

**FINAL SOIL CONTAMINATION REPORT
FOR
CAMPBELL STREET FUEL FARM**

NCDENR Incident Number: Pending
Marine Corps Base
Camp Lejeune, North Carolina

June 21, 2007

Prepared for:

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Prepared by:



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FINAL SOIL CONTAMINATION REPORT

A. Site Identification

DATE OF REPORT: June 21, 2007

Facility I.D.: N/A

NCDENR Incident Number: Pending

Site Name: Campbell Street Fuel Farm (CSFF)

Site Location: Marine Corps Air Station New River, North Carolina

Nearest City/Town: Jacksonville

County: Onslow

Tank Owner: Commanding Officer – MCB Camp Lejeune

I&E/EMD/EQB

PSC Box 20004

Address: MCB Camp Lejeune, NC 28542-0004

Phone: (910) 451-5068

Tank Operator: Same as above

Address: Same as above

Phone: Same as above

Property Owner: Same as above

Address: Same as above

Phone: Same as above

Property Occupant: Marine Corps Personnel – MCAS Fuel Operations

Address: MCAS New River, NC

Phone: None

Consultant/Contractor: Osage of Virginia, Inc.

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Release Information

Date Discovered: November 27, 2006

Latitude:

34° 43' 13" N

Longitude:

77° 27' 09" W

Estimated Quantity of Release: 75 gallons of a fuel/water mixture

Cause of Release: Release to ground surface from manhole that is connected to an oil/water separator at the fuel farm facility.

Source of Release (Piping/AST): Piping

Sizes and contents of AST system(s) from which the release occurred: The release occurred from a manhole that receives stormwater from secondary containment berm for the tanks and piping station at the CSFF. There are four 215,500 gallon capacity ASTs and associated piping that contain JP-5 fuel at the fuel farm.



I, Nicole L. Hall a Professional Engineer for Sovereign Consulting Inc., do certify that the information contained in this report is correct and accurate to the best of my knowledge.

B. Site History

The Campbell Street Fuel Farm is located at the intersection of Campbell and White Streets aboard MCAS New River, Jacksonville, North Carolina. The Campbell Street Fuel Farm is an active fuel storage facility. Four 215,000-gallon steel aboveground storage tanks hold JP-5 jet fuel that is pumped to the tarmac helicopter refueling station via an underground delivery line. This underground line runs from the fuel farm along White Street and then out onto the flightline. The CSFF area is also a NCDENR/DWM/UST incident, #23297, which is currently under a groundwater monitoring program. The UST incident is classified as an intermediate risk site with industrial/commercial land use.

On November 27, 2006, at approximately 0730, CSFF personnel were draining standing water from the bermed areas of the fuel farm, including the fuel tanks and piping areas. Water is drained from the bermed areas into a manhole through a 6" diameter pipe. The water then drains from the manhole through a 4" pipe into the site's oil/water separator. The 4" pipe could not handle the incoming flow from the larger 6" pipe, and as a result, approximately 75 gallons of fuel/water was released out of the top of the manhole. The release contaminated an area around the manhole measuring approximately 12 feet by 60 feet. The discharge lasted an estimated 30 minutes before it was discovered by personnel. They immediately stopped the drainage and reported the release to the appropriate Base and Station first responders.

C. Site Investigation

Field personnel initially mobilized to the site on November 29, 2006 to perform an excavation of the affected soils. Osage and Sovereign coordinated the response, and P&F Environmental executed the field work. The horizontal excavation limits corresponded to an area where ground surface appeared visually stained. Vertically, the excavation was extended to a depth of approximately 18 inches below ground surface (bgs). The resultant excavation measured approximately 15 feet by 70 feet as shown on Figure 3. Approximately 72.6 tons of petroleum impacted soils were removed from the release area.

Upon completion of the initial excavation on November 30, 2006, 16 soil samples were collected from the sidewalls of the excavation. All samples were taken at a general depth of 18 inches. The soil samples were packed in pre-labeled jars, stored on ice, and shipped to Accutest Laboratories (Accutest) in Orlando, Florida (NC Lab Certification #573). The laboratory analyzed the samples for total petroleum hydrocarbons per EPA Methods 5030 (TPH-GRO) and 3550 (TPH-DRO).

Five of the 16 soil samples (CSFF-SS-001, 002, 004, 013, and 014) as shown on Figure 3 contained TPH-DRO concentrations above applicable NCDENR action levels. As a result, further soil excavation was deemed necessary. A second excavation was completed on February 8, 2007. Additional soil was removed in the locations of the five soil samples. A total of 45.75 tons of petroleum impacted soil was further excavated.

Five confirmation soil samples (CSFF-SS-01A, 02A, 04A, 013A, and 014A) were taken and sent for laboratory analysis. All samples were acquired from a general depth of 18 inches. Again, the soil samples were packed in pre-labeled jars, stored on ice, and shipped to SGS/Paradigm

Analytical Laboratories Inc. (SGS) in Wilmington, North Carolina (NC Lab Certification #481). The laboratory analyzed the samples for volatile organic compounds, semi-volatile organic compounds, and volatile and extractable petroleum hydrocarbons via EPA Methods 8260, 8270, and the Massachusetts Department of Environmental Protection (MADEP) Methods, respectively. Semi-volatile compounds were found in soil samples CSFF-SS-01A, 02A, 013A, and 014A; therefore, a third and final attempt was made to remove soil contaminants from the offending locations.

The third excavation was conducted on March 1, 2007. An additional 35.55 tons of petroleum impacted soil was removed. Confirmation samples (CSFF-SS-001/002B, 003/004B, and 013/014B) were again taken and sent to SGS for analysis. Acetone and 2-butanone were detected in each of the soil samples, but at concentrations below the soil-to-groundwater (STGW) maximum soil contaminant concentrations (MSCCs).

Semi-volatile compounds were also detected in the three soil samples. Soil sample 001/002B contained anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, bis(2-ethylhexyl)phthalate, chrysene, fluoranthene, indeno(1,2,3-c,d)pyrene, phenanthrene, and pyrene. Only benzo[a]pyrene (0.505 mg/kg) was present in the soil sample above the STGW (0.091 mg/kg) and residential (0.088 mg/kg) MSCCs, but below the industrial/commercial (I/C) MSCC (0.78 mg/kg). Benzo[a]anthracene was detected in the sample at a concentration of 0.337 mg/kg, which is just below the most stringent MSCC (STGW) of 0.34 mg/kg. The other ten detected compounds were present at concentrations well below the lowest of their applicable STGW or residential MSCCs.

Soil sample 003/004B contained one semi-volatile compound, benzo[g,h,i]perylene, at a concentration of 0.127 mg/kg. The STGW and residential MSCCs are 6,700 mg/kg and 469 mg/kg, respectively. The detected concentration was well below both values.

There were ten semi-volatiles detected in soil sample 013/014B - anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, bis(2-ethylhexyl)phthalate, chrysene, fluoranthene, phenanthrene, and pyrene. Eight of the ten compounds were detected at concentrations below the lowest of their applicable STGW or residential MSCCs. The remaining two compounds (benzo[a]anthracene and benzo[a]pyrene) were detected at concentrations above their lowest MSCC. Soil sample 013/014B exhibited benzo[a]anthracene at a concentration of 0.369 mg/kg, which is above the STGW MSCC of 0.34 mg/kg and below the residential (0.88 mg/kg) and I/C (8 mg/kg) MSCCs. The sample also contained benzo[a]pyrene at a concentration of 0.277J mg/kg. This estimated value is above the STGW (0.091 mg/kg) and residential (0.088 mg/kg) MSCCs, but below the I/C (0.78 mg/kg) MSCC.

MADEP constituents were detected in samples 001/002B and 013/014B. Soil sample 001/002B contained C₁₉-C₃₆ Aliphatics and C₉-C₂₂ Aromatics at 11 mg/kg and <21 mg/kg, respectively. These values are below the STGW, residential, and industrial/commercial MSCCs. Sample 013/014b also had C₁₉-C₃₆ Aliphatics at a concentration of 16 mg/kg. This is much less than the residential MSCC of 93,860 mg/kg. There is no established STGW MSCC as this compound is considered immobile.

All laboratory results are summarized in Tables 5-7, and the analytical reports can be found in Appendix A. The locations of the confirmation soil samples are shown on Figures 4A, 4B, and 4C.

A final total of 153.90 tons of petroleum contaminated soil was excavated from the release area. During each removal event, the excavated soil was immediately loaded and transported for disposal at Speights Chapel Rd Landfill NC Permit #SR0500106. Soil disposal manifests are included in Appendix C. Groundwater samples were not collected as part of this response action. Groundwater was not encountered during any of the field activities. Groundwater monitoring wells, however, exist at the site and are associated with the UST incident. Figure 2 shows the site area. Sovereign maintains the UST remediation site, and, as of the preparation of this report, there has been no measurable free product detected at any site monitoring well in the vicinity of the November 2006 release. Note that free product was detected during the period in monitoring well USTCSFF-MW13; however, this well is upgradient of the release site and product was present before the incident occurred. Tables 8-9 summarize the gauging data for the site during the 2006-2007 monitoring period. Finally, the excavation was backfilled and resodded on April 3, 2007. Photographs of the response actions are included in Appendix B.

TABLE 1
SUMMARY OF ABOVE GROUND STORAGE TANK CONSTRUCTION INFORMATION
Campbell Street Fuel Farm

AST ID Number	Product Type	Capacity (gallons)	Date Installed	Date Permanently Closed (P) or Still in Use (C)	Release Associated with AST System? (Yes/No)
1	JP-5	215,500	1985	C	Yes ¹
2	JP-5	215,500	1985	C	Yes ¹
3	JP-5	215,500	1985	C	Yes ¹
4	JP-5	215,500	1985	C	Yes ¹

¹ NOTE – Release occurred as a result of an overflow from a manhole that receives stormwater from secondary containment berm of the tanks and piping station.

