benzo[k]fluoranthene	1.634	1.581	3.2	129	0.00	16.96
27	C	Benzo[a]pyrene	1.416	1.390	1.8	133	0.00	17.42
28		Indeno[1,2,3-cd]pyrene	1.114	1.107	0.6	135	-0.02	19.08
29		Dibenz[a,h]anthracene	1.129	1.110	1.7	131	0.00	19.14
30		Benzo[g,h,i]perylene	1.267	1.305	-3.0	138	-0.03	19.41

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W038393.D SIM_PAH.M Wed Dec 26 09:51:01 2007

7.7

Method Blank Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23557-MB	W038709.D	1	12/21/07	RB	12/20/07	OP23557	SW1980

The QC reported here applies to the following samples: Method: SW846 8270C BY SIM

F54634-1, F54634-2, F54634-3, F54634-4, F54634-5

7.1

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.50	ug/l	
120-12-7	Anthracene	ND	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.10	ug/l	
218-01-9	Chrysene	ND	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.25	ug/l	
86-73-7	Fluorene	ND	1.0	0.25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	1.0	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.50	ug/l	
129-00-0	Pyrene	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	61%	42-108%
321-60-8	2-Fluorobiphenyl	49%	40-106%
1718-51-0	Terphenyl-d14	80%	39-121%

Method Blank Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23557-MB	W038742.D	1	12/24/07	RB	12/20/07	OP23557	SW1981

The QC reported here applies to the following samples: Method: SW846 8270C BY SIM

F54634-1, F54634-2, F54634-3, F54634-4, F54634-5

7.1

7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.50	ug/l	
120-12-7	Anthracene	ND	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.10	ug/l	
218-01-9	Chrysene	ND	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.25	ug/l	
86-73-7	Fluorene	ND	1.0	0.25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	1.0	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.50	ug/l	
129-00-0	Pyrene	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	66%	42-108%
321-60-8	2-Fluorobiphenyl	49%	40-106%
1718-51-0	Terphenyl-d14	72%	39-121%

GC Surrogate Retention Time Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GOP2028-CC2024	Injection Date:	12/21/07
Lab File ID:	OP78352.D	Injection Time:	10:31
Instrument ID:	GCOP	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP23531-MB	OP78355.D	12/21/07	11:48	5.76
ZZZZZZ	OP78356.D	12/21/07	12:10	5.76
OP23567-BS	OP78357.D	12/21/07	12:32	5.76
OP23567-MB	OP78358.D	12/21/07	12:55	5.76
F54634-3	OP78359.D	12/21/07	13:17	5.76
F54634-4	OP78360.D	12/21/07	13:39	5.76
ZZZZZZ	OP78361.D	12/21/07	14:01	5.76
ZZZZZZ	OP78362.D	12/21/07	14:24	5.76
ZZZZZZ	OP78363.D	12/21/07	14:46	5.76
F54634-2	OP78364.D	12/21/07	15:08	5.76

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GOP2028-CC2024	Injection Date:	12/21/07
Lab File ID:	OP78365.D	Injection Time:	15:31
Instrument ID:	GCOP	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.76

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
ZZZZZZ	OP78367.D	12/21/07	16:15	5.76
ZZZZZZ	OP78368.D	12/21/07	16:37	5.76
F54688-1	OP78372.D	12/21/07	18:05	5.76
OP23567-MS	OP78373.D	12/21/07	18:27	5.76
OP23567-MSD	OP78374.D	12/21/07	18:49	5.76
ZZZZZZ	OP78375.D	12/21/07	19:11	0.00
ZZZZZZ	OP78376.D	12/21/07	19:33	0.00

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GOP2029-CC2024	Injection Date:	12/24/07
Lab File ID:	OP78408.D	Injection Time:	09:38
Instrument ID:	GCOP	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.76

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP23567-MB	OP78411.D	12/24/07	10:45	5.76
F54634-1	OP78412.D	12/24/07	11:08	5.76
F54634-5	OP78413.D	12/24/07	11:30	5.76
ZZZZZZ	OP78414.D	12/24/07	12:00	0.00
OP23581-MB	OP78415.D	12/24/07	12:22	5.76
ZZZZZZ	OP78416.D	12/24/07	12:44	5.76
ZZZZZZ	OP78417.D	12/24/07	13:06	0.00
ZZZZZZ	OP78418.D	12/24/07	13:28	5.75
ZZZZZZ	OP78419.D	12/24/07	13:50	5.75

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

Initial Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2024-ICC2024
Lab FileID: OP78116.D

Response Factor Report FID 2

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Thu Dec 13 12:40:28 2007
Response via : Initial Calibration

Calibration Files
255 =OP78107.D 340 =OP78108.D 680 =OP78109.D 1020=OP78116.D
1360=OP78111.D 1700=OP78112.D 2125=OP78113.D 4250=OP78114.D

Compound	255	340	680	1020	1360	1700	2125	4250	Avg	%RSD
1) O-TERPHENYL	2.769	2.685	2.712	2.785	2.677	2.733			2.727 E4	1.60
2) TPH (C8-C40)	2.678	2.603	2.575	2.628	2.512	2.562	2.498	2.361	2.552 E4	3.80

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

FL_PRO_R.M Fri Dec 14 09:14:53 2007

9.6

Initial Calibration Verification

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2024-ICV2024
Lab FileID: OP78117.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\1213PRO\OP78117.D          Vial: 11
Acq On    : 13 Dec 2007  12:35 pm                     Operator: kismetl
Sample    : icv2024-1020                              Inst    : FID 2
Misc      : op23435,gop2024,1000,,,1,1,water          Multiplr: 1.00
IntFile   : events.e

Method        : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title         : TPH by FL_PRO
Last Update   : Thu Dec 13 12:40:28 2007
Response via  : Multiple Level Calibration

Min. RRF      :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev  :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL		----------NA----------				
2 H	TPH (C8-C40)	1020.000	992.266	2.7	94	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Fri Dec 14 09:14:15 2007

9.6

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2028-CC2024
Lab FileID: OP78352.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\1221PRO\OP78352.D          Vial: 3
Acq On    : 21 Dec 2007  10:31 am                    Operator: kismetl
Sample    : cc2024-1020                              Inst    : FID 2
Misc      : op23531,gop2028,1000,,,1,1,water         Multiplr: 1.00
IntFile   : events.e

Method        : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title         : TPH by FL_PRO
Last Update   : Mon Dec 17 07:09:00 2007
Response via  : Multiple Level Calibration

Min. RRF      :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev  :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	58.790	2.0	96	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	1038.858	-1.8	99	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Mon Dec 24 08:17:44 2007

9.6

Raw Data: OP78353.D

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2028-CC2024
Lab FileID: OP78353.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\1221PRO\OP78353.D          Vial: 4
Acq On    : 21 Dec 2007  10:53 am                   Operator: kismetl
Sample    : cc2024-340                              Inst    : FID 2
Misc      : op23531,gop2028,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	20.000	19.442	2.8	99	0.00	5.69- 5.85
2 H	TPH (C8-C40)	340.000	358.168	-5.3	103	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78108.D FL_PRO_R.M Mon Dec 24 08:19:05 2007

9.6

Raw Data: OP78365.D

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2028-CC2024
Lab FileID: OP78365.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1221PRO\OP78365.D
Acq On : 21 Dec 2007 3:31 pm
Sample : cc2024-1020
Misc : op23567,gop2028,1030,,,1,1,water
IntFile : events.e

Vial: 15
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	60.748	-1.2	99	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	1072.062	-5.1	102	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Mon Dec 24 08:17:44 2007

9.6

ACCUTEST Laboratories F54634

Raw Data: OP78377.D

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2028-CC2024
Lab FileID: OP78377.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1221PRO\OP78377.D
Acq On : 21 Dec 2007 7:55 pm
Sample : cc2024-1020
Misc : op23567,gop2028,1050,,,1,40,water
IntFile : events.e

Vial: 26
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	O-TERPHENYL	60.000	58.799	2.0	96	0.00	5.69- 5.85
2	H	TPH (C8-C40)	1020.000	1046.824	-2.6	100	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Mon Dec 24 08:17:45 2007

9.6

ACCUTEST Laboratories
F54634

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2029-CC2024
Lab FileID: OP78408.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1224PRO\OP78408.D
Acq On : 24 Dec 2007 9:38 am
Sample : cc2024-1020
Misc : op23581,gop2029,1000,,,1,1,water
IntFile : events.e

Vial: 3
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	53.871	10.2	88	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	944.163	7.4	90	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Wed Dec 26 08:31:52 2007

9.6

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2029-CC2024
Lab FileID: OP78409.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1224PRO\OP78409.D
Acq On : 24 Dec 2007 10:00 am
Sample : cc2024-340
Misc : op23581,gop2029,1000,,,1,1,water
IntFile : events.e

Vial: 4
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	20.000	18.663	6.7	95	0.00	5.69- 5.85
2 H	TPH (C8-C40)	340.000	338.237	0.5	98	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78108.D FL_PRO_R.M Wed Dec 26 08:32:40 2007

9.6

Continuing Calibration Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2029-CC2024
Lab FileID: OP78420.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1224PRO\OP78420.D Vial: 14
Acq On : 24 Dec 2007 2:12 pm Operator: kismetl
Sample : cc2024-1020 Inst : FID 2
Misc : op23581,gop2029,1030,,,1,10,water Multiplr: 1.00
IntFile : events.e

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	S	O-TERPHENYL	60.000	55.509	7.5	91	0.00	5.69- 5.85
2	H	TPH (C8-C40)	1020.000	970.877	4.8	92	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Wed Dec 26 08:31:53 2007

9.6

Method Blank Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23567-MB	OP78358.D	1	12/21/07	KL	12/20/07	OP23567	GOP2028

The QC reported here applies to the following samples: Method: FLORIDA-PRO

F54634-1, F54634-2, F54634-3, F54634-4, F54634-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	75%	38-122%

Method Blank Summary

Job Number: F54634
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23567-MB	OP78411.D	1	12/24/07	KL	12/20/07	OP23567	GOP2029

The QC reported here applies to the following samples: Method: FLORIDA-PRO

F54634-1, F54634-2, F54634-3, F54634-4, F54634-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	73%	38-122%

NAS PENSACOLA
WATER DATA
F54634

FRACTION	CHEMICAL	BRN-1120-MW14R-1207	UNITS	BRN-1120-DUP01-1207	RPD	D
OV	ETHYLBENZENE	6	UG/L	6.2	3.28	0.20
OV	TOTAL XYLENES	9.3	UG/L	10.2	9.23	0.90

Current RPD Quality Control Limit: 35 %.
Shaded cells indicate RPDs that exceed the applicable quality control limit.

NAS PENSACOLA
WATER DATA
F54634

FRACTION	CHEMICAL	BRN-1120-MW14R-1207	UNITS	BRN-1120-DUP01-1207	RPD	D
PAH	1-METHYLNAPHTHALENE	140	UG/L	133	5.13	7.00
PAH	2-METHYLNAPHTHALENE	178	UG/L	172	3.43	6.00
PAH	FLUORENE	4.8	UG/L	4.7	2.11	0.10
PAH	NAPHTHALENE	77.5	UG/L	73.9	4.76	3.60
PAH	PHENANTHRENE	2.6 I	UG/L	2.5 I	3.92	0.10

Current RPD Quality Control Limit: 35 %.
Shaded cells indicate RPDs that exceed the applicable quality control limit.

NAS PENSACOLA
WATER DATA
F54634

FRACTION	CHEMICAL	BRN-1120-MW14R-1207	UNITS	BRN-1120-DUP01-1207	RPD	D
PET	TPH (C08-C40)	6.96	MG/L	6.1	13.17	0.86

Current RPD Quality Control Limit: 35 %.
Shaded cells indicate RPDs that exceed the applicable quality control limit.

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**G. WALKER**	**DATE:**	**JANUARY 30, 2008**
FROM:	**TERRI L. SOLOMON**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – VOCs, PAHs, TPH**
CTO – 0072 NAS PENSACOLA
SAMPLE DELIVERY GROUP (SDG) – F54581

SAMPLES: 12/Aqueous/

BRN-1120-MW05R-1207	BRN-1120-MW07-1207
BRN-1120-MW16R-1207	BRN-1120-MW24-1207
BRN-1120-MW25-1207	BRN-1120-MW27-1207
BRN-1120-MW36-1207	BRN-1120-MW37-1207
BRN-1120-MW38-1207	BRN-1120-MW39-1207
BRN-1120-MW40-1207	TRIP BLANK

Overview

The sample set for CTO 0072, NAS Pensacola, SDG F54581, consists of eleven (11) aqueous environmental samples and one trip blank (TRIP BLANK). No field duplicate pairs were included within this SDG.

All samples were analyzed for volatile organic compounds (VOCs). All samples except TRIP BLANK were analyzed for polycyclic aromatic hydrocarbons (PAHs) and total petroleum Hydrocarbons (TPH). The samples were collected by Tetra Tech NUS on December 13, 2007 and analyzed by Accutest laboratories under Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria. VOC analyses were conducted using SW-846 method 8260B. PAH analyses were conducted using SW-846 method 8270C by SIM. TPH analyses were conducted by method Florida-PRO

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Initial / Continuing Calibration Verification Results
• Laboratory Method/Preparation Blank Analyses
• Detection Limits

* - All quality control criteria were met for this parameter.

VOAs

The following contaminants were detected in the laboratory method/preparation/trip blanks at the following maximum concentrations:

Analyte	Maximum Concentration	Action Level
1,3-dichlorobenzene	0.31 ug/L	1.55 ug/L
1,2-dichlorobenzene	0.24 ug/L	1.2 ug/L
1,4-dichlorobenzene	0.34 ug/L	1.7 ug/L
Methylene chloride[1]	3.1 ug/L	31 ug/L

[1] Maximum concentration present in a trip blank.

An action level of 5X (10X for common laboratory contaminants) the maximum contaminant level has been used to evaluate sample data for blank contamination. Sample aliquot and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. No validation actions were warranted as a result of blank contamination.

Notes

Positive results less than the reporting limit (RL) were qualified as estimated ,"J", due to uncertainty near the detection limit.

The method detection limits for several compounds exceeded the limits specified in the laboratory scope of work.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", Oct 1999 and the DOD document entitled "Quality System Manual (QSM) for Environmental Laboratories" (Jan 2006).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DOD QSM."