TABLE 2
SUMMARY OF ABOVE GROUND STORAGE TANK OWNERSHIP DATA
Campbell Street Fuel Farm

AST ID Number	Name of Owner or Operator	Dates of Ownership/Operation	Owner or Operator?
1	Commanding Officer, MCB Camp Lejeune, North Carolina	1985 to Present	Owner
2	Commanding Officer, MCB Camp Lejeune, North Carolina	1985 to Present	Owner
3	Commanding Officer, MCB Camp Lejeune, North Carolina	1985 to Present	Owner
4	Commanding Officer, MCB Camp Lejeune, North Carolina	1985 to Present	Owner

TABLE 3
SUMMARY OF SOIL SAMPLING RESULTS
Incident Number and Name: Incident # Pending, Campbell Street Fuel Farm, November 2006
Surface Release

Analytical Method: EPA Method 5030 and 3550

Sample ID (sidewall samples)	Contaminant of Concern →		TPH-GRO	TPH-DRO
	Date Collected (mm/dd/yy)	Sample Depth (ft BGS)		
CSFF-SS-001	11/30/2006	1.5	ND	80.5
CSFF-SS-002	11/30/2006	1.5	ND	98.1
CSFF-SS-003	11/30/2006	1.5	ND	16.9
CSFF-SS-004	11/30/2006	1.5	ND	118
CSFF-SS-005	11/30/2006	1.5	ND	16.1
CSFF-SS-006	11/30/2006	1.5	ND	15.1
CSFF-SS-007	11/30/2006	1.5	ND	9.32
CSFF-SS-008	11/30/2006	1.5	ND	17.2
CSFF-SS-009	11/30/2006	1.5	ND	30.3
CSFF-SS-010	11/30/2006	1.5	ND	30.2
CSFF-SS-011	11/30/2006	1.5	ND	20.4
CSFF-SS-012	11/30/2006	1.5	ND	11.0
CSFF-SS-013	11/30/2006	1.5	ND	56.7
CSFF-SS-014	11/30/2006	1.5	ND	92.4
CSFF-SS-015	11/30/2006	1.5	ND	17.8
CSFF-SS-016	11/30/2006	1.5	ND	30.6
NCDENR Action Level (mg/kg)			10	40

- MSCC = maximum soil contamination concentration
- ft. BGS = feet below ground surface
- Results reported in mg/kg
- mg/kg = milligrams per kilogram
- ND = Not detected
- **BOLDED** = detected concentration
- **BOLDED** and shaded = detected concentration above NCDENR action level.
- NOTE – November 2006 samples taken after initial removal action.

TABLE 4
SUMMARY OF SOIL SAMPLING RESULTS
Incident Number and Name: Incident # Pending, Campbell Street Fuel Farm, November 2006
Surface Release

Analytical Method: EPA Method 8260

Sample ID	Contaminant of Concern →		Acetone	2-Butanone	Methylene Chloride	Toluene	All Other Compounds
	Date Collected	Sample Depth (ft BGS)					
CSFF-SS-01A	2/8/2007	1.5	0.0267J	0.00613J	<0.0216	<0.00539	BQL
CSFF-SS-02A	2/8/2007	1.5	0.0365J	0.00858J	<0.0298	<0.00746	BQL
CSFF-SS-001/002B	3/1/2007	1.5	0.0255J	0.00419J	<0.0206	0.00515	BQL
CSFF-SS-04A	2/8/2007	1.5	0.0258J	<0.0432	0.00774J	<0.00864	BQL
CSFF-SS-003/004B	3/1/2007	1.5	0.0509J	0.00817J	<0.0234	<0.00585	BQL
CSFF-SS-013A	2/8/2007	1.5	0.0163J	<0.0247	0.00352J	<0.00494	BQL
CSFF-SS-014A	2/8/2007	1.5	0.0193J	0.00340J	0.00415J	<0.00541	BQL
CSFF-SS-013/014B	3/1/2007	1.5	0.0288J	0.00389J	<0.020	<0.00501	BQL
Soil to groundwater MSCC (mg/kg)			2.8	17	0.02	7.3	Varies
Residential MSCC (mg/kg)			1,564	9,385	85	3,200	Varies
Industrial/Commercial MSCC (mg/kg)			40,880	245,280	763	82,000	Varies

- All results in mg/kg
- mg/kg = milligrams per kilogram
- MSCC = Maximum Soil Contaminant Concentration
- <# = Below quantitation limits (BQL), where # is the compound specific laboratory quantitation limit
- J = indicates an estimated value
- **BOLD** = detected concentration
- NOTE – February 2007 samples taken after the second removal action; March 2007 samples taken after the third and final removal action.

TABLE 5

SUMMARY OF SOIL SAMPLING RESULTS

Incident Number and Name: Incident # Pending, Campbell Street Fuel Farm, November 2006 Surface Release

Analytical Method: EPA Method 8270

Sample ID	Contaminant of Concern →		Acenaphthene	Anthracene	Benzo[a]anthracene	Benzo[a]pyrene	Benzo[b]fluoranthene	Benzo[g,h,i]perylene	Benzo[k]fluoranthene	Bis(2-ethylhexyl)phthalate	Chrysene	Dibenzofuran	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Phenanthrene	Pyrene
	Date Collected	Sample Depth (ft BGS)															
CSFF-SS-01A	2/8/2007	1.5	<0.370	<0.370	0.137J	0.152J	0.222J	<0.370	<0.370	0.0555J	0.159J	<0.370	0.248J	<0.370	0.111J	0.0851J	0.200J
CSFF-SS-02A	2/8/2007	1.5	<0.371	<0.371	0.0927J	0.0965J	0.137J	<0.371	<0.371	<0.371	0.115J	<0.371	0.148J	<0.371	<0.371	0.100J	0.152J
CSFF-SS-001/002B	3/1/2007	1.5	<0.366	0.0586J	0.337J	0.505	0.447	0.542	0.113J	0.113J	0.300J	<0.366	0.523	<0.366	0.648	0.216J	0.370
CSFF-SS-04A	2/8/2007	1.5	<0.477	<0.477	<0.477	<0.477	<0.477	<0.477	<0.477	<0.477	<0.477	<0.477	0.0716J	<0.477	<0.477	<0.477	<0.477
CSFF-SS-003/004B	3/1/2007	1.5	<0.424	<0.424	<0.424	<0.424	<0.424	0.127J	<0.424	<0.424	<0.424	<0.424	<0.424	<0.424	<0.424	<0.424	<0.424
CSFF-SS-013A	2/8/2007	1.5	0.416J	1.450	3.160	2.210	1.800	1.110	1.450	<0.730	2.890	0.241J	7.180	0.577J	1.420	5.790	6.600
CSFF-SS-014A	2/8/2007	1.5	0.224J	0.564	1.050	0.795	0.986	0.536	0.401	0.0674J	0.993	0.131J	2.800	0.287J	0.507	2.130	2.120
CSFF-SS-013/014B	3/1/2007	1.5	<0.330	0.0758J	0.369	0.277J	0.306J	<0.330	0.158J	0.0626J	0.376	<0.330	0.870	<0.330	<0.330	0.293J	0.699
Soil to groundwater MSCC (mg/kg)			8.2	1,000	0.34	0.091	1.2	6,700	12	5.6	38	4.7	280	44	3.3	60	290
Residential MSCC (mg/kg)			940	4,600	0.88	0.088	0.88	469	9	46	88	62	620	620	0.88	469	469
Industrial/Commercial MSCC (mg/kg)			24,000	122,000	8	0.78	8	12,264	78	410	780	1,635	16,400	16,400	8	12,264	12,264

- All results reported in mg/kg
- mg/kg = milligrams per kilogram
- MSCC = Maximum Soil Contaminant Concentration
- <# = Below quantitation limits (BQL), where # is the compound specific laboratory quantitation limit
- J = indicates an estimated value
- **BOLD** = detected concentration
- NOTE – February 2007 samples taken after the second removal action; March 2007 samples taken after the third and final removal action.

TABLE 6**SUMMARY OF SOIL SAMPLING RESULTS**

Incident Number and Name: Incident # Pending, Campbell Street Fuel Farm, November 2006 Surface Release

Analytical Method: MADEP Method VPH/EPH

Contaminant of Concern →			C ₅ -C ₈ Aliphatics	C ₉ -C ₁₂ Aliphatics	C ₉ -C ₁₀ Aromatics	C ₉ -C ₁₈ Aliphatics	C ₁₉ -C ₃₆ Aliphatics	C ₁₁ -C ₂₂ Aromatics
Sample ID	Date Collected	Sample Depth (ft BGS)						
CSFF-SS-01A	2/8/2007	1.5	<10	<10	<10	<10	19	19
CSFF-SS-02A	2/8/2007	1.5	<10	<10	<10	<10	<10	<10
CSFF-SS-001/002B	3/1/2007	1.5	<10	<10	<10	<10	11	11
CSFF-SS-04A	2/8/2007	1.5	<10	<10	<10	<10	23	12
CSFF-SS-003/004B	3/1/2007	1.5	<10	<10	<10	<10	<10	<10
CSFF-SS-013A	2/8/2007	1.5	<10	<10	<10	<10	26	14
CSFF-SS-014A	2/8/2007	1.5	<10	<10	<10	<10	14	81
CSFF-SS-013/014B	3/1/2007	1.5	<10	<10	<10	<10	16	<10

TABLE 7**SUMMARY OF SOIL SAMPLING RESULTS**

Incident Number and Name: Incident # Pending, Campbell Street Fuel Farm, November 2006 Surface Release

Analytical Method: MADEP Method VPH/EPH as compared to NCDENR MSCCs

Contaminant of Concern →			C ₅ -C ₈ Aliphatics	C ₉ -C ₁₈ Aliphatics	C ₁₉ -C ₃₆ Aliphatics	C ₉ -C ₂₂ Aromatics
Sample ID	Date Collected	Sample Depth (ft BGS)				
CSFF-SS-01A	2/8/2007	1.5	<10	<20	19	<29
CSFF-SS-02A	2/8/2007	1.5	<10	<20	<10	<20
CSFF-SS-001/002B	3/1/2007	1.5	<10	<20	11	<21
CSFF-SS-04A	2/8/2007	1.5	<10	<20	23	<22
CSFF-SS-003/004B	3/1/2007	1.5	<10	<20	<10	<20
CSFF-SS-013A	2/8/2007	1.5	<10	<20	26	<24
CSFF-SS-014A	2/8/2007	1.5	<10	<20	14	<91
CSFF-SS-013/014B	3/1/2007	1.5	<10	<20	16	<20
Soil to Groundwater MSCC (mg/kg)			72	3,300	##	34
Residential MSCC (mg/kg)			939	9,386	93,860	469
Industrial/Commercial MSCC (mg/kg)			24,528	245,280	#	12,264

- All results reported in mg/kg
- mg/kg = milligrams per kilogram
- MSCC = Maximum Soil Contaminant Concentration
- <# = less than the reporting limit
- # = Health Based Level >100%
- ## = Considered immobile
- **BOLD** = detected concentration
- NOTE - February 2007 samples taken after the second removal action; March 2007 samples taken after the third and final removal action.

TABLE 8
GROUNDWATER ELEVATION DATA – JUNE 2006 TO MAY 2007
CAMPBELL STREET FUEL FARM - INCIDENT # 23297

Monitoring Well	Top of Casing Elevation (feet)	Groundwater Elevation (feet)											
		6/5/2006	7/13/2006	8/4/2006	9/12/2006	10/4/2006	11/1/2006	12/5/2006	1/4/2007	2/2/2007	3/2/2007	4/2/2007	5/7/2007
USTCSFF-MW03	21.07	14.34	14.75	15.77	15.62	14.62	15.55	15.52	15.81	15.50	16.61	14.33	14.12
USTCSFF-MW04	21.90	13.42	13.79	14.43	14.89	13.79	13.99	14.18	14.32	14.41	14.42	13.89	13.50
USTCSFF-MW05	23.05	14.41	14.89	16.06	15.89	14.63	15.06	14.96	15.15	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW06	19.55	13.05	13.00	13.55	13.49	13.04	13.32	13.23	13.33	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW07	20.43	13.53	13.76	16.02	15.35	13.83	15.66	15.86	16.07	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW08	19.56	14.10	14.26	15.51	15.35	14.26	15.53	15.45	15.71	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW09	19.49	13.52	13.89	14.52	14.93	13.92	14.12	14.34	14.52	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW10	20.22	14.01	14.32	15.98	15.62	14.35	15.29	15.30	15.60	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW11	21.11	13.66	14.06	14.71	13.18	14.03	14.34	14.55	14.84	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW12	20.64	13.77	13.89	14.57	14.53	13.89	14.12	14.04	14.22	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW13	21.61	13.83	14.24	14.42	14.60	13.86	13.81	14.06	14.24	14.43	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW14	19.14	13.39	13.52	14.12	14.14	13.44	13.94	13.83	14.19	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW15	20.72	13.24	13.61	14.25	14.66	13.70	13.85	14.02	14.29	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW16	20.55	13.91	13.82	14.00	13.95	13.63	13.68	13.98	14.10	14.18	14.12	13.65	13.69
USTCSFF-MW17	21.70	16.01	16.25	17.50	17.25	15.80	16.79	16.95	17.43	17.69	17.75	16.30	15.64
USTAS4143-MW01	17.35	13.17	13.47	13.24	16.55	15.17	16.04	15.75	16.23	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4143-MW20	18.64	15.93	15.94	16.92	17.61	15.52	18.43	15.74	15.91	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW21	20.95	13.66	14.02	14.86	15.05	13.97	14.53	14.50	14.75	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW22	20.15	13.26	13.43	13.93	13.92	13.38	13.60	13.45	13.70	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW24	20.62	13.35	13.46	14.22	14.21	13.39	13.80	13.77	14.02	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-MW25	19.07	Not Calculated	Not Calculated	Not Calculated	Not Calculated	13.97	14.17	14.32	14.62	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4143-MW26	16.98	Not Calculated	Not Calculated	Not Calculated	Not Calculated	12.91	13.03	13.27	13.51	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-DW01	19.92	13.16	13.57	14.20	14.67	13.60	13.77	13.92	14.10	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-DW02	22.06	13.39	13.80	14.46	14.96	15.84	14.04	14.24	14.61	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-DW04	20.12	13.47	13.87	14.51	15.01	13.92	14.09	14.32	14.50	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-DW05	21.78	13.15	13.57	14.20	14.70	13.61	13.78	13.96	14.13	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTCSFF-DW06	20.94	13.11	13.52	14.12	14.39	13.54	13.68	13.83	13.99	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-DW01	21.28	18.14	13.76	14.27	14.71	13.77	13.86	14.12	14.26	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-DW01A	17.90	13.22	13.72	14.22	14.63	13.73	13.83	14.00	14.18	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-DW02	21.87	13.50	13.92	14.46	14.91	13.96	14.05	14.32	14.42	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW01	21.88	15.99	16.22	15.37	16.72	15.56	15.86	NM	16.08	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW02	21.67	15.63	15.86	16.40	16.03	15.05	15.07	15.85	16.24	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW02A	21.11	14.60	14.65	14.65	14.69	14.56	14.66	14.70	14.75	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW03	21.31	14.73	15.04	16.00	16.26	14.47	15.15	15.76	Not Calculated	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW04	18.82	16.85	15.88	16.54	16.37	15.68	16.10	15.92	17.24	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW05	17.77	13.89	13.77	14.22	14.25	13.70	14.12	14.14	14.57	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW07	17.52	14.06	14.27	14.98	14.82	14.05	14.49	14.34	14.75	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW08	20.34	13.89	13.82	14.14	15.07	13.62	13.88	13.74	13.94	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW09	18.04	13.51	13.47	13.87	13.77	13.44	13.56	13.32	13.19	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW10	20.80	14.80	14.80	15.58	15.29	14.38	15.08	15.02	15.36	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW11	20.56	14.77	14.53	15.13	14.89	14.38	14.91	14.58	14.91	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW12	20.00	14.26	14.48	15.13	14.98	14.28	14.39	14.52	14.88	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW13	19.72	14.10	14.32	15.01	14.87	14.11	14.51	14.44	14.89	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW13A	21.09	14.97	15.32	15.76	15.64	13.19	15.44	15.28	15.49	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4151-MW14	22.57	16.22	16.45	16.94	16.35	15.40	15.46	16.36	16.72	Not Calculated	Not Calculated	Not Calculated	Not Calculated
USTAS4153-RW01	18.00	14.03	14.20	14.55	14.42	13.89	14.14	13.80	13.70	Not Calculated	Not Calculated	Not Calculated	Not Calculated

Not Calculated = Well DTW not measured; either not accessible or not designated as part of gauging program; groundwater elevation not calculated.

Wells above double line are associated with the CSFF/AS143 area; wells below the double line are associated with the AS4151 area.

Data taken from Sovereign FINAL Annual Groundwater Monitoring Report 2006-2007, June 2007 for CSFF UST Incident #23297.

TABLE 9
PRODUCT THICKNESS DATA – JUNE 2006 TO MAY 2007
CAMPBELL STREET FUEL FARM - INCIDENT # 23297

Monitoring Well	Top of Casing Elevation (feet)	Product Thickness (feet)											
		6/5/2006	7/13/2006	8/4/2006	9/12/2006	10/4/2006	11/1/2006	12/5/2006	1/4/2007	2/2/2007	3/2/2007	4/2/2007	5/7/2007
USTCSFF-MW03	21.07	--	--	--	--	--	--	--	--	--	--	--	--
USTCSFF-MW04	21.90	--	--	--	--	--	--	--	--	--	--	--	--
USTCSFF-MW05	23.05	--	--	--	--	--	--	--	--	--	--	--	--
USTCSFF-MW06	19.55	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW07	20.43	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW08	19.56	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW09	19.49	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW10	20.22	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW11	21.11	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW12	20.64	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW13	21.61	0.30	0.15	0.19	0.45	0.35	0.03	0.09	0.13	0.28	NM	NM	NM
USTCSFF-MW14	19.14	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW15	20.72	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW16	20.55	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW17	21.70	--	--	--	--	--	--	--	--	--	--	--	--
USTAS143-MW01	17.35	--	--	--	--	--	--	--	--	--	--	--	--
USTCSFF-MW20	18.64	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW21	20.95	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW22	20.15	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW24	20.62	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-MW25	19.07	NM	NM	NM	NM	--	--	--	NM	NM	NM	NM	NM
USTAS143-MW26	16.98	NM	NM	NM	NM	--	--	--	NM	NM	NM	NM	NM
USTCSFF-DW01	19.92	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-DW02	22.06	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-DW04	20.12	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-DW05	21.78	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTCSFF-DW06	20.94	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-DW01	21.28	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-DW01A	17.90	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-DW02	21.87	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW01	21.88	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW02	21.67	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW02A	21.11	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW03	21.31	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW04	18.82	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW05	17.77	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW07	17.52	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW08	20.34	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW09	18.04	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW10	20.80	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW11	20.56	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW12	20.00	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW13	19.72	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW13A	21.09	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-MW14	22.57	--	--	--	--	--	--	--	NM	NM	NM	NM	NM
USTAS4151-RW01	18.00	--	--	--	--	--	--	--	NM	NM	NM	NM	NM

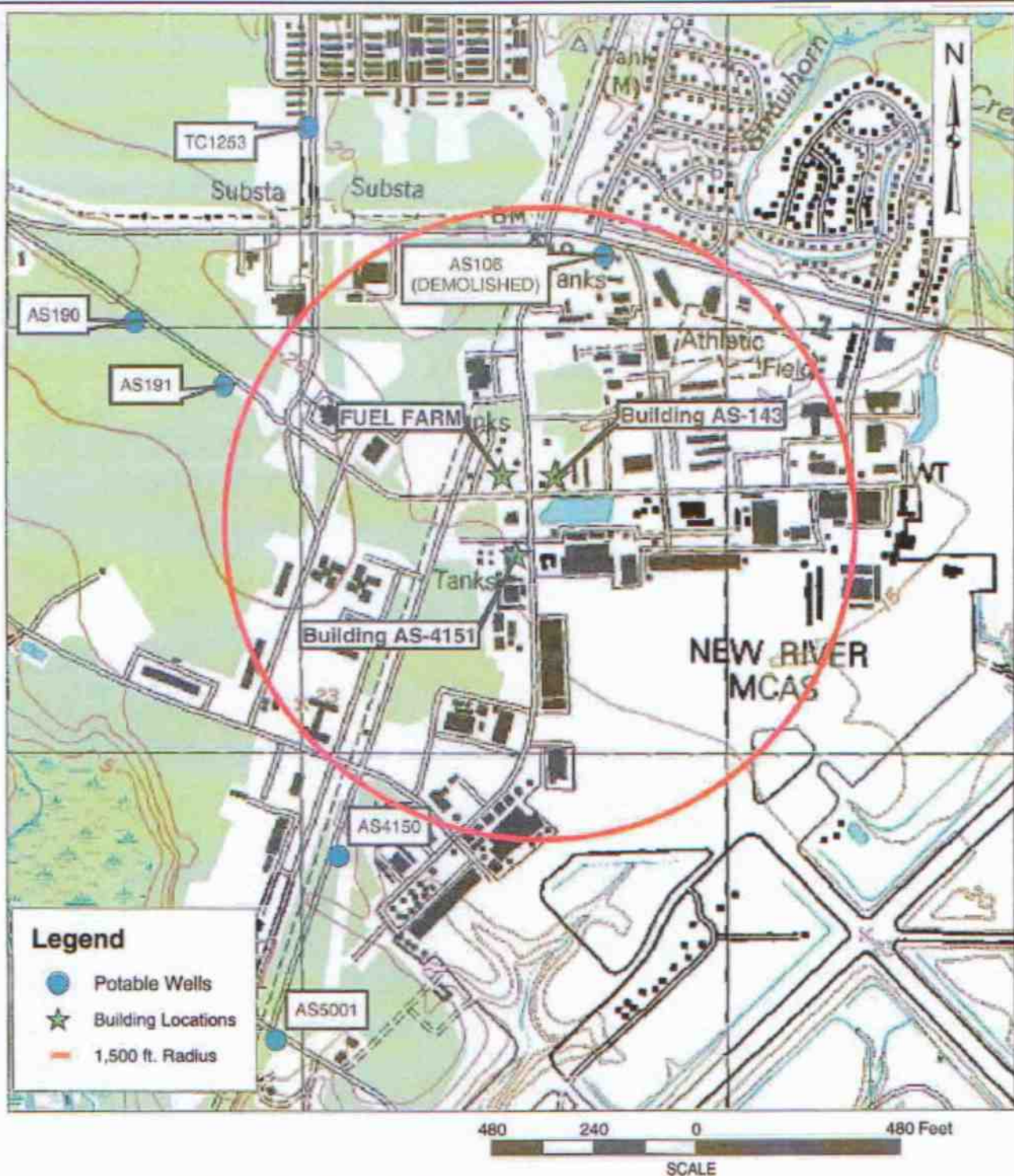
"--" = No measurable free product detected.

NM = Well not measured; either not accessible or not designated as part of gauging program; USTCSFF-MW13 area excavated in February 2007; well not yet reinstalled.

BOLD and **shaded** - measurable free product thickness.