Terri L Solomon

Tetra Tech NUS
Terri L. Solomon
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS-GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O - Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DOT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW05R-1207
samp_date	12/13/2007
lab_id	F54581-8
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.21	U	
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	BRN-1120-MW05R-1207
samp_date	12/13/2007
lab_id	F54581-8
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	BRN-1120-MW07-1207
samp_date	12/13/2007
lab_id	F54581-7
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.58	J	P
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW07-1207
samp_date	12/13/2007
lab_id	F54581-7
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	BRN-1120-MW16R-1207
samp_date	12/13/2007
lab_id	F54581-9
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.39	J	P
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	BRN-1120-MW16R-1207
samp_date	12/13/2007
lab_id	F54581-9
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW24-1207
samp_date	12/13/2007
lab_id	F54581-10
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	1.6		
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	BRN-1120-MW24-1207
samp_date	12/13/2007
lab_id	F54581-10
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	BRN-1120-MW25-1207
samp_date	12/13/2007
lab_id	F54581-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.26	J	P
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW25-1207
samp_date	12/13/2007
lab_id	F54581-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	BRN-1120-MW27-1207
samp_date	12/13/2007
lab_id	F54581-11
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	3.3		
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	BRN-1120-MW27-1207
samp_date	12/13/2007
lab_id	F54581-11
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW36-1207
samp_date	12/13/2007
lab_id	F54581-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	3.5		
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	BRN-1120-MW36-1207
samp_date	12/13/2007
lab_id	F54581-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	BRN-1120-MW37-1207
samp_date	12/13/2007
lab_id	F54581-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	25.5		
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW37-1207
samp_date	12/13/2007
lab_id	F54581-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	BRN-1120-MW38-1207
samp_date	12/13/2007
lab_id	F54581-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.21	U	
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	BRN-1120-MW38-1207
samp_date	12/13/2007
lab_id	F54581-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW39-1207
samp_date	12/13/2007
lab_id	F54581-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.21	U	
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	BRN-1120-MW39-1207
samp_date	12/13/2007
lab_id	F54581-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	BRN-1120-MW40-1207
samp_date	12/13/2007
lab_id	F54581-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.47	J	P
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	1	U	
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: OV

nsample	BRN-1120-MW40-1207
samp_date	12/13/2007
lab_id	F54581-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

nsample	TRIP BLANK-F54581
samp_date	12/13/2007
lab_id	F54581-12
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	0.29	U	
1,1,2,2-TETRACHLOROETHANE	0.37	U	
1,1,2-TRICHLOROETHANE	0.3	U	
1,1-DICHLOROETHANE	0.25	U	
1,1-DICHLOROETHENE	0.23	U	
1,2-DIBROMOETHANE	0.2	U	
1,2-DICHLOROBENZENE	0.2	U	
1,2-DICHLOROETHANE	0.2	U	
1,2-DICHLOROPROPANE	0.25	U	
1,3-DICHLOROBENZENE	0.23	U	
1,4-DICHLOROBENZENE	0.22	U	
2-CHLOROETHYL VINYL ETHER	1.2	U	
BENZENE	0.2	U	
BROMODICHLOROMETHANE	0.29	U	
BROMOFORM	0.28	U	
BROMOMETHANE	0.54	U	
CARBON TETRACHLORIDE	0.29	U	
CHLOROBENZENE	0.2	U	
CHLORODIBROMOMETHANE	0.2	U	
CHLOROETHANE	0.46	U	
CHLOROFORM	0.21	U	
CHLOROMETHANE	0.38	U	
CIS-1,2-DICHLOROETHENE	0.28	U	
CIS-1,3-DICHLOROPROPENE	0.24	U	
ETHYLBENZENE	0.2	U	
METHYL TERT-BUTYL ETHER	0.25	U	
METHYLENE CHLORIDE	3.1	J	P
TETRACHLOROETHENE	0.25	U	
TOLUENE	0.27	U	
TOTAL XYLENES	0.56	U	
TRANS-1,2-DICHLOROETHENE	0.2	U	
TRANS-1,3-DICHLOROPROPENE	0.21	U	

nsample	TRIP BLANK-F54581
samp_date	12/13/2007
lab_id	F54581-12
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TRICHLOROETHENE	0.38	U	
VINYL CHLORIDE	0.34	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: PAH

nsample	BRN-1120-MW05R-1207	nsample	BRN-1120-MW07-1207	nsample	BRN-1120-MW16R-1207
samp_date	12/13/2007	samp_date	12/13/2007	samp_date	12/13/2007
lab_id	F54581-8	lab_id	F54581-7	lab_id	F54581-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.25	U	
2-METHYLNAPHTHALENE	0.25	U	
ACENAPHTHENE	0.5	U	
ACENAPHTHYLENE	0.5	U	
ANTHRACENE	0.5	U	
BENZO(A)ANTHRACENE	0.05	U	
BENZO(A)PYRENE	0.1	U	
BENZO(B)FLUORANTHENE	0.05	U	
BENZO(G,H,I)PERYLENE	0.1	U	
BENZO(K)FLUORANTHENE	0.1	U	
CHRYSENE	0.1	U	
DIBENZO(A,H)ANTHRACENE	0.05	U	
FLUORANTHENE	0.25	U	
FLUORENE	0.25	U	
INDENO(1,2,3-CD)PYRENE	0.05	U	
NAPHTHALENE	0.25	U	
PHENANTHRENE	0.5	U	
PYRENE	0.25	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.24	U	
2-METHYLNAPHTHALENE	0.24	U	
ACENAPHTHENE	0.49	U	
ACENAPHTHYLENE	0.49	U	
ANTHRACENE	0.49	U	
BENZO(A)ANTHRACENE	0.049	U	
BENZO(A)PYRENE	0.097	U	
BENZO(B)FLUORANTHENE	0.049	U	
BENZO(G,H,I)PERYLENE	0.097	U	
BENZO(K)FLUORANTHENE	0.097	U	
CHRYSENE	0.097	U	
DIBENZO(A,H)ANTHRACENE	0.049	U	
FLUORANTHENE	0.24	U	
FLUORENE	0.24	U	
INDENO(1,2,3-CD)PYRENE	0.049	U	
NAPHTHALENE	0.24	U	
PHENANTHRENE	0.49	U	
PYRENE	0.24	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.34	J	P
2-METHYLNAPHTHALENE	0.43	J	P
ACENAPHTHENE	0.5	U	
ACENAPHTHYLENE	0.5	U	
ANTHRACENE	0.5	U	
BENZO(A)ANTHRACENE	0.05	U	
BENZO(A)PYRENE	0.1	U	
BENZO(B)FLUORANTHENE	0.05	U	
BENZO(G,H,I)PERYLENE	0.1	U	
BENZO(K)FLUORANTHENE	0.1	U	
CHRYSENE	0.1	U	
DIBENZO(A,H)ANTHRACENE	0.05	U	
FLUORANTHENE	0.25	U	
FLUORENE	0.25	U	
INDENO(1,2,3-CD)PYRENE	0.05	U	
NAPHTHALENE	0.25	U	
PHENANTHRENE	0.5	U	
PYRENE	0.25	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: PAH

nsample	BRN-1120-MW24-1207	nsample	BRN-1120-MW25-1207	nsample	BRN-1120-MW27-1207
samp_date	12/13/2007	samp_date	12/13/2007	samp_date	12/13/2007
lab_id	F54581-10	lab_id	F54581-6	lab_id	F54581-11
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.25	J	P
2-METHYLNAPHTHALENE	0.65	J	P
ACENAPHTHENE	0.49	U	
ACENAPHTHYLENE	0.49	U	
ANTHRACENE	0.49	U	
BENZO(A)ANTHRACENE	0.049	U	
BENZO(A)PYRENE	0.097	U	
BENZO(B)FLUORANTHENE	0.049	U	
BENZO(G,H,I)PERYLENE	0.097	U	
BENZO(K)FLUORANTHENE	0.097	U	
CHRYSENE	0.097	U	
DIBENZO(A,H)ANTHRACENE	0.049	U	
FLUORANTHENE	0.24	U	
FLUORENE	0.24	U	
INDENO(1,2,3-CD)PYRENE	0.049	U	
NAPHTHALENE	0.24	U	
PHENANTHRENE	0.49	U	
PYRENE	0.24	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.25	U	
2-METHYLNAPHTHALENE	0.25	U	
ACENAPHTHENE	0.5	U	
ACENAPHTHYLENE	0.5	U	
ANTHRACENE	0.5	U	
BENZO(A)ANTHRACENE	0.05	U	
BENZO(A)PYRENE	0.1	U	
BENZO(B)FLUORANTHENE	0.05	U	
BENZO(G,H,I)PERYLENE	0.1	U	
BENZO(K)FLUORANTHENE	0.1	U	
CHRYSENE	0.1	U	
DIBENZO(A,H)ANTHRACENE	0.05	U	
FLUORANTHENE	0.25	U	
FLUORENE	0.25	U	
INDENO(1,2,3-CD)PYRENE	0.05	U	
NAPHTHALENE	0.25	U	
PHENANTHRENE	0.5	U	
PYRENE	0.25	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.25	U	
2-METHYLNAPHTHALENE	0.25	U	
ACENAPHTHENE	0.5	U	
ACENAPHTHYLENE	0.5	U	
ANTHRACENE	0.5	U	
BENZO(A)ANTHRACENE	0.05	U	
BENZO(A)PYRENE	0.1	U	
BENZO(B)FLUORANTHENE	0.05	U	
BENZO(G,H,I)PERYLENE	0.1	U	
BENZO(K)FLUORANTHENE	0.1	U	
CHRYSENE	0.1	U	
DIBENZO(A,H)ANTHRACENE	0.05	U	
FLUORANTHENE	0.25	U	
FLUORENE	0.25	U	
INDENO(1,2,3-CD)PYRENE	0.05	U	
NAPHTHALENE	0.25	U	
PHENANTHRENE	0.5	U	
PYRENE	0.25	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: PAH

nsample	BRN-1120-MW36-1207	nsample	BRN-1120-MW37-1207	nsample	BRN-1120-MW38-1207
samp_date	12/13/2007	samp_date	12/13/2007	samp_date	12/13/2007
lab_id	F54581-1	lab_id	F54581-2	lab_id	F54581-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.25	U	
2-METHYLNAPHTHALENE	0.25	U	
ACENAPHTHENE	0.5	U	
ACENAPHTHYLENE	0.5	U	
ANTHRACENE	0.5	U	
BENZO(A)ANTHRACENE	0.05	U	
BENZO(A)PYRENE	0.1	U	
BENZO(B)FLUORANTHENE	0.05	U	
BENZO(G,H,I)PERYLENE	0.1	U	
BENZO(K)FLUORANTHENE	0.1	U	
CHRYSENE	0.1	U	
DIBENZO(A,H)ANTHRACENE	0.05	U	
FLUORANTHENE	0.25	U	
FLUORENE	0.25	U	
INDENO(1,2,3-CD)PYRENE	0.05	U	
NAPHTHALENE	0.25	U	
PHENANTHRENE	0.5	U	
PYRENE	0.25	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.24	U	
2-METHYLNAPHTHALENE	0.24	U	
ACENAPHTHENE	0.48	U	
ACENAPHTHYLENE	0.48	U	
ANTHRACENE	0.48	U	
BENZO(A)ANTHRACENE	0.048	U	
BENZO(A)PYRENE	0.096	U	
BENZO(B)FLUORANTHENE	0.048	U	
BENZO(G,H,I)PERYLENE	0.096	U	
BENZO(K)FLUORANTHENE	0.096	U	
CHRYSENE	0.096	U	
DIBENZO(A,H)ANTHRACENE	0.048	U	
FLUORANTHENE	0.24	U	
FLUORENE	0.24	U	
INDENO(1,2,3-CD)PYRENE	0.048	U	
NAPHTHALENE	0.24	U	
PHENANTHRENE	0.48	U	
PYRENE	0.24	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.24	U	
2-METHYLNAPHTHALENE	0.69	J	P
ACENAPHTHENE	0.48	U	
ACENAPHTHYLENE	0.48	U	
ANTHRACENE	0.48	U	
BENZO(A)ANTHRACENE	0.048	U	
BENZO(A)PYRENE	0.095	U	
BENZO(B)FLUORANTHENE	0.048	U	
BENZO(G,H,I)PERYLENE	0.095	U	
BENZO(K)FLUORANTHENE	0.095	U	
CHRYSENE	0.095	U	
DIBENZO(A,H)ANTHRACENE	0.048	U	
FLUORANTHENE	0.24	U	
FLUORENE	0.24	U	
INDENO(1,2,3-CD)PYRENE	0.048	U	
NAPHTHALENE	0.36	J	P
PHENANTHRENE	0.48	U	
PYRENE	0.24	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: PAH

nsample	BRN-1120-MW39-1207	nsample	BRN-1120-MW40-1207
samp_date	12/13/2007	samp_date	12/13/2007
lab_id	F54581-4	lab_id	F54581-5
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.24	U	
2-METHYLNAPHTHALENE	0.24	U	
ACENAPHTHENE	0.49	U	
ACENAPHTHYLENE	0.49	U	
ANTHRACENE	0.49	U	
BENZO(A)ANTHRACENE	0.049	U	
BENZO(A)PYRENE	0.097	U	
BENZO(B)FLUORANTHENE	0.049	U	
BENZO(G,H,I)PERYLENE	0.097	U	
BENZO(K)FLUORANTHENE	0.097	U	
CHRYSENE	0.097	U	
DIBENZO(A,H)ANTHRACENE	0.049	U	
FLUORANTHENE	0.24	U	
FLUORENE	0.24	U	
INDENO(1,2,3-CD)PYRENE	0.049	U	
NAPHTHALENE	0.24	U	
PHENANTHRENE	0.49	U	
PYRENE	0.24	U	

Parameter	Result	Val Qual	Qual Code
1-METHYLNAPHTHALENE	12.8		
2-METHYLNAPHTHALENE	17.2		
ACENAPHTHENE	0.54	J	P
ACENAPHTHYLENE	0.49	U	
ANTHRACENE	0.49	U	
BENZO(A)ANTHRACENE	0.049	U	
BENZO(A)PYRENE	0.098	U	
BENZO(B)FLUORANTHENE	0.049	U	
BENZO(G,H,I)PERYLENE	0.098	U	
BENZO(K)FLUORANTHENE	0.098	U	
CHRYSENE	0.098	U	
DIBENZO(A,H)ANTHRACENE	0.049	U	
FLUORANTHENE	0.25	U	
FLUORENE	1.5		
INDENO(1,2,3-CD)PYRENE	0.049	U	
NAPHTHALENE	0.96	J	P
PHENANTHRENE	1.1		
PYRENE	0.25	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: PET

nsample	BRN-1120-MW05R-1207	nsample	BRN-1120-MW07-1207	nsample	BRN-1120-MW16R-1207
samp_date	12/13/2007	samp_date	12/13/2007	samp_date	12/13/2007
lab_id	F54581-8	lab_id	F54581-7	lab_id	F54581-9
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/L	units	MG/L	units	MG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	1.13		

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.17	U	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.17	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: PET

nsample	BRN-1120-MW24-1207	nsample	BRN-1120-MW25-1207	nsample	BRN-1120-MW27-1207
samp_date	12/13/2007	samp_date	12/13/2007	samp_date	12/13/2007
lab_id	F54581-10	lab_id	F54581-6	lab_id	F54581-11
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/L	units	MG/L	units	MG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.206	J	P

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.17	U	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.18	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: PET

nsample	BRN-1120-MW36-1207	nsample	BRN-1120-MW37-1207	nsample	BRN-1120-MW38-1207
samp_date	12/13/2007	samp_date	12/13/2007	samp_date	12/13/2007
lab_id	F54581-1	lab_id	F54581-2	lab_id	F54581-3
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/L	units	MG/L	units	MG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.17	U	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.16	U	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.17	U	

PROJ_NO: 00705

SDG: F54581 MEDIA: WATER DATA FRACTION: PET

nsample	BRN-1120-MW39-1207	nsample	BRN-1120-MW40-1207
samp_date	12/13/2007	samp_date	12/13/2007
lab_id	F54581-4	lab_id	F54581-5
qc_type	NM	qc_type	NM
units	MG/L	units	MG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	0.17	U	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	1.41		

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

Raw Data: J035024.D

Accutest Laboratories

Report of Analysis

3.8
3

Client Sample ID:	BRN-1120-MW05R-1207		
Lab Sample ID:	F54581-8	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035024.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW05R-1207		
Lab Sample ID:	F54581-8	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW07-1207		
Lab Sample ID:	F54581-7	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035023.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.58	1.0	0.21	ug/l	I
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW07-1207		
Lab Sample ID:	F54581-7	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW16R-1207		
Lab Sample ID:	F54581-9	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035025.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.39	1.0	0.21	ug/l	I
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW16R-1207		
Lab Sample ID:	F54581-9	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW24-1207		
Lab Sample ID:	F54581-10	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035026.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	1.6	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW24-1207		
Lab Sample ID:	F54581-10	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	105%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW25-1207		
Lab Sample ID:	F54581-6	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035022.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.26	1.0	0.21	ug/l	I
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW25-1207		
Lab Sample ID:	F54581-6	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

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

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Report of Analysis

Client Sample ID:	BRN-1120-MW27-1207		
Lab Sample ID:	F54581-11	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035027.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	3.3	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW27-1207		
Lab Sample ID:	F54581-11	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	101%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

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

Raw Data: J035031.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW36-1207		
Lab Sample ID:	F54581-1	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035031.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	3.5	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW36-1207		
Lab Sample ID:	F54581-1	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	98%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

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

Raw Data: J035018.D

Accutest Laboratories

Report of Analysis

3.2 3

Client Sample ID:	BRN-1120-MW37-1207		
Lab Sample ID:	F54581-2	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035018.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	25.5	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW37-1207		
Lab Sample ID:	F54581-2	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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

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

Raw Data: J035019.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW38-1207		
Lab Sample ID:	F54581-3	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035019.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Accutest Laboratories

Report of Analysis

3.3

Client Sample ID:	BRN-1120-MW38-1207		
Lab Sample ID:	F54581-3	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW39-1207		
Lab Sample ID:	F54581-4	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035020.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Report of Analysis

Client Sample ID:	BRN-1120-MW39-1207		
Lab Sample ID:	F54581-4	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

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

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

Raw Data: J035021.D

Accutest Laboratories

Report of Analysis

3.5 3

Client Sample ID:	BRN-1120-MW40-1207		
Lab Sample ID:	F54581-5	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035021.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.47	1.0	0.21	ug/l	I
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW40-1207		
Lab Sample ID:	F54581-5	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		87-116%
17060-07-0	1,2-Dichloroethane-D4	99%		76-127%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	102%		84-120%