Wells above double line are associated with the CSFF/AS143 area; wells below the double line are associated with the AS4151 area.

Data taken from Sovereign FINAL Annual Groundwater Monitoring Report 2006-2007, June 2007 for CSFF UST Incident #23297.



Source: U.S.G.S Camp Lejeune, N.C. Topographic Quadrangle



PROJECT

CAMPBELL STREET FUEL FARM
MARINE CORPS BASE
CAMP LEJEUNE, N.C.

JOB NO.

7006-0002-CSFF

DATE

JUN 2007

TITLE

GENERAL VICINITY
TOPOGRAPHIC MAP

SCALE

NTS

DRAWN BY

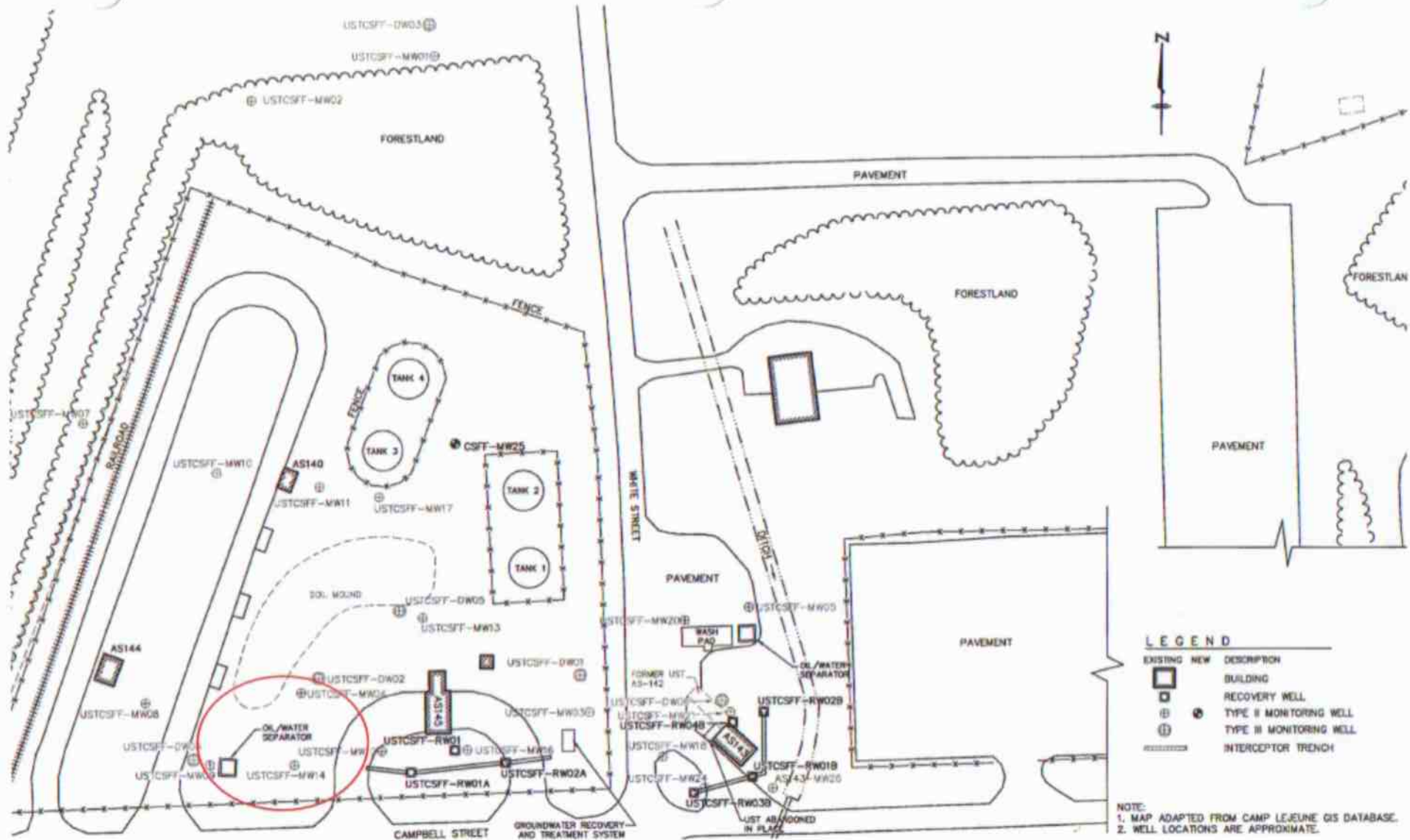
MJC

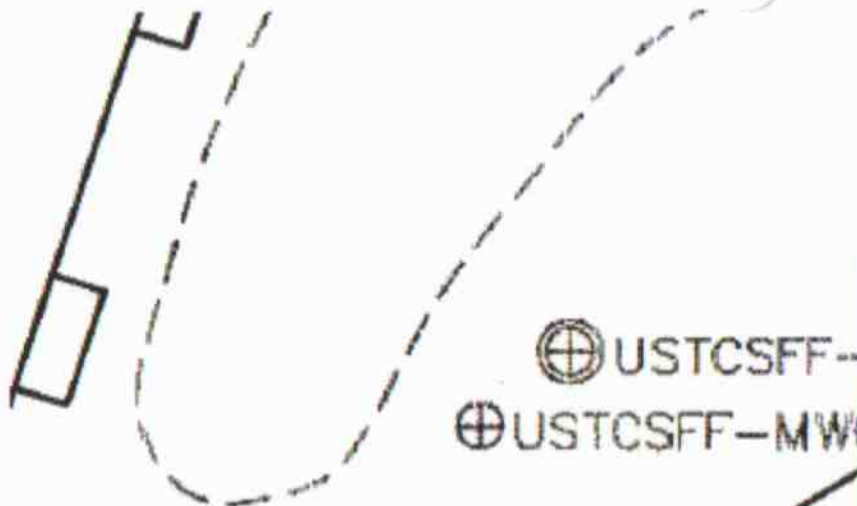
CHECKED BY

BMC

FIGURE

1





USTCSFF-MW13

TABLE 3

SUMMARY OF SOIL SAMPLING RESULTS

Incident Number and Name: Incident # Pending, Campbell Street Fuel Farm, November 2006
Surface Release

Analytical Method: EPA Method 5030 and 3550

Sample ID (sidewall samples)	Contaminant of Concern →		TOP-CORO	BPT-CORO
	Date Collected (mm-dd-yy)	Sample Depth (ft BGS)		
CSFF-SS-001	11/30/2006	1.5	ND	80.5
CSFF-SS-002	11/30/2006	1.5	ND	95.1
CSFF-SS-003	11/30/2006	1.5	ND	16.9
CSFF-SS-004	11/30/2006	1.5	ND	118
CSFF-SS-005	11/30/2006	1.5	ND	16.1
CSFF-SS-006	11/30/2006	1.5	ND	15.1
CSFF-SS-007	11/30/2006	1.5	ND	9.32
CSFF-SS-008	11/30/2006	1.5	ND	17.2
CSFF-SS-009	11/30/2006	1.5	ND	30.3
CSFF-SS-010	11/30/2006	1.5	ND	30.2
CSFF-SS-011	11/30/2006	1.5	ND	20.4
CSFF-SS-012	11/30/2006	1.5	ND	11.0
CSFF-SS-013	11/30/2006	1.5	ND	56.7
CSFF-SS-014	11/30/2006	1.5	ND	92.4
CSFF-SS-015	11/30/2006	1.5	ND	17.8
CSFF-SS-016	11/30/2006	1.5	ND	30.6
NCDENR Action Level (mg/kg)			10	40

- MISC = maximum soil contamination concentration
- ft. BGS = feet below ground surface
- Results reported in mg/kg
- mg/kg = milligrams per kilogram
- ND = Not detected
- **BOLDED** = detected concentration
- **BOLDED and shaded** = detected concentration above NCDENR action level.
- NOTE - November 2006 samples taken after initial removal action.

LEGEND:
SAMPLE LOCATIONS= ●
30NOV2006
EXCAVATION LOC= ▨

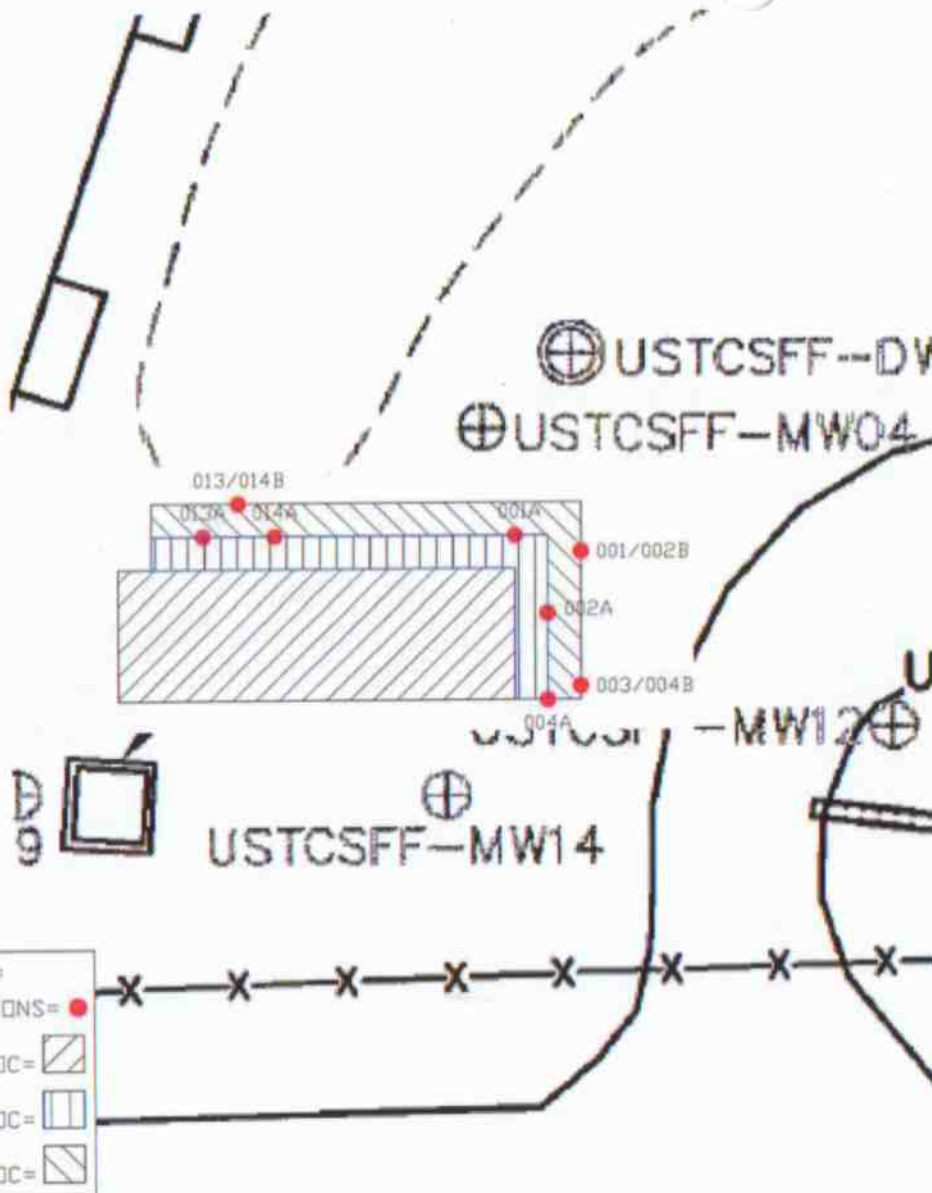
CAMPBELL STREET



PROJECT
CAMPBELL STREET FUEL FARM
MARINE CORPS BASE
CAMP LEJEUNE, N.C.
JOB NO.
7006-0002-CSFF
DATE
JUN 2006

TITLE
SITE MAP WITH 30NOV2006
EXCAVATION LOCATION
WITH EPA METHOD 5030 & 3550 TABLE
SCALE
NTS
DRAWN BY
MJC
CHECKED BY
BMC

FIGURE
3



USTCSFF-MW13

TABLE 4

SUMMARY OF SOIL SAMPLING RESULTS

Incident Number and Name: Incident # Pending, Campbell Street Fuel Farm, November 2006
Surface Release

Analytical Method: EPA Method 8260

Sample ID	Contaminant of Concern		Acetone	2-Butanone	Methylene Chloride	Toluene	All Other Compounds
	Date Collected	Sample Depth (ft BGS)					
CSFF-SS-01A	2/8/2007	1.5	0.0267J	0.00613J	<0.0216	<0.00539	BQL
CSFF-SS-02A	2/8/2007	1.5	0.0365J	0.00858J	<0.0298	<0.00746	BQL
CSFF-SS-001/002B	3/1/2007	1.5	0.0255J	0.00419J	<0.0206	0.00515	BQL
CSFF-SS-04A	2/8/2007	1.5	0.0258J	<0.0432	0.00774J	<0.00864	BQL
CSFF-SS-003/004B	3/1/2007	1.5	0.0509J	0.00817J	<0.0234	<0.00585	BQL
CSFF-SS-013A	2/8/2007	1.5	0.0163J	<0.0247	0.00352J	<0.00494	BQL
CSFF-SS-014A	2/8/2007	1.5	0.0193J	0.00340J	0.00415J	<0.00541	BQL
CSFF-SS-013/014B	3/1/2007	1.5	0.0288J	0.00389J	<0.020	<0.00501	BQL
Soil to groundwater MSCC (mg/kg)			2.8	17	0.02	7.3	Varies
Residential MSCC (mg/kg)			1,564	9,385	85	3,200	Varies
Industrial/Commercial MSCC (mg/kg)			40,880	245,280	763	\$2,000	Varies

- All results in mg/kg
- mg/kg = milligrams per kilogram
- MSCC = Maximum Soil Contaminant Concentration
- <# = Below quantitation limits (BQL), where # is the compound specific laboratory quantitation limit
- J = indicates an estimated value
- BOLD = detected concentration
- NOTE - February 2007 samples taken after the second removal action, March 2007 samples taken after the third and final removal action.

CAMPBELL STREET



PROJECT

CAMPBELL STREET FUEL FARM
MARINE CORPS BASE
CAMP LEJEUNE, N.C.

JOB NO.

7006-0002-CSFF

DATE

JUN 2006

TITLE

SITE MAP WITH 08FEB2007 & 01MAR2007
EXCAVATION LOCATIONS
WITH EPA METHOD 8260 TABLE

SCALE

NTS

DRAWN BY

MJC

CHECKED BY

BMC

FIGURE

4A



TABLE 5

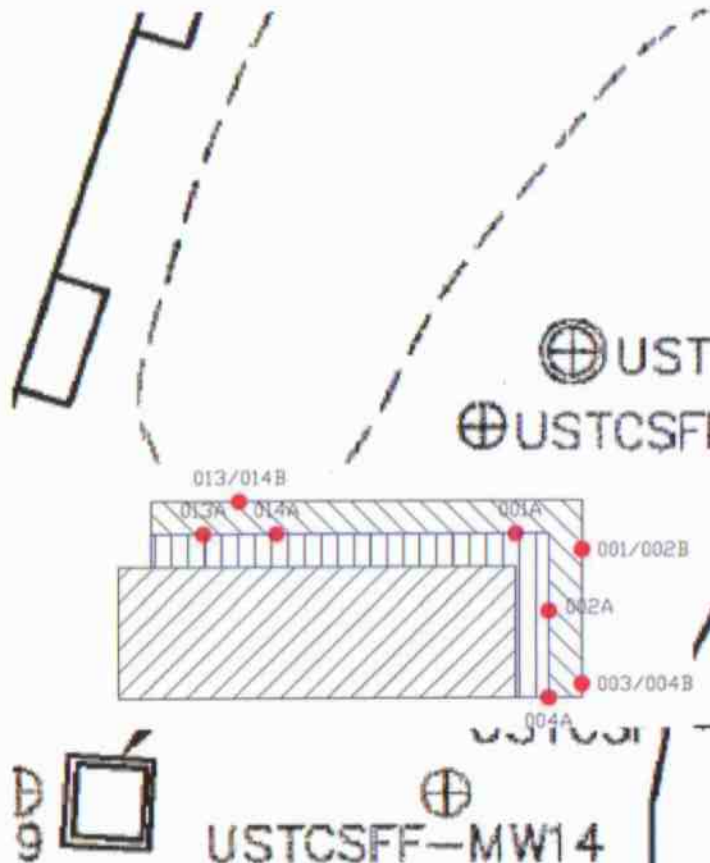
SUMMARY OF SOIL SAMPLING RESULTS

Incident Number and Name: Incident # Pending, Campbell Street Fuel Farm, November 2006 Surface Release

Analytical Method: EPA Method 8270

Sample ID	Contaminant of Concern -9		Acetylnaphthalene	Anthracene	Benz[a]fluoranthene	Benzo[a]pyrene	Benz[b]fluoranthene	Benz[k]fluoranthene	Bis(2-ethylhexyl)phthalate	Chrysene	Dibenzofuran	Fluorene	Indeno[1,2,3-c,d]pyrene	Mazodifluorene	Perylene		
	Date Collected	Single Bush (N BG)															
CSPF-55-01A	2/8/2007	1.5	-0.370	-0.370	0.1372	0.1823	0.2222	-0.370	-0.370	0.00663	0.1892	-0.370	0.2083	-0.370	0.1112	0.06513	0.2003
CSPF-55-02A	2/8/2007	1.5	-0.371	-0.371	0.09273	0.09663	0.1372	-0.371	-0.371	-0.371	0.1152	-0.371	0.1482	-0.371	-0.371	0.1003	0.1823
CSPF-55-03/002B	3/1/2007	1.5	-0.366	0.08947	0.3372	0.595	0.447	0.542	0.1133	0.1133	0.3002	-0.366	0.823	-0.366	0.648	0.2163	0.370
CSPF-55-04A	2/8/2007	1.5	-0.477	-0.477	-0.477	-0.477	-0.477	-0.477	-0.477	-0.477	-0.477	-0.477	0.07163	-0.477	-0.477	-0.477	-0.477
CSPF-55-05/004B	3/1/2007	1.5	-0.424	-0.424	-0.424	-0.424	-0.424	0.1272	-0.424	-0.424	-0.424	-0.424	-0.424	-0.424	-0.424	-0.424	-0.424
CSPF-55-013A	2/8/2007	1.5	0.4167	1.489	3.168	2.218	3.800	3.118	1.450	-0.730	2.890	0.2413	7.180	0.8773	1.620	5.790	0.600
CSPF-55-014A	2/8/2007	1.5	0.2243	0.864	1.850	0.795	0.956	0.536	0.401	0.06742	0.993	0.1312	2.890	0.2573	0.097	2.130	2.120
CSPF-55-013/014B	3/1/2007	1.5	-0.330	0.07503	0.369	0.2772	0.3963	-0.330	0.1583	0.06263	0.376	-0.330	0.870	-0.330	-0.330	0.2933	0.699
Soil to groundwater MSCC (mg/kg)			8.2	1,000	0.34	0.091	1.2	6,700	12	3.8	38	4.7	280	44	3.3	60	290
Residential MSCC (mg/kg)			940	4,600	0.88	0.058	0.88	469	9	45	88	62	620	620	0.88	469	469
Industrial/Commercial MSCC (mg/kg)			24,000	122,000	8	0.78	8	12,264	78	410	780	1,635	16,400	16,400	8	12,264	12,264

- All results reported in ug/kg
 - ug/kg = milligrams per kilogram
 - MSEC = Maximum Soil Contaminant Concentration
 - *B = Below quantitation limit (BQL), where # is the compound specific laboratory quantitation limit
 - J = indicates an estimated value
 - **BOLD** = detected concentration
- NOTE** – February 2007 samples taken after the second reversal action. March 2007 samples taken after the third and final reversal action.



LEGEND:

SAMPLE LOCATIONS= ●

30NOV2006 EXCAVATION LOC= 

08FEB2007 EXCAVATION LOC= 

01MAR2007 EXCAVATION LOC= 

CAMPBELL STREET



PROJECT

CAMPBELL STREET FUEL FARM
MARINE CORPS BASE
CAMP LEJEUNE, N.C.