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

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

Raw Data: J035028.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F54581-12	Date Sampled:	12/13/07
Matrix:	AQ - Trip Blank Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J035028.D	1	12/24/07	JG	n/a	n/a	VJ2327
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.20 U	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	0.29 U	1.0	0.29	ug/l	
75-25-2	Bromoform	0.28 U	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	0.20 U	1.0	0.20	ug/l	
75-00-3	Chloroethane	0.46 U	2.0	0.46	ug/l	
67-66-3	Chloroform	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.2 U	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	0.29 U	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	0.25 U	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	0.23 U	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	0.20 U	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	0.20 U	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	0.25 U	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.28 U	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.24 U	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.20 U	1.0	0.20	ug/l	
74-83-9	Methyl bromide	0.54 U	2.0	0.54	ug/l	
74-87-3	Methyl chloride	0.38 U	2.0	0.38	ug/l	
75-09-2	Methylene chloride	3.1	5.0	1.0	ug/l	I
1634-04-4	Methyl Tert Butyl Ether	0.25 U	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	0.29 U	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.37 U	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	0.30 U	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	0.25 U	1.0	0.25	ug/l	
108-88-3	Toluene	0.27 U	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	0.38 U	1.0	0.38	ug/l	

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	F54581-12	Date Sampled:	12/13/07
Matrix:	AQ - Trip Blank Water	Date Received:	12/14/07
Method:	SW846 8260B	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	0.34 U	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	0.56 U	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		87-116%
17060-07-0	1,2-Dichloroethane-D4	100%		76-127%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW05R-1207		
Lab Sample ID:	F54581-8	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038668.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
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
83-32-9	Acenaphthene	0.50 U	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	0.50 U	1.0	0.50	ug/l	
120-12-7	Anthracene	0.50 U	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	0.050 U	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	0.10 U	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	0.050 U	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.10 U	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	0.10 U	0.20	0.10	ug/l	
218-01-9	Chrysene	0.10 U	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.050 U	0.20	0.050	ug/l	
206-44-0	Fluoranthene	0.25 U	1.0	0.25	ug/l	
86-73-7	Fluorene	0.25 U	1.0	0.25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.050 U	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-20-3	Naphthalene	0.25 U	1.0	0.25	ug/l	
85-01-8	Phenanthrene	0.50 U	1.0	0.50	ug/l	
129-00-0	Pyrene	0.25 U	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	68%		39-121%

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

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

Raw Data: W038667.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW07-1207		
Lab Sample ID:	F54581-7	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038667.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
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
83-32-9	Acenaphthene	0.49 U	0.97	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.97	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.97	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.097 U	0.19	0.097	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.097 U	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	0.097 U	0.19	0.097	ug/l	
218-01-9	Chrysene	0.097 U	0.19	0.097	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.24 U	0.97	0.24	ug/l	
86-73-7	Fluorene	0.24 U	0.97	0.24	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.97	0.24	ug/l	
85-01-8	Phenanthrene	0.49 U	0.97	0.49	ug/l	
129-00-0	Pyrene	0.24 U	0.97	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	60%		40-106%
1718-51-0	Terphenyl-d14	71%		39-121%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW16R-1207		
Lab Sample ID:	F54581-9	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038669.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
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
83-32-9	Acenaphthene	0.50 U	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	0.50 U	1.0	0.50	ug/l	
120-12-7	Anthracene	0.50 U	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	0.050 U	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	0.10 U	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	0.050 U	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.10 U	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	0.10 U	0.20	0.10	ug/l	
218-01-9	Chrysene	0.10 U	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.050 U	0.20	0.050	ug/l	
206-44-0	Fluoranthene	0.25 U	1.0	0.25	ug/l	
86-73-7	Fluorene	0.25 U	1.0	0.25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.050 U	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	0.34	1.0	0.25	ug/l	I
91-57-6	2-Methylnaphthalene	0.43	1.0	0.25	ug/l	I
91-20-3	Naphthalene	0.25 U	1.0	0.25	ug/l	
85-01-8	Phenanthrene	0.50 U	1.0	0.50	ug/l	
129-00-0	Pyrene	0.25 U	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	75%		39-121%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW24-1207		
Lab Sample ID:	F54581-10	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038670.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
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
83-32-9	Acenaphthene	0.49 U	0.97	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.97	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.97	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.097 U	0.19	0.097	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.097 U	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	0.097 U	0.19	0.097	ug/l	
218-01-9	Chrysene	0.097 U	0.19	0.097	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.24 U	0.97	0.24	ug/l	
86-73-7	Fluorene	0.24 U	0.97	0.24	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
90-12-0	1-Methylnaphthalene	0.25	0.97	0.24	ug/l	I
91-57-6	2-Methylnaphthalene	0.65	0.97	0.24	ug/l	I
91-20-3	Naphthalene	0.24 U	0.97	0.24	ug/l	
85-01-8	Phenanthrene	0.49 U	0.97	0.49	ug/l	
129-00-0	Pyrene	0.24 U	0.97	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		42-108%
321-60-8	2-Fluorobiphenyl	69%		40-106%
1718-51-0	Terphenyl-d14	80%		39-121%

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

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

Raw Data: W038666.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW25-1207		
Lab Sample ID:	F54581-6	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038666.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
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
83-32-9	Acenaphthene	0.50 U	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	0.50 U	1.0	0.50	ug/l	
120-12-7	Anthracene	0.50 U	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	0.050 U	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	0.10 U	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	0.050 U	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.10 U	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	0.10 U	0.20	0.10	ug/l	
218-01-9	Chrysene	0.10 U	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.050 U	0.20	0.050	ug/l	
206-44-0	Fluoranthene	0.25 U	1.0	0.25	ug/l	
86-73-7	Fluorene	0.25 U	1.0	0.25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.050 U	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-20-3	Naphthalene	0.25 U	1.0	0.25	ug/l	
85-01-8	Phenanthrene	0.50 U	1.0	0.50	ug/l	
129-00-0	Pyrene	0.25 U	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	77%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	74%		39-121%

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

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

ACCUTEST Laboratories F54581

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW27-1207		
Lab Sample ID:	F54581-11	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038673.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
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
83-32-9	Acenaphthene	0.50 U	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	0.50 U	1.0	0.50	ug/l	
120-12-7	Anthracene	0.50 U	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	0.050 U	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	0.10 U	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	0.050 U	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.10 U	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	0.10 U	0.20	0.10	ug/l	
218-01-9	Chrysene	0.10 U	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.050 U	0.20	0.050	ug/l	
206-44-0	Fluoranthene	0.25 U	1.0	0.25	ug/l	
86-73-7	Fluorene	0.25 U	1.0	0.25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.050 U	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-20-3	Naphthalene	0.25 U	1.0	0.25	ug/l	
85-01-8	Phenanthrene	0.50 U	1.0	0.50	ug/l	
129-00-0	Pyrene	0.25 U	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		42-108%
321-60-8	2-Fluorobiphenyl	65%		40-106%
1718-51-0	Terphenyl-d14	80%		39-121%

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

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

Raw Data: W038661.D

Accutest Laboratories

Report of Analysis

3.1 3

Client Sample ID:	BRN-1120-MW36-1207		
Lab Sample ID:	F54581-1	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038661.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
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
83-32-9	Acenaphthene	0.50 U	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	0.50 U	1.0	0.50	ug/l	
120-12-7	Anthracene	0.50 U	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	0.050 U	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	0.10 U	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	0.050 U	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.10 U	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	0.10 U	0.20	0.10	ug/l	
218-01-9	Chrysene	0.10 U	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.050 U	0.20	0.050	ug/l	
206-44-0	Fluoranthene	0.25 U	1.0	0.25	ug/l	
86-73-7	Fluorene	0.25 U	1.0	0.25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.050 U	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	0.25 U	1.0	0.25	ug/l	
91-20-3	Naphthalene	0.25 U	1.0	0.25	ug/l	
85-01-8	Phenanthrene	0.50 U	1.0	0.50	ug/l	
129-00-0	Pyrene	0.25 U	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	67%		40-106%
1718-51-0	Terphenyl-d14	77%		39-121%

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

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

Raw Data: W038662.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW37-1207		
Lab Sample ID:	F54581-2	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038662.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.96	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.96	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.96	0.48	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.096 U	0.19	0.096	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.096 U	0.19	0.096	ug/l	
207-08-9	Benzo(k)fluoranthene	0.096 U	0.19	0.096	ug/l	
218-01-9	Chrysene	0.096 U	0.19	0.096	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.96	0.24	ug/l	
86-73-7	Fluorene	0.24 U	0.96	0.24	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.96	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.96	0.24	ug/l	
85-01-8	Phenanthrene	0.48 U	0.96	0.48	ug/l	
129-00-0	Pyrene	0.24 U	0.96	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		42-108%
321-60-8	2-Fluorobiphenyl	68%		40-106%
1718-51-0	Terphenyl-d14	74%		39-121%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW38-1207		
Lab Sample ID:	F54581-3	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038663.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.48 U	0.95	0.48	ug/l	
208-96-8	Acenaphthylene	0.48 U	0.95	0.48	ug/l	
120-12-7	Anthracene	0.48 U	0.95	0.48	ug/l	
56-55-3	Benzo(a)anthracene	0.048 U	0.19	0.048	ug/l	
50-32-8	Benzo(a)pyrene	0.095 U	0.19	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	0.048 U	0.19	0.048	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.095 U	0.19	0.095	ug/l	
207-08-9	Benzo(k)fluoranthene	0.095 U	0.19	0.095	ug/l	
218-01-9	Chrysene	0.095 U	0.19	0.095	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.048 U	0.19	0.048	ug/l	
206-44-0	Fluoranthene	0.24 U	0.95	0.24	ug/l	
86-73-7	Fluorene	0.24 U	0.95	0.24	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.048 U	0.19	0.048	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.95	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.69	0.95	0.24	ug/l	I
91-20-3	Naphthalene	0.36	0.95	0.24	ug/l	I
85-01-8	Phenanthrene	0.48 U	0.95	0.48	ug/l	
129-00-0	Pyrene	0.24 U	0.95	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	74%		42-108%
321-60-8	2-Fluorobiphenyl	70%		40-106%
1718-51-0	Terphenyl-d14	78%		39-121%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW39-1207		
Lab Sample ID:	F54581-4	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038664.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
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
83-32-9	Acenaphthene	0.49 U	0.97	0.49	ug/l	
208-96-8	Acenaphthylene	0.49 U	0.97	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.97	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.19	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.097 U	0.19	0.097	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.19	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.097 U	0.19	0.097	ug/l	
207-08-9	Benzo(k)fluoranthene	0.097 U	0.19	0.097	ug/l	
218-01-9	Chrysene	0.097 U	0.19	0.097	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.19	0.049	ug/l	
206-44-0	Fluoranthene	0.24 U	0.97	0.24	ug/l	
86-73-7	Fluorene	0.24 U	0.97	0.24	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.19	0.049	ug/l	
90-12-0	1-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-57-6	2-Methylnaphthalene	0.24 U	0.97	0.24	ug/l	
91-20-3	Naphthalene	0.24 U	0.97	0.24	ug/l	
85-01-8	Phenanthrene	0.49 U	0.97	0.49	ug/l	
129-00-0	Pyrene	0.24 U	0.97	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	83%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	79%		39-121%

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

Raw Data: W038665.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW40-1207		
Lab Sample ID:	F54581-5	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	SW846 8270C BY SIM SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W038665.D	1	12/19/07	RB	12/18/07	OP23536	SW1978
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.54	0.98	0.49	ug/l	I
208-96-8	Acenaphthylene	0.49 U	0.98	0.49	ug/l	
120-12-7	Anthracene	0.49 U	0.98	0.49	ug/l	
56-55-3	Benzo(a)anthracene	0.049 U	0.20	0.049	ug/l	
50-32-8	Benzo(a)pyrene	0.098 U	0.20	0.098	ug/l	
205-99-2	Benzo(b)fluoranthene	0.049 U	0.20	0.049	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.098 U	0.20	0.098	ug/l	
207-08-9	Benzo(k)fluoranthene	0.098 U	0.20	0.098	ug/l	
218-01-9	Chrysene	0.098 U	0.20	0.098	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.049 U	0.20	0.049	ug/l	
206-44-0	Fluoranthene	0.25 U	0.98	0.25	ug/l	
86-73-7	Fluorene	1.5	0.98	0.25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.049 U	0.20	0.049	ug/l	
90-12-0	1-Methylnaphthalene	12.8	0.98	0.25	ug/l	
91-57-6	2-Methylnaphthalene	17.2	0.98	0.25	ug/l	
91-20-3	Naphthalene	0.96	0.98	0.25	ug/l	I
85-01-8	Phenanthrene	1.1	0.98	0.49	ug/l	
129-00-0	Pyrene	0.25 U	0.98	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		42-108%
321-60-8	2-Fluorobiphenyl	61%		40-106%
1718-51-0	Terphenyl-d14	67%		39-121%

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

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW05R-1207		
Lab Sample ID:	F54581-8	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP78315.D	1	12/19/07	KL	12/18/07	OP23531	GOP2027
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	1.13	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	58%		38-122%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW07-1207		
Lab Sample ID:	F54581-7	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ44548.D	1	12/19/07	KL	12/17/07	OP23516	GIJ1702
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.24	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		38-122%

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

Raw Data: OP78304.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW16R-1207		
Lab Sample ID:	F54581-9	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP78304.D	1	12/18/07	KL	12/18/07	OP23531	GOP2027
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		38-122%

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

Raw Data: OP78305.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW24-1207		
Lab Sample ID:	F54581-10	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP78305.D	1	12/18/07	KL	12/18/07	OP23531	GOP2027
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.206	0.25	0.17	mg/l	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		38-122%

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

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW25-1207		
Lab Sample ID:	F54581-6	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ44547.D	1	12/19/07	KL	12/17/07	OP23516	GIJ1702
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		38-122%

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

Raw Data: OP78306.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW27-1207		
Lab Sample ID:	F54581-11	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP78306.D	1	12/18/07	KL	12/18/07	OP23531	GOP2027
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.18 U	0.26	0.18	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	83%		38-122%

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

Raw Data: IJ44540.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW36-1207		
Lab Sample ID:	F54581-1	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ44540.D	1	12/18/07	KL	12/17/07	OP23516	GIJ1702
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		38-122%

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

Raw Data: IJ44541.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW37-1207		
Lab Sample ID:	F54581-2	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ44541.D	1	12/18/07	KL	12/17/07	OP23516	GIJ1702
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	86%		38-122%

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

Raw Data: IJ44544.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW38-1207		
Lab Sample ID:	F54581-3	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ44544.D	1	12/19/07	KL	12/17/07	OP23516	GIJ1702
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		38-122%

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

Raw Data: IJ44545.D

Accutest Laboratories

Report of Analysis

Client Sample ID:	BRN-1120-MW39-1207		
Lab Sample ID:	F54581-4	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ44545.D	1	12/19/07	KL	12/17/07	OP23516	GIJ1702
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.17 U	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	81%		38-122%

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

Raw Data: IJ44546.D

Accutest Laboratories

Report of Analysis

3.5 3

Client Sample ID:	BRN-1120-MW40-1207		
Lab Sample ID:	F54581-5	Date Sampled:	12/13/07
Matrix:	AQ - Ground Water	Date Received:	12/14/07
Method:	FLORIDA-PRO SW846 3510C	Percent Solids:	n/a
Project:	NAS Pensacola (CTO# 225)Site 1120 OLF Bronson		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ44546.D	1	12/19/07	KL	12/17/07	OP23516	GIJ1702
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	1.41	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		38-122%

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

APPENDIX C
SUPPORT DOCUMENTATION

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Tetra-Tech NUS **Job No:** F54581

Site: NAS Pensacola (CTO# 225) Site 1120 OLF Bronson **Report Date:** 12/31/2007 3:19:09

11 Samples and 1 Trip Blank were collected on 12/13/2007 and were received at Accutest on 12/14/2007 properly preserved, at 1 Deg. C and intact. These Samples received an Accutest job number of F54581. 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:** VJ2327

All samples were analyzed within the recommended method holding time.

Samples F54545-11MS, F54545-11MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike and Matrix Spike Duplicate Recoverys for 2-Chloroethyl vinyl ether are outside control limits. Probable cause: due to matrix interference.

RPD for MSD for 2-Chloroethyl vinyl ether is outside control limits for sample F54545-11MSD. Probable cause due to sample non-homogeneity.

Extractables by GCMS by Method SW846 8270C BY SIM

Matrix: AQ **Batch ID:** OP23536

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 F54581-10MS, F54581-10MSD were used as the QC samples indicated.

Extractables by GC by Method FLORIDA-PRO

Matrix: AQ **Batch ID:** OP23516

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 F54532-8MS, F54532-8MSD were used as the QC samples indicated.

Matrix Spike Recovery for TPH (C8-C40) is outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: AQ **Batch ID:** OP23531

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 F54602-3MS, F54602-3MSD were used as the QC samples indicated.

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

Narrative prepared by:

Date: December 31, 2007

Ellen Pampel, Inorganic QA (signature on file)

Monday, December 31, 2007

ACCUTEST Laboratories

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: F54581
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Kelly Carper
ADDRESS: 601 Anderson Drive
CITY, STATE, ZIP: Pittsburgh, PA 15220
SEND REPORT TO:
PHONE #: (412) 921-7090

FACILITY INFORMATION

PROJECT NAME: site 1120 Treatability Study
LOCATION: DEF Brosson Pensacola, FL
PROJECT NO.: 112600705
(850) 385-9860
FAX #:

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION MeOH	PRESERVATION HNO3	PRESERVATION NaOH	PRESERVATION NONE	VOC	TRPH	PAH	LAB USE ONLY
1	BRN-1120-MW36-1207 ✓	12/12/07	1135	Cadm	GW	7	3			2	2	3	2	2	
2	BRN-1120-MW37-1207 ✓	12/12/07	1144	MP	GW	7	3			2	2	3	2	2	
3	BRN-1120-MW38-1207 ✓	12/12/07	1409	MP	GW	7	3			2	2	3	2	2	
4	BRN-1120-MW39-1207 ✓	12/12/07	1318	MP	GW	7	3			2	2	3	2	2	
5	BRN-1120-MW40-1207 ✓	12/12/07	1532	Cadm	GW	7	3			2	2	3	2	2	
6	BRN-1120-MW25-1207 ✓	12/12/07	1300	Cadm	GW	7	3			2	2	3	2	2	
7	BRN-1120-MW07-1207 ✓	12/13/07	1410	Cadm	GW	7	3			2	2	3	2	2	
8	BRN-1120-MW05R-1207 ✓	12/13/07	1450	Cadm	GW	7	3			2	2	3	2	2	
9	BRN-1120-MW16R-1207 ✓	12/13/07	1602	Cadm	GW	7	3			2	2	3	2	2	
10	BRN-1120-MW24-1207 ✓	12/13/07	1615	Cadm	GW	7	3			2	2	3	2	2	
11	BRN-1120-MW27-1207 ✓	12/13/07	1640	Cadm	GW	7	3			2	2	3	2	2	

DATA TURNAROUND INFORMATION

☑ STANDARD
☐ 48 HOUR RUSH
☐ 24 HOUR EMERGENCY
☐ OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☑ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☐ OTHER (SPECIFY)

COMMENTS/REMARKS

Trip blank included. Analyze for VOCs only

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. [signature]	12/7/07 1600	1. FX	2. FX	12-14-07	2. J. Bergel 09:00
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE ____ C

1.4 1.6 3.0 3.4 2.8 1.0

4.1 4

F54581: Chain of Custody
Page 1 of 2

HOLDTIME

SDG F54581

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	BRN-1120-MW37-1207	F54581-2	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	BRN-1120-MW05R-1207	F54581-8	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	TRIP BLANK-F54581	F54581-12	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	BRN-1120-MW40-1207	F54581-5	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	BRN-1120-MW38-1207	F54581-3	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	BRN-1120-MW36-1207	F54581-1	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	BRN-1120-MW27-1207	F54581-11	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	BRN-1120-MW25-1207	F54581-6	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	BRN-1120-MW24-1207	F54581-10	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	BRN-1120-MW16R-1207	F54581-9	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	BRN-1120-MW07-1207	F54581-7	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
OV	UG/L	BRN-1120-MW39-1207	F54581-4	NM	12/13/2007	12/24/2007	12/24/2007	11	0	11
SIM	UG/L	BRN-1120-MW27-1207	F54581-11	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6
SIM	UG/L	BRN-1120-MW25-1207	F54581-6	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6
SIM	UG/L	BRN-1120-MW05R-1207	F54581-8	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
SIM	UG/L	BRN-1120-MW07-1207	F54581-7	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6
SIM	UG/L	BRN-1120-MW16R-1207	F54581-9	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6
SIM	UG/L	BRN-1120-MW36-1207	F54581-1	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6
SIM	UG/L	BRN-1120-MW37-1207	F54581-2	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6
SIM	UG/L	BRN-1120-MW38-1207	F54581-3	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6
SIM	UG/L	BRN-1120-MW39-1207	F54581-4	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6
SIM	UG/L	BRN-1120-MW40-1207	F54581-5	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6
SIM	UG/L	BRN-1120-MW24-1207	F54581-10	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6
TPH	MG/L	BRN-1120-MW07-1207	F54581-7	NM	12/13/2007	12/17/2007	12/19/2007	4	2	6
TPH	MG/L	BRN-1120-MW39-1207	F54581-4	NM	12/13/2007	12/17/2007	12/19/2007	4	2	6
TPH	MG/L	BRN-1120-MW38-1207	F54581-3	NM	12/13/2007	12/17/2007	12/19/2007	4	2	6
TPH	MG/L	BRN-1120-MW37-1207	F54581-2	NM	12/13/2007	12/17/2007	12/18/2007	4	1	5
TPH	MG/L	BRN-1120-MW36-1207	F54581-1	NM	12/13/2007	12/17/2007	12/18/2007	4	1	5
TPH	MG/L	BRN-1120-MW27-1207	F54581-11	NM	12/13/2007	12/18/2007	12/18/2007	5	0	5
TPH	MG/L	BRN-1120-MW25-1207	F54581-6	NM	12/13/2007	12/17/2007	12/19/2007	4	2	6
TPH	MG/L	BRN-1120-MW16R-1207	F54581-9	NM	12/13/2007	12/18/2007	12/18/2007	5	0	5
TPH	MG/L	BRN-1120-MW40-1207	F54581-5	NM	12/13/2007	12/17/2007	12/19/2007	4	2	6
TPH	MG/L	BRN-1120-MW05R-1207	F54581-8	NM	12/13/2007	12/18/2007	12/19/2007	5	1	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TPH	MG/L	BRN-1120-MW24-1207	F54581-10	NM	12/13/2007	12/18/2007	12/18/2007	5	0	5

ATTACHMENT A
Required Target Compound Lists

CAS	Parameter	62-777 Minimum Groundwater criteria (ug/L)	62-777 Minimum Criteria for Soil (ug/kg)
PAHs			
90-12-0	1-METHYLNAPHTHALENE	28	3100
91-57-6	2-METHYLNAPHTHALENE	28	8500
83-32-9	ACENAPHTHENE	3	300
208-96-8	ACENAPHTHYLENE	0.031	700
120-12-7	ANTHRACENE	0.3	400
56-55-3	BENZO(A)ANTHRACENE	0.031	700
50-32-8	BENZO(A)PYRENE	0.031	100
205-99-2	BENZO(B)FLUORANTHENE	0.031	1600
191-24-2	BENZO(G,H,I)PERYLENE	0.031	4800
207-08-9	BENZO(K)FLUORANTHENE	0.031	1600
218-01-9	CHRYSENE	0.031	77000
53-70-3	DIBENZO(A,H)ANTHRACENE	0.005	700
206-44-0	FLUORANTHENE	0.3	1300
86-73-7	FLUORENE	30	17000
193-39-5	INDENO(1,2,3-CD)PYRENE	0.031	NA
91-20-3	NAPHTHALENE	14	1200
85-01-8	PHENANTHRENE	0.031	NA
129-00-0	PYRENE	0.3	1300

CAS	Parameter	62-777 Minimum Groundwater criteria (ug/L)	62-777 Minimum Criteria for Soil (ug/kg)
PPL VOHs			
71-55-6	1,1,1-TRICHLOROETHANE	200	1900
79-34-5	1,1,2,2-TETRACHLOROETHANE	0.2	1
79-00-5	1,1,2-TRICHLOROETHANE	5	30
75-34-3	1,1-DICHLOROETHANE	70	400
75-35-4	1,1-DICHLOROETHENE	3.2	30
95-50-1	1,2-DICHLOROBENZENE	99	2800
107-06-2	1,2-DICHLOROETHANE	3	10
78-87-5	1,2-DICHLOROPROPANE	5	30
541-73-1	1,3-DICHLOROBENZENE	85	2800
106-46-7	1,4-DICHLOROBENZENE	3	90
75-27-4	BROMODICHLOROMETHANE	0.6	4
75-25-2	BROMOFORM	4.4	30
74-83-9	BROMOMETHANE	9.8	50
56-23-5	CARBON TETRACHLORIDE	3	40
108-90-7	CHLOROBENZENE	17	200
124-48-1	CHLORODIBROMOMETHANE	0.4	3
75-00-3	CHLOROETHANE	12	60
67-66-3	CHLOROFORM	70	400
74-87-3	CHLOROMETHANE	2.7	10
156-59-2	CIS-1,2-DICHLOROETHENE	70	400
10061-01-5	CIS-1,3-DICHLOROPROPENE	NA	NA
75-71-8	DICHLORODIFLUOROMETHANE	1400	44000
75-09-2	METHYLENE CHLORIDE	5	20
127-18-4	TETRACHLOROETHENE	3	30
156-60-5	TRANS-1,2-DICHLOROETHENE	100	700
10061-02-6	TRANS-1,3-DICHLOROPROPENE	NA	NA
79-01-6	TRICHLOROETHENE	3	30
75-69-4	TRICHLOROFLUOROMETHANE	2100	33000
	2-CHLOROETHYLVINYL ETHER	NA	NA
120-82-1	1,2,4-TRICHLOROBENZENE	23	1700
75-01-4	VINYL CHLORIDE	1	7
BTEX&MTBE			
71-43-2	BENZENE	1	7
100-41-4	ETHYLBENZENE	30	600
	XYLENES	370	200
1634-04-4	METHYL TERT-BUTYL ETHER	20	90
108-88-3	TOLUENE	40	500

Petroleum Range Organics	µg/L	mg/kg
Total Residual Petroleum Hydrocarbons	5000	340

Raw Data: J035002.D

Instrument Performance Check (BFB)

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	VJ2327-BFB	Injection Date:	12/24/07
Lab File ID:	J035002.D	Injection Time:	10:25
Instrument ID:	GCMSJ		

5.4 5

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	28992	24.2		Pass
75	30.0 - 60.0% of mass 95	57424	48.0		Pass
95	Base peak, 100% relative abundance	119733	100.0		Pass
96	5.0 - 9.0% of mass 95	8132	6.8		Pass
173	Less than 2.0% of mass 174	357	0.3	(0.35) [a]	Pass
174	50.0 - 100.0% of mass 95	100810	84.2		Pass
175	5.0 - 9.0% of mass 174	7419	6.2	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	97330	81.3	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	5896	4.9	(6.1) [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
VJ2327-IC2327	J035004.D	12/24/07	11:05	00:40	Initial cal 1
VJ2327-IC2327	J035005.D	12/24/07	11:29	01:04	Initial cal 2
VJ2327-IC2327	J035006.D	12/24/07	11:54	01:29	Initial cal 3
VJ2327-ICC2327	J035007.D	12/24/07	12:18	01:53	Initial cal 4
VJ2327-IC2327	J035008.D	12/24/07	12:42	02:17	Initial cal 5
VJ2327-IC2327	J035009.D	12/24/07	13:07	02:42	Initial cal 6
VJ2327-ICV2327	J035010.D	12/24/07	13:31	03:06	Initial cal verification 4
VJ2327-BS	J035011.D	12/24/07	13:58	03:33	Blank Spike
VJ2327-MB	J035012.D	12/24/07	14:22	03:57	Method Blank
F54545-11	J035013.D	12/24/07	14:47	04:22	(used for QC only; not part of job F54581)
F54545-11MS	J035014.D	12/24/07	15:10	04:45	Matrix Spike
F54545-11MSD	J035015.D	12/24/07	15:35	05:10	Matrix Spike Duplicate
ZZZZZZ	J035016.D	12/24/07	15:59	05:34	(unrelated sample)
ZZZZZZ	J035017.D	12/24/07	16:23	05:58	(unrelated sample)
F54581-2	J035018.D	12/24/07	16:47	06:22	BRN-1120-MW37-1207
F54581-3	J035019.D	12/24/07	17:11	06:46	BRN-1120-MW38-1207
F54581-4	J035020.D	12/24/07	17:35	07:10	BRN-1120-MW39-1207
F54581-5	J035021.D	12/24/07	18:00	07:35	BRN-1120-MW40-1207
F54581-6	J035022.D	12/24/07	18:24	07:59	BRN-1120-MW25-1207
F54581-7	J035023.D	12/24/07	18:48	08:23	BRN-1120-MW07-1207
F54581-8	J035024.D	12/24/07	19:13	08:48	BRN-1120-MW05R-1207
F54581-9	J035025.D	12/24/07	19:37	09:12	BRN-1120-MW16R-1207
F54581-10	J035026.D	12/24/07	20:01	09:36	BRN-1120-MW24-1207
F54581-11	J035027.D	12/24/07	20:26	10:01	BRN-1120-MW27-1207

Instrument Performance Check (BFB)

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	VJ2327-BFB	Injection Date:	12/24/07
Lab File ID:	J035002.D	Injection Time:	10:25
Instrument ID:	GCMSJ		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
F54581-12	J035028.D	12/24/07	20:50	10:25	TRIP BLANK
ZZZZZZ	J035029.D	12/24/07	21:14	10:49	(unrelated sample)
F54581-1	J035031.D	12/24/07	22:02	11:37	BRN-1120-MW36-1207

Initial Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: VJ2327-ICC2327
Lab FileID: J035007.D

Response Factor Report MSVOA6

Method : C:\MSDCHEM\1\METHODS\8260-J.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Wed Dec 26 10:17:35 2007
Response via : Initial Calibration

Calibration Files
1 =J035004.D 2 =J035005.D 3 =J035006.D 4 =J035007.D
5 =J035008.D 6 =J035009.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------							
2)		Dichlorodifluoromet	0.156	0.152	0.211	0.202	0.201	0.187	0.185	13.67
3)	P	Chloromethane	0.406	0.388	0.428	0.393	0.377	0.340	0.389	7.58
4)	C	Vinyl Chloride	0.264	0.249	0.321	0.298	0.288	0.262	0.280	9.55
5)		Bromomethane	0.178	0.172	0.195	0.174	0.161	0.140	0.170	10.69
6)		Chloroethane	0.155	0.151	0.177	0.168	0.154	0.138	0.157	8.82
7)		Trichlorofluorometh	0.269	0.235	0.306	0.280	0.264	0.238	0.265	10.07
8)		Ethyl Ether	0.285	0.287	0.296	0.282	0.273	0.259	0.280	4.57
9)		1,2-Dichlorotrifluo	0.322	0.096	0.133	0.120	0.103	0.094	0.145	60.98
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9981								
		Response Ratio = 0.00000 + 0.13352 *A + -0.02004 *A^2								
10)	C	1,1-Dichloroethene	0.367	0.226	0.484	0.454	0.437	0.408	0.396	23.31
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9990								
		Response Ratio = 0.00000 + 0.48834 *A + -0.03946 *A^2								
11)		Freon 113	0.197	0.166	0.228	0.209	0.197	0.185	0.197	10.64
12)		Carbon Disulfide	0.688	0.639	0.799	0.730	0.696	0.644	0.699	8.49
13)		Iodomethane	0.452	0.447	0.531	0.513	0.504	0.486	0.489	6.92
14)		Methylene Chloride	0.830	0.511	0.493	0.469	0.462	0.442	0.535	27.42
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999								
		Response Ratio = 0.00000 + 0.49799 *A + -0.02755 *A^2								
15)		Acetone	0.094	0.082	0.073	0.071	0.071	0.068	0.077	13.08
16)		Methyl acetate	0.199	0.265	0.182	0.171	0.168	0.159	0.191	20.38
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9992								
		Response Ratio = 0.00000 + 0.18679 *A + -0.00280 *A^2								
17)		trans-1,2-Dichloroe	0.411	0.386	0.481	0.473	0.472	0.447	0.445	8.65
18)		Hexane	0.259	0.247	0.302	0.296	0.294	0.280	0.279	8.00
19)		Methyl Tert Butyl E	0.706	0.737	0.755	0.764	0.778	0.757	0.750	3.33
20)		Di-isopropyl ether	0.941	0.999	1.143	1.117	1.117	1.063	1.063	7.43
21)	P	1,1-Dichloroethane	0.433	0.456	0.559	0.549	0.557	0.541	0.516	10.90
22)		Acrylonitrile	0.090	0.101	0.104	0.103	0.102	0.100	0.100	5.22
23)		ETBE	0.761	0.809	0.893	0.898	0.903	0.855	0.853	6.72
24)		Vinyl acetate	0.315	0.325	0.351	0.346	0.331	0.308	0.329	5.08
25)		cis-1,2-Dichloroeth	0.248	0.262	0.306	0.305	0.317	0.311	0.292	9.86
26)		2,2-Dichloropropane	0.226	0.222	0.277	0.266	0.264	0.256	0.252	9.06
27)		Bromochloromethane	0.112	0.132	0.156	0.155	0.162	0.158	0.146	13.45
28)		Cyclohexane	0.413	0.400	0.570	0.556	0.565	0.541	0.507	15.56
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
		Response Ratio = 0.00000 + 0.58112 *A + -0.01891 *A^2								
29)	C	Chloroform	0.426	0.435	0.524	0.521	0.534	0.510	0.492	9.73
30)		Tetrahydrofuran	0.103	0.093	0.081	0.076	0.076	0.073	0.084	14.33
31)	S	Dibromofluoromethan	0.267	0.271	0.272	0.273	0.276	0.274	0.272	1.16