TITLE

SITE MAP WITH 08FEB2007 & 01MAR2007
EXCAVATION LOCATIONS
WITH EPA METHOD 8270 TABLE

JOH NO.	
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7006-0002-CSFF

DATE _____

JUN 2006

SCALE

NTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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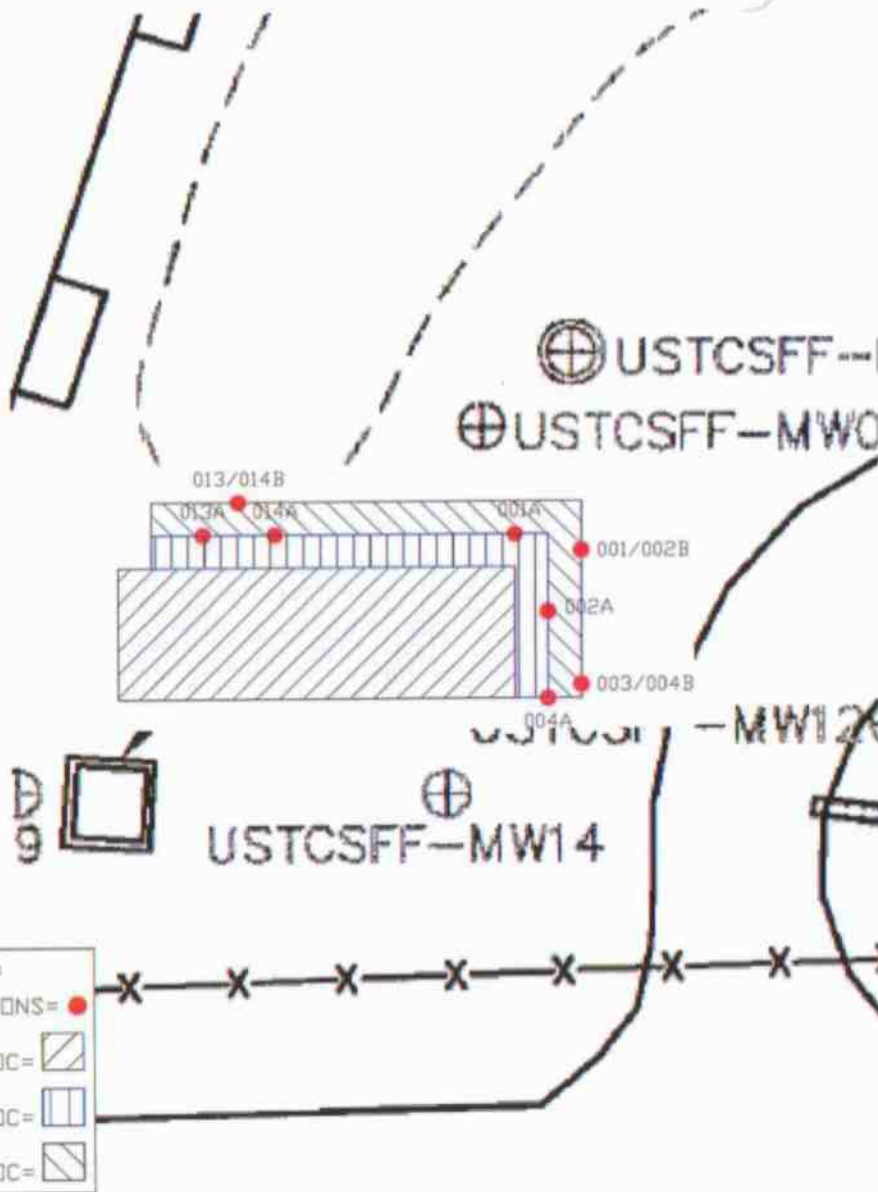
MJC

CHECKED BY
--

BMC

FIGURE

4B



USTCSFF-MW13

TABLE 7

SUMMARY OF SOIL SAMPLING RESULTS

Incident Number and Name: Incident # Pending, Campbell Street Fuel Farm, November 2006 Surface Release

Analytical Method: MADEP Method VPH/EPH as compared to NCDENR MSCCs

Contaminant of Concern →						
Sample ID	Date Collected	Sample Depth (# BG5)	C ₁ -C ₄ Aliphatics	C ₅ -C ₁₀ Aliphatics	C ₁₁ -C ₂₀ Aliphatics	C ₂₁ -C ₂₂ Aromatics
CSFF-SS-01A	2/8/2007	1.5	<10	<20	19	<29
CSFF-SS-02A	2/8/2007	1.5	<10	<20	<10	<20
CSFF-SS-001/002B	3/1/2007	1.5	<10	<20	11	<21
CSFF-SS-04A	2/8/2007	1.5	<10	<20	23	<22
CSFF-SS-003/004B	3/1/2007	1.5	<10	<20	<10	<20
CSFF-SS-013A	2/8/2007	1.5	<10	<20	26	<24
CSFF-SS-014A	2/8/2007	1.5	<10	<20	14	<91
CSFF-SS-013/014B	3/1/2007	1.5	<10	<20	16	<20
Soil to Groundwater MSCC (mg/kg)			72	3,300	##	34
Residential MSCC (mg/kg)			939	9,386	93,860	469
Industrial/Commercial MSCC (mg/kg)			24,528	245,280	#	12,264

- All results reported in mg/kg
- mg/kg = milligrams per kilogram
- MSCC = Maximum Soil Contaminant Concentration
- <# = less than the reporting limit
- # = Health Based Level >100%
- ## = Considered immobile
- **BOLD** = detected concentration
- NOTE - February 2007 samples taken after the second removal action; March 2007 samples taken after the third and final removal action



PROJECT
CAMPBELL STREET FUEL FARM
MARINE CORPS BASE
CAMP LEJEUNE, N.C.

JOB NO.
7006-0002-CSFF

DATE
JUN 2006

TITLE
SITE MAP WITH 08FEB2007 & 01MAR2007
EXCAVATION LOCATIONS
WITH MADEP METHOD VPH/EPH TABLE

SCALE
NTS

DRAWN BY
MJC

CHECKED BY
BMC

FIGURE
4C

APPENDIX A
Laboratory Reports



07/09/08

Technical Report for

Osage of Virginia

Campbell Street Fuel Farm; MCAS New River, NC

Accutest Job Number: F45584

Sampling Date: 11/30/06

Report to:

Demo Account (SW)

steview@accutest.com

ATTN: Steve Warren

Total number of pages in report: **54**



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


Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK
This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

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Sample Summary

Osage of Virginia

Job No: F45584

Campbell Street Fuel Farm; MCAS New River, NC

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F45584-1	11/30/06	07:00 JWM	12/01/06	SO	Soil	CSFF-SS-001
F45584-2	11/30/06	07:05 JWM	12/01/06	SO	Soil	CSFF-SS-002
F45584-3	11/30/06	07:10 JWM	12/01/06	SO	Soil	CSFF-SS-003
F45584-4	11/30/06	07:15 JWM	12/01/06	SO	Soil	CSFF-SS-004
F45584-5	11/30/06	07:20 JWM	12/01/06	SO	Soil	CSFF-SS-005
F45584-6	11/30/06	07:25 JWM	12/01/06	SO	Soil	CSFF-SS-006
F45584-7	11/30/06	07:30 JWM	12/01/06	SO	Soil	CSFF-SS-007
F45584-8	11/30/06	07:35 JWM	12/01/06	SO	Soil	CSFF-SS-008
F45584-9	11/30/06	07:40 JWM	12/01/06	SO	Soil	CSFF-SS-009
F45584-10	11/30/06	07:45 JWM	12/01/06	SO	Soil	CSFF-SS-010
F45584-11	11/30/06	07:50 JWM	12/01/06	SO	Soil	CSFF-SS-011
F45584-12	11/30/06	07:55 JWM	12/01/06	SO	Soil	CSFF-SS-012
F45584-13	11/30/06	08:00 JWM	12/01/06	SO	Soil	CSFF-SS-013

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary
(continued)

Osage of Virginia

Job No: F45584

Campbell Street Fuel Farm; MCAS New River, NC

Sample Number	Collected		Matrix Code	Type	Client Sample ID
	Date	Time By			
F45584-14	11/30/06	08:05 JWM	12/01/06	SO Soil	CSFF-SS-014
F45584-15	11/30/06	08:10 JWM	12/01/06	SO Soil	CSFF-SS-015
F45584-16	11/30/06	08:15 JWM	12/01/06	SO Soil	CSFF-SS-016
F45584-17	11/30/06	00:00 JWM	12/01/06	SO Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID:	CSFF-SS-001						
Lab Sample ID:	F45584-1			Date Sampled:	11/30/06		
Matrix:	SO - Soil			Date Received:	12/01/06		
Method:	SW846 8015			Percent Solids:	89.8		
Project:	Campbell Street Fuel Farm; MCAS New River, NC						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073270.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.29 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	4.4	2.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		62-135%
98-08-8	aaa-Trifluorotoluene	76%		65-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CSFF-SS-001				
Lab Sample ID:	F45584-1			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	89.8
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13890.D	4	12/11/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	80.5	36	22	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	94%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CSFF-SS-002						
Lab Sample ID:	F45584-2			Date Sampled:	11/30/06		
Matrix:	SO - Soil			Date Received:	12/01/06		
Method:	SW846 8015			Percent Solids:	77.9		
Project:	Campbell Street Fuel Farm; MCAS New River, NC						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073271.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.43 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.4	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		62-135%
98-08-8	aaa-Trifluorotoluene	78%		65-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CSFF-SS-002				
Lab Sample ID:	F45584-2			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	77.9
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13930.D	1	12/12/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	98.1	11	6.4	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	82%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CSFF-SS-003						
Lab Sample ID:	F45584-3			Date Sampled:	11/30/06		
Matrix:	SO - Soil			Date Received:	12/01/06		
Method:	SW846 8015			Percent Solids:	69.7		
Project:	Campbell Street Fuel Farm; MCAS New River, NC						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073273.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.56 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	7.6	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		62-135%
98-08-8	aaa-Trifluorotoluene	78%		65-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CSFF-SS-003				
Lab Sample ID:	F45584-3		Date Sampled:	11/30/06	
Matrix:	SO - Soil		Date Received:	12/01/06	
Method:	SW846 8015 M SW846 3550B		Percent Solids:	69.7	
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13892.D	1	12/11/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	16.9	12	7.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	89%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CSFF-SS-004						
Lab Sample ID:	F45584-4			Date Sampled:	11/30/06		
Matrix:	SO - Soil			Date Received:	12/01/06		
Method:	SW846 8015			Percent Solids:	87.6		
Project:	Campbell Street Fuel Farm; MCAS New River, NC						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073274.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.07 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.4	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		62-135%
98-08-8	aaa-Trifluorotoluene	78%		65-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	CSFF-SS-004				
Lab Sample ID:	F45584-4			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	87.6
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13893.D	4	12/11/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	118	37	22	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	105%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CSFF-SS-005				
Lab Sample ID:	F45584-5			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015			Percent Solids:	81.6
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073275.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.51 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.8	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		62-135%
98-08-8	aaa-Trifluorotoluene	78%		65-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CSFF-SS-005				
Lab Sample ID:	F45584-5			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	81.6
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13894.D	1	12/11/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	16.1	10	6.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	86%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	CSFF-SS-006						
Lab Sample ID:	F45584-6			Date Sampled:	11/30/06		
Matrix:	SO - Soil			Date Received:	12/01/06		
Method:	SW846 8015			Percent Solids:	87.7		
Project:	Campbell Street Fuel Farm; MCAS New River, NC						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073276.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.13 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.4	2.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		62-135%
98-08-8	aaa-Trifluorotoluene	77%		65-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-006				
Lab Sample ID:	F45584-6			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	87.7
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13895.D	1	12/11/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	15.1	9.3	5.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	92%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-007						
Lab Sample ID:	F45584-7			Date Sampled:	11/30/06		
Matrix:	SO - Soil			Date Received:	12/01/06		
Method:	SW846 8015			Percent Solids:	79.1		
Project:	Campbell Street Fuel Farm; MCAS New River, NC						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073277.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.88 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.9	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		62-135%
98-08-8	aaa-Trifluorotoluene	76%		65-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-007				
Lab Sample ID:	F45584-7			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	79.1
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13896.D	1	12/11/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	9.32	11	6.3	mg/kg	J
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	81%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-008						
Lab Sample ID:	F45584-8			Date Sampled:	11/30/06		
Matrix:	SO - Soil			Date Received:	12/01/06		
Method:	SW846 8015			Percent Solids:	86.2		
Project:	Campbell Street Fuel Farm; MCAS New River, NC						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073278.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.51 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.1	3.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	84%		62-135%
98-08-8	aaa-Trifluorotoluene	78%		65-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-008				
Lab Sample ID:	F45584-8			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	86.2
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13931.D	1	12/12/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	17.2	9.6	5.8	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	78%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-009						
Lab Sample ID:	F45584-9			Date Sampled:	11/30/06		
Matrix:	SO - Soil			Date Received:	12/01/06		
Method:	SW846 8015			Percent Solids:	82.8		
Project:	Campbell Street Fuel Farm; MCAS New River, NC						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073281.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.23 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.9	2.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		62-135%
98-08-8	aaa-Trifluorotoluene	79%		65-118%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-009				
Lab Sample ID:	F45584-9			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	82.8
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13900.D	1	12/12/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	30.3	10	6.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	80%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-010				
Lab Sample ID:	F45584-10			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015			Percent Solids:	89.1
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073282.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.90 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	4.7	2.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		62-135%
98-08-8	aaa-Trifluorotoluene	78%		65-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	CSFF-SS-010				
Lab Sample ID:	F45584-10			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	89.1
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13979.D	2	12/14/06	AC	12/08/06	OP18783	GLL519
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	30.2	18	11	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	95%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-011		
Lab Sample ID:	F45584-11	Date Sampled:	11/30/06
Matrix:	SO - Soil	Date Received:	12/01/06
Method:	SW846 8015	Percent Solids:	87.4
Project:	Campbell Street Fuel Farm; MCAS New River, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073303.D	1	12/06/06	MM	n/a	n/a	GCD3034
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.17 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	4.7	2.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		62-135%
98-08-8	aaa-Trifluorotoluene	81%		65-118%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-011				
Lab Sample ID:	F45584-11			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	87.4
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13936.D	1	12/12/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	20.4	9.4	5.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	75%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-012						
Lab Sample ID:	F45584-12			Date Sampled:	11/30/06		
Matrix:	SO - Soil			Date Received:	12/01/06		
Method:	SW846 8015			Percent Solids:	90.7		
Project:	Campbell Street Fuel Farm; MCAS New River, NC						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073284.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.68 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	4.6	2.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		62-135%
98-08-8	aaa-Trifluorotoluene	79%		65-118%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-012				
Lab Sample ID:	F45584-12			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	90.7
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13905.D	1	12/12/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	11.0	9.0	5.4	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	94%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-013	
Lab Sample ID:	F45584-13	Date Sampled: 11/30/06
Matrix:	SO - Soil	Date Received: 12/01/06
Method:	SW846 8015	Percent Solids: 88.7
Project:	Campbell Street Fuel Farm; MCAS New River, NC	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073285.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.95 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	4.7	2.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		62-135%
98-08-8	aaa-Trifluorotoluene	78%		65-118%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-013				
Lab Sample ID:	F45584-13			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	88.7
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13906.D	4	12/12/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	56.7	38	23	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	78%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-014						
Lab Sample ID:	F45584-14				Date Sampled:	11/30/06	
Matrix:	SO - Soil				Date Received:	12/01/06	
Method:	SW846 8015				Percent Solids:	81.3	
Project:	Campbell Street Fuel Farm; MCAS New River, NC						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073286.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.84 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.6	2.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		62-135%
98-08-8	aaa-Trifluorotoluene	79%		65-118%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-014				
Lab Sample ID:	F45584-14			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	81.3
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13907.D	4	12/12/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	92.4	41	25	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	89%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-015				
Lab Sample ID:	F45584-15			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015			Percent Solids:	79.1
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073287.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.14 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.5	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		62-135%
98-08-8	aaa-Trifluorotoluene	80%		65-118%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-015				
Lab Sample ID:	F45584-15			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	79.1
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13908.D	1	12/12/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	17.8	11	6.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	81%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	CSFF-SS-016	
Lab Sample ID:	F45584-16	Date Sampled: 11/30/06
Matrix:	SO - Soil	Date Received: 12/01/06
Method:	SW846 8015	Percent Solids: 86.9
Project:	Campbell Street Fuel Farm; MCAS New River, NC	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073288.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.72 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	4.5	2.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		62-135%
98-08-8	aaa-Trifluorotoluene	79%		65-118%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	CSFF-SS-016				
Lab Sample ID:	F45584-16			Date Sampled:	11/30/06
Matrix:	SO - Soil			Date Received:	12/01/06
Method:	SW846 8015 M SW846 3550B			Percent Solids:	86.9
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL13933.D	1	12/12/06	AC	12/08/06	OP18783	GLL516
Run #2							

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) ^a	30.6	9.3	5.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	93%		57-115%		

(a) Petroleum hydrocarbon pattern extends beyond C28.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	TRIP BLANK				
Lab Sample ID:	F45584-17			Date Sampled:	11/30/06
Matrix:	SO - Trip Blank Soil			Date Received:	12/01/06
Method:	SW846 8015			Percent Solids:	n/a
Project:	Campbell Street Fuel Farm; MCAS New River, NC				

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CD073289.D	1	12/05/06	MM	n/a	n/a	GCD3033
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		62-135%
98-08-8	aaa-Trifluorotoluene	80%		65-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

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

LAB USE ONLY

CLIENT INFORMATION

NAME: OSAGE OF VA, INC
ADDRESS: 2618 A COLLEY AVE
CITY: ROANOKE STATE: VA ZIP: 24017
SEND REPORT TO: MIKE CREE
PHONE #: 757 440-0400

FACILITY INFORMATION

PROJECT NAME: CAMPBELL STREET FUEL FARM
LOCATION: MCAS NEW RIVER, NC
PROJECT NO.:
FAX #: 757 440-0411

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			WATER	# OF BOTTLES	PRESERVATION									
		DATE	TIME	SAMPLED BY:			NO	NO	NO	NO	NO	NO	NO			
1	CSFF-SS-001	11-30-06	0700	JUN	SA	3										
2	CSFF-SS-002		0705													
3	CSFF-SS-003		0710													
4	CSFF-SS-004		0715													
5	CSFF-SS-005		0720													
6	CSFF-SS-006		0725													
7	CSFF-SS-007		0730													
8	CSFF-SS-008		0735													
9	CSFF-SS-009		0740													
10	CSFF-SS-010		0745													
11	CSFF-SS-011	11-30-06	0750	JUN	SA	3										

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

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING CARRIER DELIVERY

RELINQUISHED BY: <u>[Signature]</u>	DATE TIME: <u>11/30/06/1700</u>	RECEIVED BY: <u>[Signature]</u>	DATE TIME: <u>12/06/06/0800</u>	RECEIVED BY: <u>[Signature]</u>
RELINQUISHED BY: <u>[Signature]</u>	DATE TIME: _____	RECEIVED BY: _____	DATE TIME: _____	RECEIVED BY: _____
RELINQUISHED BY: _____	DATE TIME: _____	RECEIVED BY: _____	DATE TIME: _____	RECEIVED BY: _____

SEAL # _____ PRESERVE WHERE APPLICABLE ☐ ONCE ☐ TEMPERATURE _____ C

11-30-2006 15:54 DAYS IN JAX NC 19103479181

CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-5700 • FAX: 407-425-0707

ACCIDENT JOB #:

OFFICIALS

ACCIDENT JOB #:
DOCUMENT #01217
F45584

[illegible]

PAGE: 2

11-30-2006 15:54 DAYSINN JAX NC 19103479181

3.1

F45584: Chain of Custody

Page 2 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F45584 CLIENT: OSAGE PROJECT: Campbell Street 20147
 DATE/TIME RECEIVED: 12/16/15 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 4.2°
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
 AIRBILL NUMBERS: 8580 4949 7447

COOLER INFORMATION

- ☐ CUSTODY SEAL NOT PRESENT OR NOT INTACT
- ☐ CHAIN OF CUSTODY NOT RECEIVED (COC)
- ☐ ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- ☐ SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- ☐ TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- ☒ TRIP BLANK PROVIDED
- ☐ TRIP BLANK NOT PROVIDED
- ☐ TRIP BLANK NOT ON COC
- ☒ TRIP BLANK INTACT
- ☐ TRIP BLANK NOT INTACT
- ☐ RECEIVED WATER TRIP BLANK
- ☒ RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 2
 NUMBER OF 5035 FIELD KITS ? 3
 NUMBER OF LAB FILTERED METALS ? 2

SUMMARY OF COMMENTS:

Received Soil trip Blank (#17)
Did not receive Field Blank

SAMPLE INFORMATION

- ☐ SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
 - ☐ CORRECT NUMBER OF CONTAINERS USED
 - ☐ SAMPLE RECEIVED IMPROPERLY PRESERVED
 - ☐ INSUFFICIENT VOLUME FOR ANALYSIS
 - ☐ TIMES ON COC DOES NOT MATCH LABEL(S)
 - ☐ ID'S ON COC DOES NOT MATCH LABEL(S)
 - ☐ VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
 - ☐ BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
 - ☐ NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
 - ☐ UNCLEAR FILTERING INSTRUCTIONS
 - ☐ UNCLEAR COMPOSITING INSTRUCTIONS
 - ☐ SAMPLE CONTAINER(S) RECEIVED BROKEN
 - ☐ % SOLIDS JAR NOT RECEIVED
 - ☐ 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
 - ☐ RESIDUAL CHLORINE PRESENT
- (APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE [Signature]

TECHNICIAN SIGNATURE/DATE

ASBD 10/03/06

F45584: Chain of Custody

Page 3 of 3



GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F45584
Account: OSAGEVAN Osage of Virginia
Project: Campbell Street Fuel Farm; MCAS New River, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3033-MB	CD073269.D	1	12/05/06	MM	n/a	n/a	GCD3033

The QC reported here applies to the following samples: Method: SW846 8015

F45584-1, F45584-2, F45584-3, F45584-4, F45584-5, F45584-6, F45584-7, F45584-8, F45584-9, F45584-10, F45584-12, F45584-13, F45584-14, F45584-15, F45584-16, F45584-17

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	77%	62-135%
98-08-8	aaa-Trifluorotoluene	76%	65-118%

Method Blank Summary

Job Number: F45584
Account: OSAGEVAN Osage of Virginia
Project: Campbell Street Fuel Farm; MCAS New River, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3034-MB	CD073302.D	1	12/06/06	MM	n/a	n/a	GCD3034

The QC reported here applies to the following samples: Method: SW846 8015

F45584-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	84%	62-135%
98-08-8	aaa-Trifluorotoluene	77%	65-118%

Blank Spike Summary

Job Number: F45584
Account: OSAGEVAN Osage of Virginia
Project: Campbell Street Fuel Farm; MCAS New River, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3033-BS	CD073268.D	1	12/05/06	MM	n/a	n/a	GCD3033

The QC reported here applies to the following samples: Method: SW846 8015

F45584-1, F45584-2, F45584-3, F45584-4, F45584-5, F45584-6, F45584-7, F45584-8, F45584-9, F45584-10, F45584-12, F45584-13, F45584-14, F45584-15, F45584-16, F45584-17

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.4	92	66-122

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	95%	62-135%
98-08-8	aaa-Trifluorotoluene	89%	65-118%

Blank Spike Summary

Job Number: F45584
Account: OSAGEVAN Osage of Virginia
Project: Campbell Street Fuel Farm; MCAS New River, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GCD3034-BS	CD073301.D	1	12/06/06	MM	n/a	n/a	GCD3034