Initial Calibration Summary

Job Number: F54581 **Sample:** VJ2327-ICC2327
Account: TETRFLTA Tetra-Tech NUS **Lab FileID:** J035007.D
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

32)		Carbon Tetrachlorid	0.261	0.267	0.348	0.337	0.349	0.338	0.317	12.99
33)		1,1,1-Trichloroetha	0.299	0.308	0.398	0.396	0.403	0.390	0.366	13.22
34)		2-Butanone	0.136	0.129	0.128	0.124	0.121	0.115	0.125	5.64
35)		1,1-Dichloropropene	0.292	0.283	0.390	0.386	0.393	0.383	0.354	14.75
36)		Benzene	0.853	0.908	1.104	1.091	1.107	1.049	1.019	10.85
37)		TAME	0.618	0.660	0.728	0.733	0.755	0.732	0.704	7.53
38)	S	1,2-Dichloroethane-	0.317	0.322	0.328	0.330	0.310	0.303	0.318	3.32
39)		1,2-Dichloroethane	0.380	0.394	0.434	0.423	0.424	0.405	0.410	5.01
40)		Trichloroethene	0.255	0.230	0.293	0.294	0.299	0.285	0.276	10.02
41)		Methylcyclohexane	0.326	0.311	0.456	0.450	0.454	0.431	0.405	16.65
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
		Response Ratio = 0.00000 + 0.47236 *A + -0.01966 *A^2								
42)		Dibromomethane	0.147	0.153	0.167	0.168	0.172	0.168	0.162	6.24
43)	C	1,2-Dichloropropane	0.273	0.285	0.334	0.333	0.336	0.324	0.314	8.89
44)		Bromodichloromethan	0.292	0.332	0.394	0.393	0.409	0.397	0.369	12.62
45)		2-Chloroethyl vinyl	0.113	0.136	0.152	0.166	0.164	0.152	0.147	13.56
46)		cis-1,3-Dichloropro	0.319	0.372	0.448	0.461	0.476	0.456	0.422	14.76
47)	I	Chlorobenzene-d5	----------ISTD----------							
48)	S	Toluene-d8	1.338	1.371	1.314	1.284	1.285	1.284	1.313	2.75
49)	C	Toluene	1.281	1.319	1.548	1.519	1.500	1.381	1.425	7.92
50)		2-Nitropropane	0.092	0.094	0.096	0.096	0.097	0.094	0.095	2.13
51)		4-Methyl-2-pentanon	0.357	0.378	0.382	0.363	0.337	0.301	0.353	8.49
52)		trans-1,3-Dichlorop	0.342	0.421	0.486	0.510	0.518	0.477	0.459	14.55
53)		Tetrachloroethene	0.304	0.299	0.382	0.384	0.411	0.422	0.367	14.46
54)		1,1,2-Trichloroetha	0.236	0.273	0.283	0.284	0.290	0.283	0.275	7.18
55)		Dibromochloromethan	0.279	0.317	0.364	0.375	0.400	0.393	0.355	13.42
56)		1,3-Dichloropropane	0.498	0.548	0.566	0.561	0.579	0.558	0.552	5.12
57)		1,2-Dibromoethane	0.272	0.302	0.324	0.321	0.335	0.336	0.315	7.75
58)		2-hexanone	0.217	0.235	0.246	0.239	0.229	0.212	0.230	5.70
59)		1-Chlorohexane	0.330	0.341	0.472	0.474	0.494	0.477	0.431	17.35
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9993								
		Response Ratio = 0.00000 + 0.48687 *A + -0.00346 *A^2								
60)	C	Ethylbenzene	1.551	1.437	1.759	1.678	1.561	1.373	1.560	9.24
61)	P	Chlorobenzene	0.866	0.894	1.068	1.048	1.034	0.959	0.978	8.68
62)		1,1,1,2-Tetrachloro	0.312	0.328	0.381	0.377	0.400	0.394	0.365	10.04
63)		m,p-Xylene	1.101	1.087	1.354	1.260	1.115	0.931	1.141	12.92
64)		o-Xylene	1.054	1.104	1.340	1.327	1.315	1.197	1.223	10.11
65)		Styrene	0.658	0.778	1.016	1.045	1.074	1.001	0.929	18.22
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989								
		Response Ratio = 0.00000 + 1.10382 *A + -0.04637 *A^2								
66)	P	Bromoform	0.149	0.186	0.220	0.229	0.248	0.255	0.215	18.68
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998								
		Response Ratio = 0.00000 + 0.21721 *A + 0.01932 *A^2								
67)		Isopropylbenzene	0.996	1.075	1.417	1.398	1.382	1.255	1.254	14.37
68)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
69)	S	4-Bromofluorobenzen	0.985	0.976	0.951	0.915	0.899	0.888	0.936	4.36
70)		n-Propylbenzene	3.034	2.995	3.855	3.590	3.172	2.682	3.221	13.30
71)		Bromobenzene	0.670	0.723	0.836	0.852	0.882	0.866	0.805	10.79
72)	P	1,1,2,2-Tetrachloro	0.749	0.790	0.769	0.753	0.739	0.702	0.750	3.96
73)		1,3,5-Trimethylbenz	1.918	2.008	2.599	2.486	2.325	2.039	2.229	12.59
74)		2-Chlorotoluene	2.142	2.137	2.649	2.522	2.332	2.003	2.297	10.87
75)		trans-1,4-Dichloro-	0.067	0.052	0.089	0.110	0.134	0.137	0.098	35.69
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9973								
		Response Ratio = 0.00000 + 0.09682 *A + 0.02122 *A^2								

Initial Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: VJ2327-ICC2327
Lab FileID: J035007.D

76)	1,2,3-Trichloroprop	0.189	0.211	0.219	0.213	0.211	0.207	0.208	4.85
77)	Cyclohexanone	0.019	0.020	0.019	0.019	0.019	0.018	0.019	2.75
78)	4-Chlorotoluene	1.937	1.890	2.255	2.212	2.142	1.909	2.058	7.98
79)	tert-Butylbenzene	1.133	1.155	1.493	1.435	1.392	1.276	1.314	11.40
80)	1,2,4-Trimethylbenz	2.159	2.069	2.571	2.488	2.375	2.096	2.293	9.33
81)	sec-Butylbenzene	2.352	2.385	3.112	2.999	2.805	2.433	2.681	12.47
82)	4-Isopropyltoluene	1.792	1.778	2.444	2.373	2.296	2.042	2.121	13.83
83)	1,3-Dichlorobenzene	1.254	1.187	1.408	1.416	1.459	1.387	1.352	7.87
84)	1,4-Dichlorobenzene	1.404	1.323	1.509	1.510	1.520	1.444	1.452	5.34
85)	n-Butylbenzene	1.056	1.033	1.425	1.448	1.407	1.276	1.274	14.75
86)	Benzyl Chloride	0.199	0.224	0.265	0.282	0.291	0.282	0.257	14.41
87)	1,2-Dichlorobenzene	1.162	1.167	1.340	1.351	1.375	1.306	1.284	7.39
88)	1,2-Dibromo-3-Chlor	0.113	0.097	0.107	0.108	0.108	0.108	0.107	4.88
89)	Hexachlorobutadiene	0.365	0.268	0.358	0.360	0.388	0.392	0.355	12.68
90)	1,2,4-Trichlorobenz	0.695	0.584	0.708	0.760	0.816	0.806	0.728	11.86
91)	Naphthalene	1.540	1.291	1.499	1.574	1.579	1.493	1.496	7.13
92)	1,2,3-Trichlorobenz	0.671	0.519	0.602	0.641	0.682	0.674	0.632	9.93
93) I	Tert Butyl Alcohol-d1	----------ISTD----------							
94)	acrolein	1.736	1.503	1.484	1.401	1.419	1.401	1.491	8.58
95)	Tert Butyl Alcohol	1.379	1.199	1.117	1.105	1.087	1.058	1.157	10.24
96)	tert Amyl alcohol	0.883	0.814	0.919	0.916	0.934	0.913	0.897	4.90
97)	1,4-Dioxane	0.070	0.101	0.109	0.108	0.106	0.103	0.099	14.85

(#) = Out of Range

8260-J.M Wed Dec 26 10:22:19 2007

5.7 5

Initial Calibration Verification

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: VJ2327-ICV2327
Lab FileID: J035010.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\122407\J035010.D
Acq On : 24 Dec 2007 1:31 pm
Sample : ICv2327-4
Misc : ms9092,vj2327,,,,,
MS Integration Params: Tiny.p

Vial: 8
Operator: JuanG
Inst : MSVOA6
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\8260-J.M (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Wed Dec 26 10:17:35 2007
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	114	0.00	7.65
2		Dichlorodifluoromethane	0.185	0.130	29.7#	73	-0.02	2.78
3	P	Chloromethane	0.389	0.309	20.6#	90	0.00	3.05
4	C	Vinyl Chloride	0.280	0.238	15.0	91	0.01	3.18
5		Bromomethane	0.170	0.143	15.9	94	-0.01	3.57
6		Chloroethane	0.157	0.144	8.3	98	-0.02	3.74
7		Trichlorofluoromethane	0.265	0.254	4.2	104	0.01	3.90
8		Ethyl Ether	0.280	0.244	12.9	99	0.00	4.16
			Amount	Calc.	%Drift			
9		1,2-Dichlorotrifluoroetha	40.000	32.634	18.4	94	0.00	4.36
10	C	1,1-Dichloroethene	40.000	35.915	10.2	104	-0.02	4.45
			AvgRF	CCRF	%Dev			
11		Freon 113	0.197	0.189	4.1	103	0.00	4.50
12		Carbon Disulfide	0.699	0.682	2.4	107	-0.02	4.53
13		Iodomethane	0.489	0.456	6.7	102	-0.02	4.65
			Amount	Calc.	%Drift			
14		Methylene Chloride	40.000	36.631	8.4	106	0.00	5.01
			AvgRF	CCRF	%Dev			
15		Acetone	0.077	0.081	-5.2	130	0.00	5.07
			Amount	Calc.	%Drift			
16		Methyl acetate	200.000	177.381	11.3	104	0.00	5.18
			AvgRF	CCRF	%Dev			
17		trans-1,2-Dichloroethene	0.445	0.460	-3.4	111	0.00	5.18
18		Hexane	0.279	0.277	0.7	107	0.00	5.26
19		Methyl Tert Butyl Ether	0.750	0.758	-1.1	113	0.01	5.30
20		Di-isopropyl ether	1.063	1.062	0.1	108	0.00	5.67
21	P	1,1-Dichloroethane	0.516	0.555	-7.6	115	0.00	5.84
22		Acrylonitrile	0.100	0.088	12.0	97	0.00	5.89
23		ETBE	0.853	0.971	-13.8	123	0.00	6.05
24		Vinyl acetate	0.329	0.391	-18.8	129	0.00	6.06
25		cis-1,2-Dichloroethene	0.292	0.295	-1.0	110	0.00	6.39
26		2,2-Dichloropropane	0.252	0.284	-12.7	122	0.00	6.51
27		Bromochloromethane	0.146	0.146	0.0	108	0.00	6.60
			Amount	Calc.	%Drift			
28		Cyclohexane	40.000	36.910	7.7	107	0.00	6.62

Initial Calibration Verification

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: VJ2327-ICV2327
Lab FileID: J035010.D

			AvgRF	CCRF	%Dev			
29	C	Chloroform	0.492	0.520	-5.7	114	0.00	6.65
30		Tetrahydrofuran	0.084	0.075	10.7	112	0.00	6.83
31	S	Dibromofluoromethane	0.272	0.270	0.7	113	0.00	6.83
32		Carbon Tetrachloride	0.317	0.336	-6.0	114	0.00	6.82
33		1,1,1-Trichloroethane	0.366	0.393	-7.4	113	0.00	6.89
34		2-Butanone	0.125	0.128	-2.4	118	0.00	6.95
35		1,1-Dichloropropene	0.354	0.381	-7.6	113	0.00	7.00
36		Benzene	1.019	1.096	-7.6	115	0.00	7.25
37		TAME	0.704	0.738	-4.8	115	0.00	7.34
38	S	1,2-Dichloroethane-d4	0.318	0.328	-3.1	113	0.00	7.38
39		1,2-Dichloroethane	0.410	0.406	1.0	110	0.00	7.45
40		Trichloroethene	0.276	0.282	-2.2	109	0.00	7.81
			Amount	Calc.	%Drift			
41		Methylcyclohexane	40.000	38.926	2.7	113	0.00	7.82
			AvgRF	CCRF	%Dev			
42		Dibromomethane	0.162	0.167	-3.1	113	0.00	8.24
43	C	1,2-Dichloropropane	0.314	0.315	-0.3	108	0.00	8.34
44		Bromodichloromethane	0.369	0.376	-1.9	109	0.00	8.37
45		2-Chloroethyl vinyl ether	0.147	0.157	-6.8	107	0.00	8.90
46		cis-1,3-Dichloropropene	0.422	0.459	-8.8	114	0.00	8.99
47	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00	10.72
48	S	Toluene-d8	1.313	1.333	-1.5	111	0.00	9.18
49	C	Toluene	1.425	1.575	-10.5	111	0.00	9.23
50		2-Nitropropane	0.095	0.094	1.1	105	0.00	9.45
51		4-Methyl-2-pentanone	0.353	0.357	-1.1	105	0.00	9.57
52		trans-1,3-Dichloropropene	0.459	0.565	-23.1#	118	0.00	9.62
53		Tetrachloroethene	0.367	0.406	-10.6	113	0.00	9.62
54		1,1,2-Trichloroethane	0.275	0.288	-4.7	108	0.00	9.78
55		Dibromochloromethane	0.355	0.392	-10.4	111	0.00	9.97
56		1,3-Dichloropropane	0.552	0.580	-5.1	110	0.00	10.06
57		1,2-Dibromoethane	0.315	0.339	-7.6	113	-0.01	10.23
58		2-hexanone	0.230	0.251	-9.1	112	0.00	10.39
			Amount	Calc.	%Drift			
59		1-Chlorohexane	40.000	42.267	-5.7	115	0.00	10.68
			AvgRF	CCRF	%Dev			
60	C	Ethylbenzene	1.560	1.655	-6.1	105	0.00	10.74
61	P	Chlorobenzene	0.978	1.043	-6.6	106	0.00	10.73
62		1,1,1,2-Tetrachloroethane	0.365	0.382	-4.7	108	0.00	10.79
63		m,p-Xylene	1.141	1.264	-10.8	107	0.00	10.88
64		o-Xylene	1.223	1.368	-11.9	110	0.00	11.32
			Amount	Calc.	%Drift			
65		Styrene	40.000	39.410	1.5	107	0.00	11.37
66	P	Bromoform	40.000	40.403	-1.0	110	0.00	11.41
			AvgRF	CCRF	%Dev			
67		Isopropylbenzene	1.254	1.483	-18.3	113	0.00	11.63
68	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	13.08
69	S	4-Bromofluorobenzene	0.936	0.936	0.0	110	0.00	11.92
70		n-Propylbenzene	3.221	3.506	-8.8	105	0.00	12.05
71		Bromobenzene	0.805	0.861	-7.0	109	0.00	12.05
72	P	1,1,2,2-Tetrachloroethane	0.750	0.766	-2.1	110	0.00	12.10

Initial Calibration Verification

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: VJ2327-ICV2327
Lab FileID: J035010.D

73	1,3,5-Trimethylbenzene	2.229	2.452	-10.0	106	0.00	12.23
74	2-Chlorotoluene	2.297	2.455	-6.9	105	0.00	12.22
	----------	Amount	Calc.	%Drift		----------	
75	trans-1,4-Dichloro-2-Bute	40.000	42.266	-5.7	120	0.00	12.29
	----------	AvgRF	CCRF	%Dev		----------	
76	1,2,3-Trichloropropane	0.208	0.216	-3.8	110	0.00	12.27
77	Cyclohexanone	0.019	0.019	0.0	109	0.00	12.33
78	4-Chlorotoluene	2.058	2.250	-9.3	110	0.00	12.39
79	tert-Butylbenzene	1.314	1.434	-9.1	108	0.00	12.57
80	1,2,4-Trimethylbenzene	2.293	2.477	-8.0	107	0.00	12.64
81	sec-Butylbenzene	2.681	3.018	-12.6	109	0.00	12.75
82	4-Isopropyltoluene	2.121	2.423	-14.2	110	0.00	12.89
83	1,3-Dichlorobenzene	1.352	1.441	-6.6	110	0.00	13.01
84	1,4-Dichlorobenzene	1.452	1.511	-4.1	108	0.00	13.09
85	n-Butylbenzene	1.274	1.451	-13.9	108	0.00	13.32
86	Benzyl Chloride	0.257	0.292	-13.6	112	0.00	13.34
87	1,2-Dichlorobenzene	1.284	1.381	-7.6	110	0.00	13.52
88	1,2-Dibromo-3-Chloropropa	0.107	0.110	-2.8	111	0.00	14.27
89	Hexachlorobutadiene	0.355	0.369	-3.9	111	0.00	14.83
90	1,2,4-Trichlorobenzene	0.728	0.782	-7.4	111	0.00	14.86
91	Naphthalene	1.496	1.674	-11.9	115	0.00	15.16
92	1,2,3-Trichlorobenzene	0.632	0.671	-6.2	113	0.00	15.31
93 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	117	0.00	5.29
94	acrolein	1.491	0.620	58.4#	52	-0.01	4.76
95	Tert Butyl Alcohol	1.157	1.095	5.4	116	0.00	5.35
96	tert Amyl alcohol	0.897	0.916	-2.1	117	-0.01	7.48
97	1,4-Dioxane	0.099	0.110	-11.1	119	0.00	8.57

(#) = Out of Range SPCC's out = 0 CCC's out = 0
J035007.D 8260-J.M Wed Dec 26 10:22:00 2007

5.7 5

Raw Data: J035012.D

Method Blank Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2327-MB	J035012.D	1	12/24/07	JG	n/a	n/a	VJ2327

5.1 5

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

F54581-1, F54581-2, F54581-3, F54581-4, F54581-5, F54581-6, F54581-7, F54581-8, F54581-9, F54581-10, F54581-11, F54581-12

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.29	ug/l	
75-25-2	Bromoform	ND	1.0	0.28	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.46	ug/l	
67-66-3	Chloroform	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.2	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.29	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.28	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.24	ug/l	
541-73-1	m-Dichlorobenzene	0.31	1.0	0.23	ug/l	J
95-50-1	o-Dichlorobenzene	0.24	1.0	0.20	ug/l	J
106-46-7	p-Dichlorobenzene	0.34	1.0	0.22	ug/l	J
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.38	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.37	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.30	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.25	ug/l	
108-88-3	Toluene	ND	1.0	0.27	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.38	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.34	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

Method Blank Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ2327-MB	J035012.D	1	12/24/07	JG	n/a	n/a	VJ2327

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

F54581-1, F54581-2, F54581-3, F54581-4, F54581-5, F54581-6, F54581-7, F54581-8, F54581-9, F54581-10, F54581-11, F54581-12

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	87-116%
17060-07-0	1,2-Dichloroethane-D4	98%	76-127%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	110%	84-120%

Raw Data: W038389.D

Instrument Performance Check (DFTPP)

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	SW1966-DFTPP	Injection Date:	12/03/07
Lab File ID:	W038389.D	Injection Time:	17:28
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	105355	40.3		Pass
68	Less than 2.0% of mass 69	0	0.0	(0.0) [a]	Pass
69	Mass 69 relative abundance	97994	37.5		Pass
70	Less than 2.0% of mass 69	406	0.16	(0.41) [a]	Pass
127	40.0 - 60.0% of mass 198	136515	52.3		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	261181	100.0		Pass
199	5.0 - 9.0% of mass 198	18567	7.1		Pass
275	10.0 - 30.0% of mass 198	55203	21.1		Pass
365	1.0 - 100.0% of mass 198	5006	1.9		Pass
441	Present, but less than mass 443	22325	8.5	(77.1) [b]	Pass
442	40.0 - 100.0% of mass 198	146787	56.2		Pass
443	17.0 - 23.0% of mass 442	28939	11.1	(19.7) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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
SW1966-IC1966	W038390.D	12/03/07	17:44	00:16	Initial cal 1
SW1966-IC1966	W038391.D	12/03/07	18:10	00:42	Initial cal 2
SW1966-IC1966	W038392.D	12/03/07	18:36	01:08	Initial cal 3
SW1966-ICC1966	W038393.D	12/03/07	19:02	01:34	Initial cal 4
SW1966-IC1966	W038394.D	12/03/07	19:28	02:00	Initial cal 5
SW1966-IC1966	W038395.D	12/03/07	19:54	02:26	Initial cal 6
SW1966-IC1966	W038396.D	12/03/07	20:20	02:52	Initial cal 7
SW1966-ICV1966	W038397.D	12/03/07	22:47	05:19	Initial cal verification 4

Initial Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: SW1966-ICC1966
Lab FileID: W038393.D

Response Factor Report MSBNA01

Method : C:\HPCHEM\1\METHODS\SIM_PAH.M (RTE Integrator)
Title : PAH's by 8270 SIM
Last Update : Tue Dec 04 10:26:43 2007
Response via : Initial Calibration

Calibration Files
L1 =W038390.D L2 =W038391.D L3 =W038392.D L4 =W038393.D
L5 =W038394.D L6 =W038395.D L7 =W038396.D icv =W038397.D

Compound	L1	L2	L3	L4	L5	L6	L7	icv	Avg	%RSD
1) I Naphthalene-d8				----------ISTD----------						
2) Nitrobenzene	0.371	0.361	0.343	0.351	0.343	0.318	0.326		0.345	5.36
3) N-nitroso-di		0.124	0.114	0.113	0.102	0.092	0.095		0.107	11.54
4) Naphthalene	1.153	1.099	1.029	1.013	0.965	0.820	0.809		0.984	13.28
5) 2-Methylnaph	0.782	0.748	0.693	0.703	0.663	0.616	0.574		0.683	10.58
6) 1-Methylnaph	0.722	0.695	0.642	0.646	0.610	0.575	0.539		0.633	10.15
7) I Acenaphthene-d10				----------ISTD----------						
8) Hexachlorocy		0.269	0.276	0.307	0.316	0.285	0.303		0.293	6.39
9) 2-Fluorobiph	2.152	1.688	1.941	1.972	1.846	1.786	1.703		1.870	8.84
10) Acenaphthyle	2.133	2.014	1.911	1.906	1.861	1.684	1.718		1.889	8.31
11) Acenaphthene	1.338	1.277	1.212	1.213	1.163	1.115	1.069		1.198	7.70
12) 2,4-Dinitrop		0.096	0.124	0.134	0.161	0.145	0.179		0.140	20.68
13) 4-Nitropheno		0.226	0.231	0.232	0.246	0.219	0.249		0.234	4.89
14) Fluorene	1.461	1.380	1.304	1.321	1.256	1.158	1.140		1.289	8.95
15) I Phenanthrene-d10				----------ISTD----------						
16) Phenanthrene	1.414	1.347	1.265	1.269	1.187	1.123	1.118		1.246	8.94
17) Anthracene	1.407	1.340	1.271	1.287	1.212	1.136	1.137		1.256	8.05
18) Fluoranthene	1.309	1.229	1.189	1.203	1.163	1.083	1.078		1.179	6.92
19) I Chrysene-d12				----------ISTD----------						
20) Pyrene	2.405	2.376	2.160	2.296	2.037	2.065	1.944		2.183	8.19
21) Terphenyl-d1	1.043	1.047	0.980	1.012	0.955	0.921	0.899		0.980	5.91
22) Benzo[a]anth	1.873	1.712	1.631	1.659	1.635	1.580	1.592		1.669	5.98
23) Chrysene	1.733	1.711	1.612	1.638	1.599	1.547	1.536		1.625	4.63
24) I Perylene-d12				----------ISTD----------						
25) Benzo[b]fluo	1.564	1.561	1.513	1.574	1.509	1.494	1.586		1.543	2.36
26) Benzo[k]fluo	1.704	1.630	1.619	1.649	1.651	1.623	1.560		1.634	2.65
27) Benzo[a]pyre	1.448	1.417	1.393	1.414	1.409	1.420	1.409		1.416	1.20
28) Indeno[1,2,3	1.147	1.101	1.105	1.102	1.140	1.132	1.072		1.114	2.37
29) Dibenz[a,h]a	1.124	1.103	1.129	1.142	1.170	1.148	1.091		1.129	2.39
30) Benzo[g,h,i]	1.300	1.269	1.276	1.276	1.304	1.262	1.184		1.267	3.16

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

SIM_PAH.M Tue Dec 04 10:28:09 2007

7.1 7

Initial Calibration Verification

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: SW1966-ICV1966
Lab FileID: W038397.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\120307\W038397.D
Acq On : 3 Dec 2007 10:47 pm
Sample : icv1966-4
Misc : op23286,sw1966,1000,,,1,1,water
MS Integration Params: RTEINT.P

Vial: 10
Operator: rayb
Inst : MSBNA01
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SIM_PAH.M (RTE Integrator)
Title : PAH's by 8270 SIM
Last Update : Tue Dec 04 10:26:43 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	Naphthalene-d8	4.000	4.000	0.0	78	0.00	5.86
2	S	Nitrobenzene-d5		----------NA----------				
3	P	N-nitroso-di-n-propylamin		----------NA----------				
4		Naphthalene	25.000	24.547	1.8	0	0.00	5.89
5		2-Methylnaphthalene	25.000	21.716	13.1	0	0.00	6.65
6		1-Methylnaphthalene	25.000	27.805	-11.2	0	0.00	6.77
7	I	Acenaphthene-d10	4.000	4.000	0.0	75	0.00	8.06
8	P	Hexachlorocyclopentadiene		----------NA----------				
9	S	2-Fluorobiphenyl		----------NA----------				
10		Acenaphthylene	25.000	24.630	1.5	0	0.00	7.86
11	C	Acenaphthene	25.000	23.952	4.2	0	0.00	8.12
12	P	2,4-Dinitrophenol		----------NA----------				
13	P	4-Nitrophenol		----------NA----------				
14		Fluorene	25.000	24.967	0.1	0	0.00	8.94
15	I	Phenanthrene-d10	4.000	4.000	0.0	76	0.00	10.52
16		Phenanthrene	25.000	24.448	2.2	0	0.00	10.57
17		Anthracene	25.000	25.386	-1.5	0	0.00	10.66
18	C	Fluoranthene	25.000	24.218	3.1	0	0.00	12.73
19	I	Chrysene-d12	4.000	4.000	0.0	77	0.00	15.41
20		Pyrene	25.000	24.837	0.7	0	0.00	13.13
21	S	Terphenyl-d14		----------NA----------				
22		Benzo[a]anthracene	2.500	2.272	9.1	0	0.00	15.38
23		Chrysene	2.500	2.368	5.3	0	0.00	15.45
24	I	Perylene-d12	4.000	4.000	0.0	76	0.00	17.88
25		Benzo[b]fluoranthene	2.500	2.408	3.7	0	0.00	17.27
26		Benzo[k]fluoranthene	2.500	2.395	4.2	0	0.00	17.32
27	C	Benzo[a]pyrene	2.500	2.468	1.3	0	0.00	17.79
28		Indeno[1,2,3-cd]pyrene	2.500	2.365	5.4	0	0.00	19.45
29		Dibenz[a,h]anthracene	2.500	2.406	3.8	0	0.00	19.51
30		Benzo[g,h,i]perylene	2.500	2.376	5.0	0	0.00	19.80

(#) = Out of Range SPCC's out = 0 CCC's out = 0
W038397.D SIM_PAH.M Tue Dec 04 10:27:50 2007

7.7

Instrument Performance Check (DFTPP)

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	SW1978-DFTPP	Injection Date:	12/19/07
Lab File ID:	W038657.D	Injection Time:	14:04
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	116192	36.5		Pass
68	Less than 2.0% of mass 69	159	0.05	(0.14) [a]	Pass
69	Mass 69 relative abundance	110897	34.8		Pass
70	Less than 2.0% of mass 69	539	0.17	(0.49) [a]	Pass
127	40.0 - 60.0% of mass 198	157583	49.5		Pass
197	Less than 1.0% of mass 198	0	0.0		Pass
198	Base peak, 100% relative abundance	318421	100.0		Pass
199	5.0 - 9.0% of mass 198	20929	6.6		Pass
275	10.0 - 30.0% of mass 198	68539	21.5		Pass
365	1.0 - 100.0% of mass 198	6409	2.0		Pass
441	Present, but less than mass 443	29512	9.3	(78.4) [b]	Pass
442	40.0 - 100.0% of mass 198	196533	61.7		Pass
443	17.0 - 23.0% of mass 442	37621	11.8	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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
SW1978-CC1966	W038658.D	12/19/07	14:27	00:23	Continuing cal 5
OP23536-BS	W038659.D	12/19/07	15:02	00:58	Blank Spike
OP23536-MB	W038660.D	12/19/07	15:28	01:24	Method Blank
F54581-1	W038661.D	12/19/07	15:54	01:50	BRN-1120-MW36-1207
F54581-2	W038662.D	12/19/07	16:20	02:16	BRN-1120-MW37-1207
F54581-3	W038663.D	12/19/07	16:46	02:42	BRN-1120-MW38-1207
F54581-4	W038664.D	12/19/07	17:12	03:08	BRN-1120-MW39-1207
F54581-5	W038665.D	12/19/07	17:38	03:34	BRN-1120-MW40-1207
F54581-6	W038666.D	12/19/07	18:04	04:00	BRN-1120-MW25-1207
F54581-7	W038667.D	12/19/07	18:30	04:26	BRN-1120-MW07-1207
F54581-8	W038668.D	12/19/07	18:57	04:53	BRN-1120-MW05R-1207
F54581-9	W038669.D	12/19/07	19:24	05:20	BRN-1120-MW16R-1207
F54581-10	W038670.D	12/19/07	19:49	05:45	BRN-1120-MW24-1207
OP23536-MS	W038671.D	12/19/07	20:16	06:12	Matrix Spike
OP23536-MSD	W038672.D	12/19/07	20:42	06:38	Matrix Spike Duplicate
F54581-11	W038673.D	12/19/07	21:08	07:04	BRN-1120-MW27-1207
ZZZZZZ	W038674.D	12/19/07	21:34	07:30	(unrelated sample)
ZZZZZZ	W038675.D	12/19/07	22:00	07:56	(unrelated sample)
ZZZZZZ	W038677.D	12/19/07	22:52	08:48	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	SW1978-DFTPP	Injection Date:	12/19/07
Lab File ID:	W038657.D	Injection Time:	14:04
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W038678.D	12/19/07	23:18	09:14	(unrelated sample)
ZZZZZZ	W038679.D	12/19/07	23:44	09:40	(unrelated sample)

7.4

7

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: SW1978-CC1966
Lab FileID: W038658.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\121907\W038658.D
Acq On : 19 Dec 2007 2:27 pm
Sample : cc1966-5
Misc : op23536,sw1978,1000,,,1,1,water
MS Integration Params: RTEINT.P

Vial: 2
Operator: rayb
Inst : MSBNA01
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SIM_PAH.M (RTE Integrator)
Title : PAH's by 8270 SIM
Last Update : Thu Dec 20 09:37:39 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 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	Naphthalene-d8	1.000	1.000	0.0	136	0.00	5.68
2	S	Nitrobenzene-d5	0.345	0.328	4.9	130	0.00	5.06
3	P	N-nitroso-di-n-propylamin	0.107	0.108	-0.9	145	0.01	4.94
4		Naphthalene	0.984	0.899	8.6	127	0.00	5.70
5		2-Methylnaphthalene	0.683	0.630	7.8	130	0.00	6.45
6		1-Methylnaphthalene	0.633	0.592	6.5	132	0.00	6.56
7	I	Acenaphthene-d10	1.000	1.000	0.0	138	0.00	7.84
8	P	Hexachlorocyclopentadiene	0.293	0.288	1.7	126	-0.02	6.63
9	S	2-Fluorobiphenyl	1.870	1.715	8.3	128	-0.01	6.92
10		Acenaphthylene	1.889	1.751	7.3	130	-0.01	7.62
11	C	Acenaphthene	1.198	1.100	8.2	131	-0.01	7.88
12	P	2,4-Dinitrophenol	0.140	0.164	-17.1	141	0.02	7.99
13	P	4-Nitrophenol	0.234	0.228	2.6	128	0.04	8.18
14		Fluorene	1.289	1.189	7.8	131	0.00	8.70
15	I	Phenanthrene-d10	1.000	1.000	0.0	133	0.00	10.27
16		Phenanthrene	1.246	1.154	7.4	129	0.00	10.31
17		Anthracene	1.256	1.166	7.2	128	0.00	10.41
18	C	Fluoranthene	1.179	1.135	3.7	129	-0.05	12.47
19	I	Chrysene-d12	1.000	1.000	0.0	136	0.00	15.14
20		Pyrene	2.183	1.840	15.7	123	-0.01	12.86
21	S	Terphenyl-d14	0.980	0.883	9.9	126	-0.02	13.29
22		Benzo[a]anthracene	1.669	1.589	4.8	133	0.00	15.11
23		Chrysene	1.625	1.589	2.2	135	0.00	15.18
24	I	Perylene-d12	1.000	1.000	0.0	134	0.00	17.61
25		Benzo[b]fluoranthene	1.543	1.549	-0.4	137	0.00	17.00
26		Benzo[k]fluoranthene	1.634	1.591	2.6	129	0.00	17.05
27	C	Benzo[a]pyrene	1.416	1.406	0.7	133	0.00	17.51
28		Indeno[1,2,3-cd]pyrene	1.114	1.052	5.6	123	0.02	19.17
29		Dibenz[a,h]anthracene	1.129	1.046	7.4	119	0.02	19.23
30		Benzo[g,h,i]perylene	1.267	1.173	7.4	120	0.02	19.51

(#) = Out of Range
W038394.D SIM_PAH.M

SPCC's out = 0 CCC's out = 0
Thu Dec 20 09:38:50 2007

7.7

Instrument Performance Check (DFTPP)

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	SW1979-DFTPP	Injection Date:	12/20/07
Lab File ID:	W038680.D	Injection Time:	11:09
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	112719	35.2		Pass
68	Less than 2.0% of mass 69	845	0.26	(0.78) [a]	Pass
69	Mass 69 relative abundance	108722	33.9		Pass
70	Less than 2.0% of mass 69	493	0.15	(0.45) [a]	Pass
127	40.0 - 60.0% of mass 198	156672	48.9		Pass
197	Less than 1.0% of mass 198	1366	0.43		Pass
198	Base peak, 100% relative abundance	320661	100.0		Pass
199	5.0 - 9.0% of mass 198	21893	6.8		Pass
275	10.0 - 30.0% of mass 198	67803	21.1		Pass
365	1.0 - 100.0% of mass 198	5961	1.9		Pass
441	Present, but less than mass 443	30448	9.5	(79.1) [b]	Pass
442	40.0 - 100.0% of mass 198	199427	62.2		Pass
443	17.0 - 23.0% of mass 442	38504	12.0	(19.3) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

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
SW1979-CC1966	W038681.D	12/20/07	11:27	00:18	Continuing cal 4
OP23553-BS	W038683.D	12/20/07	12:32	01:23	Blank Spike
OP23553-MB	W038684.D	12/20/07	12:58	01:49	Method Blank
F54608-3	W038685.D	12/20/07	13:24	02:15	(used for QC only; not part of job F54581)
OP23553-MS	W038686.D	12/20/07	13:58	02:49	Matrix Spike
OP23553-MSD	W038687.D	12/20/07	14:24	03:15	Matrix Spike Duplicate
ZZZZZZ	W038688.D	12/20/07	14:59	03:50	(unrelated sample)
ZZZZZZ	W038689.D	12/20/07	15:25	04:16	(unrelated sample)
ZZZZZZ	W038690.D	12/20/07	15:51	04:42	(unrelated sample)
ZZZZZZ	W038691.D	12/20/07	16:18	05:09	(unrelated sample)
ZZZZZZ	W038692.D	12/20/07	16:44	05:35	(unrelated sample)
ZZZZZZ	W038693.D	12/20/07	17:10	06:01	(unrelated sample)
ZZZZZZ	W038694.D	12/20/07	17:36	06:27	(unrelated sample)
ZZZZZZ	W038695.D	12/20/07	18:03	06:54	(unrelated sample)
ZZZZZZ	W038696.D	12/20/07	18:29	07:20	(unrelated sample)
ZZZZZZ	W038697.D	12/20/07	18:55	07:46	(unrelated sample)
ZZZZZZ	W038698.D	12/20/07	19:21	08:12	(unrelated sample)
ZZZZZZ	W038699.D	12/20/07	19:47	08:38	(unrelated sample)
ZZZZZZ	W038700.D	12/20/07	20:13	09:04	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample:	SW1979-DFTPP	Injection Date:	12/20/07
Lab File ID:	W038680.D	Injection Time:	11:09
Instrument ID:	GCMSW		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	W038701.D	12/20/07	20:40	09:31	(unrelated sample)
ZZZZZZ	W038702.D	12/20/07	21:06	09:57	(unrelated sample)
OP23536-MB	W038703.D	12/20/07	21:32	10:23	Method Blank
ZZZZZZ	W038704.D	12/20/07	21:58	10:49	(unrelated sample)

7.4

7

Raw Data: W038681.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: SW1979-CC1966
Lab FileID: W038681.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\122007\W038681.D
Acq On : 20 Dec 2007 11:27 am
Sample : cc1966-4
Misc : op23553,sw1979,30.0,,,1,1,soil
MS Integration Params: RTEINT.P

Vial: 2
Operator: rayb
Inst : MSBNA01
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\SIM_PAH.M (RTE Integrator)
Title : PAH's by 8270 SIM
Last Update : Fri Dec 21 10:09:13 2007
Response via : Multiple Level Calibration

Min. RRF : 0.050 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	Naphthalene-d8	1.000	1.000	0.0	117	0.00	5.67
2	S	Nitrobenzene-d5	0.345	0.345	0.0	115	0.00	5.04
3	P	N-nitroso-di-n-propylamin	0.107	0.099	7.5	102	0.00	4.92
4		Naphthalene	0.984	0.976	0.8	113	0.00	5.68
5		2-Methylnaphthalene	0.683	0.676	1.0	112	0.00	6.42
6		1-Methylnaphthalene	0.633	0.626	1.1	113	0.00	6.54
7	I	Acenaphthene-d10	1.000	1.000	0.0	115	0.00	7.81
8	P	Hexachlorocyclopentadiene	0.293	0.279	4.8	105	-0.02	6.61
9	S	2-Fluorobiphenyl	1.870	1.821	2.6	106	-0.02	6.90
10		Acenaphthylene	1.889	1.838	2.7	111	-0.01	7.60
11	C	Acenaphthene	1.198	1.180	1.5	112	0.00	7.86
12	P	2,4-Dinitrophenol	0.140	0.134	4.3	115	0.00	7.96
13	P	4-Nitrophenol	0.234	0.248	-6.0	124	0.03	8.14
14		Fluorene	1.289	1.264	1.9	110	0.01	8.67
15	I	Phenanthrene-d10	1.000	1.000	0.0	115	0.00	10.24
16		Phenanthrene	1.246	1.218	2.2	111	0.00	10.28
17		Anthracene	1.256	1.250	0.5	112	0.00	10.37
18	C	Fluoranthene	1.179	1.169	0.8	112	-0.05	12.44
19	I	Chrysene-d12	1.000	1.000	0.0	123	0.00	15.11
20		Pyrene	2.183	2.056	5.8	110	-0.02	12.83
21	S	Terphenyl-d14	0.980	0.922	5.9	112	-0.02	13.26
22		Benzo[a]anthracene	1.669	1.608	3.7	119	0.00	15.09
23		Chrysene	1.625	1.581	2.7	119	0.00	15.15
24	I	Perylene-d12	1.000	1.000	0.0	125	0.00	17.59
25		Benzo[b]fluoranthene	1.543	1.506	2.4	120	-0.02	16.97
26		Benzo[k]fluoranthene	1.634	1.644	-0.6	125	-0.02	17.02
27	C	Benzo[a]pyrene	1.416	1.401	1.1	124	0.00	17.48
28		Indeno[1,2,3-cd]pyrene	1.114	1.123	-0.8	128	0.00	19.13
29		Dibenz[a,h]anthracene	1.129	1.112	1.5	122	0.02	19.20
30		Benzo[g,h,i]perylene	1.267	1.293	-2.1	127	0.01	19.48

(#) = Out of Range
W038393.D SIM_PAH.M

SPCC's out = 0 CCC's out = 0
Fri Dec 21 10:10:14 2007

7.7

Method Blank Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23536-MB	W038660.D	1	12/19/07	RB	12/18/07	OP23536	SW1978

The QC reported here applies to the following samples: Method: SW846 8270C BY SIM

F54581-1, F54581-2, F54581-3, F54581-4, F54581-5, F54581-6, F54581-7, F54581-8, F54581-9, F54581-10, F54581-11

7.1

7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.50	ug/l	
120-12-7	Anthracene	ND	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.10	ug/l	
218-01-9	Chrysene	ND	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.25	ug/l	
86-73-7	Fluorene	ND	1.0	0.25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	1.0	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.50	ug/l	
129-00-0	Pyrene	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	75%	42-108%
321-60-8	2-Fluorobiphenyl	70%	40-106%
1718-51-0	Terphenyl-d14	74%	39-121%

Raw Data: W038703.D

Method Blank Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23536-MB	W038703.D	1	12/20/07	RB	12/18/07	OP23536	SW1979

The QC reported here applies to the following samples: Method: SW846 8270C BY SIM

F54581-1, F54581-2, F54581-3, F54581-4, F54581-5, F54581-6, F54581-7, F54581-8, F54581-9, F54581-10, F54581-11

7.1

7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.50	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.50	ug/l	
120-12-7	Anthracene	ND	1.0	0.50	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.10	ug/l	
218-01-9	Chrysene	ND	0.20	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	0.050	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.25	ug/l	
86-73-7	Fluorene	ND	1.0	0.25	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	0.050	ug/l	
90-12-0	1-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.25	ug/l	
91-20-3	Naphthalene	ND	1.0	0.25	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.50	ug/l	
129-00-0	Pyrene	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	83%	42-108%
321-60-8	2-Fluorobiphenyl	77%	40-106%
1718-51-0	Terphenyl-d14	90%	39-121%

Method Blank Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23516-MB	IJ44533.D	1	12/18/07	KL	12/17/07	OP23516	GIJ1702

The QC reported here applies to the following samples: Method: FLORIDA-PRO

F54581-1, F54581-2, F54581-3, F54581-4, F54581-5, F54581-6, F54581-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	98%	38-122%

Raw Data: IJ44571.D

Method Blank Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23516-MB	IJ44571.D	1	12/19/07	KL	12/17/07	OP23516	GIJ1703

The QC reported here applies to the following samples: Method: FLORIDA-PRO

F54581-1, F54581-2, F54581-3, F54581-4, F54581-5, F54581-6, F54581-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	91%	38-122%

9.1

9

Raw Data: OP78300.D

Method Blank Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23531-MB	OP78300.D	1	12/18/07	KL	12/18/07	OP23531	GOP2027

The QC reported here applies to the following samples: Method: FLORIDA-PRO

F54581-8, F54581-9, F54581-10, F54581-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	86%	38-122%

9.1

9

Method Blank Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23531-MB	OP78344.D	1	12/19/07	KL	12/18/07	OP23531	GOP2027

The QC reported here applies to the following samples: Method: FLORIDA-PRO

F54581-8, F54581-9, F54581-10, F54581-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	38-122%

Raw Data: OP78355.D

Method Blank Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP23531-MB	OP78355.D	1	12/21/07	KL	12/18/07	OP23531	GOP2028

The QC reported here applies to the following samples: Method: FLORIDA-PRO

F54581-8, F54581-9, F54581-10, F54581-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	89%	38-122%

9.1

9

GC Surrogate Retention Time Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GIJ1702-CC1700	Injection Date:	12/18/07
Lab File ID:	IJ44530.D	Injection Time:	19:43
Instrument ID:	GCIJ	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.57

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP23516-BS	IJ44532.D	12/18/07	20:26	5.57
OP23516-MB	IJ44533.D	12/18/07	20:48	5.57
ZZZZZZ	IJ44536.D	12/18/07	21:54	5.57
ZZZZZZ	IJ44537.D	12/18/07	22:16	5.57
ZZZZZZ	IJ44538.D	12/18/07	22:38	5.57
ZZZZZZ	IJ44539.D	12/18/07	23:00	5.57
F54581-1	IJ44540.D	12/18/07	23:22	5.57
F54581-2	IJ44541.D	12/18/07	23:44	5.57

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GIJ1702-CC1700	Injection Date:	12/19/07
Lab File ID:	IJ44542.D	Injection Time:	00:06
Instrument ID:	GCIJ	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.57

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
F54581-3	IJ44544.D	12/19/07	00:50	5.57
F54581-4	IJ44545.D	12/19/07	01:12	5.57
F54581-5	IJ44546.D	12/19/07	01:34	5.57
F54581-6	IJ44547.D	12/19/07	01:56	5.57
F54581-7	IJ44548.D	12/19/07	02:18	5.57

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GIJ1702-CC1700	Injection Date:	12/19/07
Lab File ID:	IJ44549.D	Injection Time:	02:40
Instrument ID:	GCIJ	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.57

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
ZZZZZZ	IJ44553.D	12/19/07	04:08	5.57
F54532-8	IJ44554.D	12/19/07	04:30	5.57
OP23516-MS	IJ44555.D	12/19/07	04:52	5.57
OP23516-MSD	IJ44556.D	12/19/07	05:14	5.57
GIJ1702-ECC1700	IJ44560.D	12/19/07	06:42	5.57

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

9.5

9

GC Surrogate Retention Time Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GIJ1703-CC1700	Injection Date:	12/19/07
Lab File ID:	IJ44566.D	Injection Time:	11:03
Instrument ID:	GCIJ	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.57

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP23516-BS	IJ44570.D	12/19/07	12:32	5.57
OP23516-MB	IJ44571.D	12/19/07	12:54	5.57
ZZZZZZ	IJ44573.D	12/19/07	13:43	5.57
ZZZZZZ	IJ44574.D	12/19/07	14:05	5.57
ZZZZZZ	IJ44575.D	12/19/07	14:27	5.57
ZZZZZZ	IJ44576.D	12/19/07	14:49	0.00
ZZZZZZ	IJ44577.D	12/19/07	15:11	0.00
ZZZZZZ	IJ44578.D	12/19/07	15:33	0.00

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GOP2027-CC2024	Injection Date:	12/18/07
Lab File ID:	OP78297.D	Injection Time:	20:38
Instrument ID:	GCOP	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.76

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP23531-BS	OP78299.D	12/18/07	21:23	5.76
OP23531-MB	OP78300.D	12/18/07	21:44	5.76
ZZZZZZ	OP78301.D	12/18/07	22:06	5.76
ZZZZZZ	OP78302.D	12/18/07	22:28	5.76
ZZZZZZ	OP78303.D	12/18/07	22:50	5.76
F54581-9	OP78304.D	12/18/07	23:12	5.76
F54581-10	OP78305.D	12/18/07	23:34	5.76
F54581-11	OP78306.D	12/18/07	23:56	5.76
ZZZZZZ	OP78307.D	12/19/07	00:18	5.76
ZZZZZZ	OP78308.D	12/19/07	00:40	5.76

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GOP2027-CC2024	Injection Date:	12/19/07
Lab File ID:	OP78309.D	Injection Time:	01:02
Instrument ID:	GCOP	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.76

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
ZZZZZZ	OP78311.D	12/19/07	01:46	5.76
ZZZZZZ	OP78312.D	12/19/07	02:08	5.76
ZZZZZZ	OP78313.D	12/19/07	02:30	5.76
ZZZZZZ	OP78314.D	12/19/07	02:52	5.76
F54581-8	OP78315.D	12/19/07	03:14	5.76

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

GC Surrogate Retention Time Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GOP2027-CC2024	Injection Date:	12/19/07
Lab File ID:	OP78316.D	Injection Time:	03:36
Instrument ID:	GCOP	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.76

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
ZZZZZZ	OP78319.D	12/19/07	04:42	5.76
ZZZZZZ	OP78320.D	12/19/07	05:04	5.76
F54602-3	OP78321.D	12/19/07	05:26	5.76
OP23531-MS	OP78322.D	12/19/07	05:48	5.76
OP23531-MSD	OP78323.D	12/19/07	06:10	5.76

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

9.5

9

GC Surrogate Retention Time Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GOP2027-CC2024	Injection Date:	12/19/07
Lab File ID:	OP78341.D	Injection Time:	12:30
Instrument ID:	GCOP	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.76

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP23531-BS	OP78343.D	12/19/07	13:18	5.76
OP23531-MB	OP78344.D	12/19/07	13:40	5.76
ZZZZZZ	OP78346.D	12/19/07	14:28	5.76
ZZZZZZ	OP78347.D	12/19/07	14:51	5.76
ZZZZZZ	OP78348.D	12/19/07	15:13	5.76
GOP2027-ECC2020	OP78349.D	12/19/07	15:35	5.76

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

9.5

9

GC Surrogate Retention Time Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Check Std:	GOP2028-CC2024	Injection Date:	12/21/07
Lab File ID:	OP78352.D	Injection Time:	10:31
Instrument ID:	GCOP	Method:	FLORIDA-PRO

	S1 [a] RT
Check Std	5.77

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT
OP23531-MB	OP78355.D	12/21/07	11:48	5.76
ZZZZZZ	OP78356.D	12/21/07	12:10	5.76
OP23567-BS	OP78357.D	12/21/07	12:32	5.76
OP23567-MB	OP78358.D	12/21/07	12:55	5.76
ZZZZZZ	OP78359.D	12/21/07	13:17	5.76
ZZZZZZ	OP78360.D	12/21/07	13:39	5.76
ZZZZZZ	OP78361.D	12/21/07	14:01	5.76
ZZZZZZ	OP78362.D	12/21/07	14:24	5.76
ZZZZZZ	OP78363.D	12/21/07	14:46	5.76
ZZZZZZ	OP78364.D	12/21/07	15:08	5.76

Surrogate Compounds

S1 = o-Terphenyl

(a) Retention time from GC signal #1

Raw Data: IJ44441.D IJ44442.D IJ44443.D IJ44444.D IJ44445.D IJ44446.D IJ44447.D IJ44448.D

Initial Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GIJ1700-ICC1700
Lab FileID: IJ44444.D

Response Factor Report FID 1

Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 08:09:08 2007
Response via : Initial Calibration

Calibration Files
255 =IJ44441.D 340 =IJ44442.D 680 =IJ44443.D 1020=IJ44444.D
1360=IJ44445.D 1700=IJ44446.D 2125=IJ44447.D 4250=IJ44448.D

Compound	255	340	680	1020	1360	1700	2125	4250	Avg	%RSD
1) O-TERPHENYL	3.353	3.581	3.372	3.426	3.401	3.578			3.452 E4	2.95
2) TPH (C8-C40)	3.626	3.751	3.376	3.367	3.299	3.442	3.216	3.153	3.404 E4	5.90

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

FL_PRO_F.M Mon Dec 17 09:11:30 2007

9.6

6

Raw Data: IJ44449.D

Initial Calibration Verification

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GIJ1700-ICV1700
Lab FileID: IJ44449.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\1214PRO\IJ44449.D
Acq On : 14 Dec 2007 4:05 pm
Sample : icv1700-1020
Misc : op23444,gij1700,30.0,,,1,1,soil
IntFile : events.e

Vial: 13
Operator: kismetl
Inst : FID 1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 08:09:08 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL		----------NA----------				
2 H	TPH (C8-C40)	1020.000	1143.446	-12.1	113	0.00	2.51-11.79

(#) = Out of Range
IJ44444.D FL_PRO_F.M

SPCC's out = 0 CCC's out = 0
Mon Dec 17 09:09:08 2007

9.6

Raw Data: IJ44530.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GIJ1702-CC1700
Lab FileID: IJ44530.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\1218PRO\IJ44530.D
Acq On : 18 Dec 2007 7:43 pm
Sample : cc1700-1020
Misc : op23496,gij1702,1050,,,1,4,water
IntFile : events.e

Vial: 23
Operator: kismetl
Inst : FID 1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Dec 19 07:46:13 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	65.110	-8.5	109	0.00	5.51- 5.62
2 H	TPH (C8-C40)	1020.000	1152.125	-13.0	114	0.00	2.51-11.79

(#) = Out of Range
IJ44444.D FL_PRO_F.M

SPCC's out = 0 CCC's out = 0
Wed Dec 19 08:24:49 2007

9.6

Raw Data: IJ44542.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GIJ1702-CC1700
Lab FileID: IJ44542.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\1218PRO\IJ44542.D
Acq On : 19 Dec 2007 12:06 am
Sample : cc1700-1020
Misc : op23516,gij1702,1050,,,1,1,water
IntFile : events.e

Vial: 40
Operator: kismetl
Inst : FID 1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Dec 19 07:46:13 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	68.975	-15.0	116	0.00	5.51- 5.62
2 H	TPH (C8-C40)	1020.000	1148.239	-12.6	114	0.00	2.51-11.79

(#) = Out of Range
IJ44444.D FL_PRO_F.M

SPCC's out = 0 CCC's out = 0
Wed Dec 19 08:24:49 2007

9.6

Raw Data: IJ44549.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GIJ1702-CC1700
Lab FileID: IJ44549.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\1218PRO\IJ44549.D          Vial: 46
Acq On    : 19 Dec 2007   2:40 am                    Operator: kismetl
Sample    : cc1700-1020                              Inst    : FID 1
Misc      : op23516,gij1702,1030,,,1,1,water         Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Dec 19 07:46:13 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	57.968	3.4	97	0.00	5.51- 5.62
2 H	TPH (C8-C40)	1020.000	956.836	6.2	95	0.00	2.51-11.79

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ44444.D FL_PRO_F.M Wed Dec 19 08:24:50 2007

9.6

9

F54581 ACCUTEST Laboratories

Raw Data: IJ44560.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GIJ1702-ECC1700
Lab FileID: IJ44560.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\1\DATA\1218PRO\IJ44560.D          Vial: 56
Acq On    : 19 Dec 2007   6:42 am                    Operator: kismetl
Sample    : ecc1700-1020                             Inst    : FID 1
Misc      : op23516,gij1702,1050,,,1,4,water         Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Wed Dec 19 07:46:13 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	65.979	-10.0	111	0.00	5.51- 5.62
2 H	TPH (C8-C40)	1020.000	1178.448	-15.5	117	0.00	2.51-11.79

(#) = Out of Range SPCC's out = 0 CCC's out = 0
IJ44444.D FL_PRO_F.M Wed Dec 19 08:24:50 2007

9.6

9

Raw Data: IJ44566.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GIJ1703-CC1700
Lab FileID: IJ44566.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\1219PRO\IJ44566.D
Acq On : 19 Dec 2007 11:03 am
Sample : cc1700-1020
Misc : op23516,gij1703,1000,,,1,1,water
IntFile : events.e

Vial: 3
Operator: kismetl
Inst : FID 1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Dec 19 07:46:13 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	61.748	-2.9	104	0.00	5.51- 5.62
2 H	TPH (C8-C40)	1020.000	1011.290	0.9	100	0.00	2.51-11.79

(#) = Out of Range
IJ44444.D FL_PRO_F.M

SPCC's out = 0 CCC's out = 0
Thu Dec 20 07:29:12 2007

9.6

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GIJ1703-CC1700
Lab FileID: IJ44567.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\1219PRO\IJ44567.D
Acq On : 19 Dec 2007 11:25 am
Sample : cc1700-340
Misc : op23516,gij1703,1000,,,1,1,water
IntFile : events.e

Vial: 4
Operator: kismetl
Inst : FID 1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Dec 19 07:46:13 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	20.000	18.734	6.3	90	0.00	5.51- 5.62
2 H	TPH (C8-C40)	340.000	323.684	4.8	86	0.00	2.51-11.79

(#) = Out of Range
IJ44442.D FL_PRO_F.M

SPCC's out = 0 CCC's out = 0
Thu Dec 20 07:29:43 2007

9.6

Raw Data: IJ44579.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GIJ1703-CC1700
Lab FileID: IJ44579.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\1219PRO\IJ44579.D
Acq On : 19 Dec 2007 3:56 pm
Sample : cc1700-1020
Misc : op23516,gij1703,1050,,,1,200,water
IntFile : events.e

Vial: 15
Operator: kismetl
Inst : FID 1
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\FL_PRO_F.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Wed Dec 19 07:46:13 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	58.391	2.7	98	0.00	5.51- 5.62
2 H	TPH (C8-C40)	1020.000	953.812	6.5	95	0.00	2.51-11.79

(#) = Out of Range
IJ44444.D FL_PRO_F.M

SPCC's out = 0 CCC's out = 0
Thu Dec 20 07:29:12 2007

9.6

Initial Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2024-ICC2024
Lab FileID: OP78116.D

Response Factor Report FID 2

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Thu Dec 13 12:40:28 2007
Response via : Initial Calibration

Calibration Files
255 =OP78107.D 340 =OP78108.D 680 =OP78109.D 1020=OP78116.D
1360=OP78111.D 1700=OP78112.D 2125=OP78113.D 4250=OP78114.D

Compound	255	340	680	1020	1360	1700	2125	4250	Avg	%RSD
1) O-TERPHENYL	2.769	2.685	2.712	2.785	2.677	2.733			2.727 E4	1.60
2) TPH (C8-C40)	2.678	2.603	2.575	2.628	2.512	2.562	2.498	2.361	2.552 E4	3.80

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

FL_PRO_R.M Fri Dec 14 09:14:53 2007

9.6

Raw Data: OP78117.D

Initial Calibration Verification

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2024-ICV2024
Lab FileID: OP78117.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\1213PRO\OP78117.D          Vial: 11
Acq On    : 13 Dec 2007  12:35 pm                   Operator: kismetl
Sample    : icv2024-1020                            Inst    : FID 2
Misc      : op23435,gop2024,1000,,,1,1,water        Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Thu Dec 13 12:40:28 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL		----------NA----------				
2 H	TPH (C8-C40)	1020.000	992.266	2.7	94	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Fri Dec 14 09:14:15 2007

9.6

Raw Data: OP78297.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2027-CC2024
Lab FileID: OP78297.D

Evaluate Continuing Calibration Report

```
Data File : C:\HPCHEM\2\DATA\1218PRO\OP78297.D          Vial: 26
Acq On    : 18 Dec 2007   8:38 pm                    Operator: kismetl
Sample    : cc2024-1020                              Inst    : FID 2
Misc      : op23526,gop2027,30.0,,,1,4,soil          Multiplr: 1.00
IntFile   : events.e

Method       : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title        : TPH by FL_PRO
Last Update  : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%
```

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	57.318	4.5	94	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	972.241	4.7	93	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Wed Dec 19 07:33:22 2007

9.6

9

Raw Data: OP78309.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2027-CC2024
Lab FileID: OP78309.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1218PRO\OP78309.D
Acq On : 19 Dec 2007 1:02 am
Sample : cc2024-1020
Misc : op23531,gop2027,1040,,,1,1,water
IntFile : events.e

Vial: 42
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	57.288	4.5	93	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	978.258	4.1	93	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Wed Dec 19 07:33:23 2007

9.6

9

Raw Data: OP78316.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2027-CC2024
Lab FileID: OP78316.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1218PRO\OP78316.D
Acq On : 19 Dec 2007 3:36 am
Sample : cc2024-1020
Misc : op23531,gop2027,1020,,,1,1,water
IntFile : events.e

Vial: 42
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	56.845	5.3	93	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	967.634	5.1	92	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Wed Dec 19 07:33:23 2007

9.6

9

Raw Data: OP78317.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2027-CC2024
Lab FileID: OP78317.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1218PRO\OP78317.D
Acq On : 19 Dec 2007 3:58 am
Sample : cc2024-340
Misc : op23531,gop2027,1020,,,1,1,water
IntFile : events.e

Vial: 100
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	20.000	18.210	8.9	92	0.00	5.69- 5.85
2 H	TPH (C8-C40)	340.000	318.922	6.2	92	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78108.D FL_PRO_R.M Wed Dec 19 07:32:43 2007

9.6

9

Raw Data: OP78328.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2027-CC2024
Lab FileID: OP78328.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1218PRO\OP78328.D
Acq On : 19 Dec 2007 8:01 am
Sample : cc2024-1020
Misc : op23531,gop2027,1040,,,1,100,water
IntFile : events.e

Vial: 58
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	56.476	5.9	92	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	959.965	5.9	91	0.00	2.17-10.90

(#) = Out of Range
OP78116.D FL_PRO_R.M

SPCC's out = 0 CCC's out = 0
Wed Dec 19 13:02:12 2007

9.6

Raw Data: OP78341.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2027-CC2024
Lab FileID: OP78341.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1218PRO\OP78341.D
Acq On : 19 Dec 2007 12:30 pm
Sample : cc2024-1020
Misc : op23526,gop2027,30.8,,,1,20,soil
IntFile : events.e

Vial: 67
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	55.206	8.0	90	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	941.871	7.7	90	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Thu Dec 20 07:58:58 2007

9.6

Raw Data: OP78349.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2027-ECC2024
Lab FileID: OP78349.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1218PRO\OP78349.D
Acq On : 19 Dec 2007 3:35 pm
Sample : ecc2024-1020
Misc : op23531,gop2027,1040,,,1,10,water
IntFile : events.e

Vial: 74
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	54.209	9.7	88	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	920.366	9.8	88	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Thu Dec 20 07:09:16 2007

9.6

9

Raw Data: OP78352.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2028-CC2024
Lab FileID: OP78352.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1221PRO\OP78352.D
Acq On : 21 Dec 2007 10:31 am
Sample : cc2024-1020
Misc : op23531,gop2028,1000,,,1,1,water
IntFile : events.e

Vial: 3
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	58.790	2.0	96	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	1038.858	-1.8	99	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78116.D FL_PRO_R.M Mon Dec 24 08:17:44 2007

9.6

9

F54581 ACCUTEST Laboratories

Raw Data: OP78353.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2028-CC2024
Lab FileID: OP78353.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1221PRO\OP78353.D
Acq On : 21 Dec 2007 10:53 am
Sample : cc2024-340
Misc : op23531,gop2028,1000,,,1,1,water
IntFile : events.e

Vial: 4
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	20.000	19.442	2.8	99	0.00	5.69- 5.85
2 H	TPH (C8-C40)	340.000	358.168	-5.3	103	0.00	2.17-10.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
OP78108.D FL_PRO_R.M Mon Dec 24 08:19:05 2007

9.6

ACCUTEST Laboratories
F54581

Raw Data: OP78365.D

Continuing Calibration Summary

Job Number: F54581
Account: TETRFLTA Tetra-Tech NUS
Project: NAS Pensacola (CTO# 225)Site 1120 OLF Bronson

Sample: GOP2028-CC2024
Lab FileID: OP78365.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\2\DATA\1221PRO\OP78365.D
Acq On : 21 Dec 2007 3:31 pm
Sample : cc2024-1020
Misc : op23567,gop2028,1030,,,1,1,water
IntFile : events.e

Vial: 15
Operator: kismetl
Inst : FID 2
Multiplr: 1.00

Method : C:\HPCHEM\2\METHODS\FL_PRO_R.M (Chemstation Integrator)
Title : TPH by FL_PRO
Last Update : Mon Dec 17 07:09:00 2007
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1 S	O-TERPHENYL	60.000	60.748	-1.2	99	0.00	5.69- 5.85
2 H	TPH (C8-C40)	1020.000	1072.062	-5.1	102	0.00	2.17-10.90

(#) = Out of Range
OP78116.D FL_PRO_R.M

SPCC's out = 0 CCC's out = 0
Mon Dec 24 08:17:44 2007

9.6

9