The QC reported here applies to the following samples: Method: SW846 8015

F45584-11

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.5	93	66-122

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	95%	62-135%
98-08-8	aaa-Trifluorotoluene	97%	65-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F45584
Account: OSAGEVAN Osage of Virginia
Project: Campbell Street Fuel Farm; MCAS New River, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F45584-1MS	CD073296.D	1	12/06/06	MM	n/a	n/a	GCD3033
F45584-1MSD	CD073297.D	1	12/06/06	MM	n/a	n/a	GCD3033
F45584-1	CD073270.D	1	12/05/06	MM	n/a	n/a	GCD3033

The QC reported here applies to the following samples: Method: SW846 8015

F45584-1, F45584-2, F45584-3, F45584-4, F45584-5, F45584-6, F45584-7, F45584-8, F45584-9, F45584-10, F45584-12, F45584-13, F45584-14, F45584-15, F45584-16, F45584-17

CAS No.	Compound	F45584-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		17.5	14.5	83	15.9	91	9	37-142/17

CAS No.	Surrogate Recoveries	MS	MSD	F45584-1	Limits
460-00-4	4-Bromofluorobenzene	91%	95%	79%	62-135%
98-08-8	aaa-Trifluorotoluene	95%	92%	76%	65-118%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F45584
Account: OSAGEVAN Osage of Virginia
Project: Campbell Street Fuel Farm; MCAS New River, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F45586-3MS	CD073319.D	1	12/06/06	MM	n/a	n/a	GCD3034
F45586-3MSD	CD073320.D	1	12/06/06	MM	n/a	n/a	GCD3034
F45586-3	CD073304.D	1	12/06/06	MM	n/a	n/a	GCD3034

The QC reported here applies to the following samples: Method: SW846 8015

F45584-11

CAS No.	Compound	F45586-3 mg/kg	Spike Q	mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	29.2	23.8	82	25.6	88	7	37-142/17	

CAS No.	Surrogate Recoveries	MS	MSD	F45586-3	Limits
460-00-4	4-Bromofluorobenzene	97%	91%	83%	62-135%
98-08-8	aaa-Trifluorotoluene	91%	93%	79%	65-118%



GC Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F45584
Account: OSAGEVAN Osage of Virginia
Project: Campbell Street Fuel Farm; MCAS New River, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18783-MB	LL13889.D	1	12/11/06	AC	12/08/06	OP18783	GLL516

The QC reported here applies to the following samples: Method: SW846 8015 M

F45584-1, F45584-2, F45584-3, F45584-4, F45584-5, F45584-6, F45584-7, F45584-8, F45584-9, F45584-10, F45584-11, F45584-12, F45584-13, F45584-14, F45584-15, F45584-16

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	90% 57-115%

Method Blank Summary

Job Number: F45584
Account: OSAGEVAN Osage of Virginia
Project: Campbell Street Fuel Farm; MCAS New River, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18783-MB	LL13978.D	1	12/14/06	AC	12/08/06	OP18783	GLL519

The QC reported here applies to the following samples: Method: SW846 8015 M

F45584-1, F45584-2, F45584-3, F45584-4, F45584-5, F45584-6, F45584-7, F45584-8, F45584-9, F45584-10, F45584-11, F45584-12, F45584-13, F45584-14, F45584-15, F45584-16

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.3	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	87% 57-115%

Blank Spike Summary

Job Number: F45584
Account: OSAGEVAN Osage of Virginia
Project: Campbell Street Fuel Farm; MCAS New River, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18783-BS	LL13888.D	1	12/11/06	AC	12/08/06	OP18783	GLL516

The QC reported here applies to the following samples: Method: SW846 8015 M

F45584-1, F45584-2, F45584-3, F45584-4, F45584-5, F45584-6, F45584-7, F45584-8, F45584-9, F45584-10, F45584-11, F45584-12, F45584-13, F45584-14, F45584-15, F45584-16

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C28)	33.3	33.2	100	62-114

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	101%	57-115%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F45584
Account: OSAGEVAN Osage of Virginia
Project: Campbell Street Fuel Farm; MCAS New River, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18783-MS	LL13937.D	1	12/12/06	AC	12/08/06	OP18783	GLL516
OP18783-MSD	LL13938.D	1	12/12/06	AC	12/08/06	OP18783	GLL516
F45584-11	LL13936.D	1	12/12/06	AC	12/08/06	OP18783	GLL516

The QC reported here applies to the following samples: Method: SW846 8015 M

F45584-1, F45584-2, F45584-3, F45584-4, F45584-5, F45584-6, F45584-7, F45584-8, F45584-9, F45584-10, F45584-11, F45584-12, F45584-13, F45584-14, F45584-15, F45584-16

CAS No.	Compound	F45584-11 mg/kg	Spike Q	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	20.4	38.1	51.5	82	58.3	99	12	31-136/36

CAS No.	Surrogate Recoveries	MS	MSD	F45584-11	Limits
84-15-1	o-Terphenyl	80%	86%	75%	57-115%



Mr. Mike Cree
Osage of Virginia
4800A Colley Avenue
Norfolk VA 23508-2037

Report Number: G649-10

Client Project: CSFF

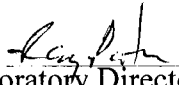
Dear Mr. Cree:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.


Laboratory Director
J. Patrick Weaver

2/15/2007
Date

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF-SS-01A
Client Project ID: CSFF
Lab Sample ID G649-10-1B
Lab Project ID: G649-10
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-08-2007 14:00
Date Received: 2/8/2007
Matrix: Soil
%Solids: 82.3

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	26.7	53.9	3.17	1	2/10/2007	J
Benzene	BQL	5.39	3.07	1	2/10/2007	
Bromobenzene	BQL	5.39	2.65	1	2/10/2007	
Bromochloromethane	BQL	5.39	3.15	1	2/10/2007	
Bromodichloromethane	BQL	5.39	3.06	1	2/10/2007	
Bromoform	BQL	5.39	2.61	1	2/10/2007	
Bromomethane	BQL	5.39	4.52	1	2/10/2007	
2-Butanone	6.13	26.9	3.10	1	2/10/2007	J
n-Butylbenzene	BQL	5.39	3.61	1	2/10/2007	
sec-Butylbenzene	BQL	5.39	3.77	1	2/10/2007	
tert-Butylbenzene	BQL	5.39	3.74	1	2/10/2007	
Carbon disulfide	BQL	5.39	2.83	1	2/10/2007	
Carbon tetrachloride	BQL	5.39	3.73	1	2/10/2007	
Chlorobenzene	BQL	5.39	2.71	1	2/10/2007	
Chloroethane	BQL	5.39	3.38	1	2/10/2007	
Chloroform	BQL	5.39	2.71	1	2/10/2007	
Chloromethane	BQL	5.39	2.60	1	2/10/2007	
2-Chlorotoluene	BQL	5.39	3.21	1	2/10/2007	
4-Chlorotoluene	BQL	5.39	3.00	1	2/10/2007	
Dibromochloromethane	BQL	5.39	2.41	1	2/10/2007	
1,2-Dibromo-3-chloropropane	BQL	5.39	11.4	1	2/10/2007	
Dibromomethane	BQL	5.39	3.23	1	2/10/2007	
1,2-Dibromoethane (EDB)	BQL	5.39	2.51	1	2/10/2007	
1,2-Dichlorobenzene	BQL	5.39	2.60	1	2/10/2007	
1,3-Dichlorobenzene	BQL	5.39	2.52	1	2/10/2007	
1,4-Dichlorobenzene	BQL	5.39	2.65	1	2/10/2007	
trans-1,4-Dichloro-2-butene	BQL	5.39	11.5	1	2/10/2007	
1,1-Dichloroethane	BQL	5.39	3.10	1	2/10/2007	
1,1-Dichloroethene	BQL	5.39	4.15	1	2/10/2007	
1,2-Dichloroethane	BQL	5.39	3.09	1	2/10/2007	
cis-1,2-Dichloroethene	BQL	5.39	2.65	1	2/10/2007	
trans-1,2-dichloroethene	BQL	5.39	3.50	1	2/10/2007	
1,2-Dichloropropane	BQL	5.39	2.76	1	2/10/2007	
1,3-Dichloropropane	BQL	5.39	2.47	1	2/10/2007	
2,2-Dichloropropane	BQL	5.39	3.43	1	2/10/2007	
1,1-Dichloropropene	BQL	5.39	3.89	1	2/10/2007	
cis-1,3-Dichloropropene	BQL	5.39	3.00	1	2/10/2007	
trans-1,3-Dichloropropene	BQL	5.39	3.05	1	2/10/2007	
Dichlorodifluoromethane	BQL	5.39	4.02	1	2/10/2007	
Diisopropyl ether (DIPE)	BQL	5.39	2.55	1	2/10/2007	
Ethylbenzene	BQL	5.39	3.28	1	2/10/2007	
Hexachlorobutadiene	BQL	5.39	4.26	1	2/10/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF-SS-01A
Client Project ID: CSFF
Lab Sample ID G649-10-1B
Lab Project ID: G649-10
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-08-2007 14:00
Date Received: 2/8/2007
Matrix: Soil
%Solids: 82.3

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.39	2.35	1	2/10/2007	
Iodomethane	BQL	5.39	5.01	1	2/10/2007	
Isopropylbenzene	BQL	5.39	3.47	1	2/10/2007	
4-Isopropyltoluene	BQL	5.39	3.66	1	2/10/2007	
Methylene chloride	BQL	21.6	3.08	1	2/10/2007	
4-Methyl-2-pentanone	BQL	5.39	2.49	1	2/10/2007	
Methyl-tert-butyl ether (MTBE)	BQL	5.39	2.74	1	2/10/2007	
Naphthalene	BQL	5.39	2.17	1	2/10/2007	
n-Propyl benzene	BQL	5.39	3.46	1	2/10/2007	
Styrene	BQL	5.39	3.86	1	2/10/2007	
1,1,1,2-Tetrachloroethane	BQL	5.39	2.93	1	2/10/2007	
1,1,2,2-Tetrachloroethane	BQL	5.39	2.65	1	2/10/2007	
Tetrachloroethene	BQL	5.39	3.40	1	2/10/2007	
Toluene	BQL	5.39	3.19	1	2/10/2007	
1,2,3-Trichlorobenzene	BQL	5.39	2.36	1	2/10/2007	
1,2,4-Trichlorobenzene	BQL	5.39	2.41	1	2/10/2007	
Trichloroethene	BQL	5.39	3.36	1	2/10/2007	
1,1,1-Trichloroethane	BQL	5.39	3.72	1	2/10/2007	
1,1,2-Trichloroethane	BQL	5.39	2.78	1	2/10/2007	
Trichlorofluoromethane	BQL	5.39	4.45	1	2/10/2007	
1,2,3-Trichloropropane	BQL	5.39	2.86	1	2/10/2007	
1,2,4-Trimethylbenzene	BQL	5.39	3.02	1	2/10/2007	
1,3,5-Trimethylbenzene	BQL	5.39	3.21	1	2/10/2007	
Vinyl chloride	BQL	5.39	3.56	1	2/10/2007	
m-,p-Xylene	BQL	10.8	6.11	1	2/10/2007	
o-Xylene	BQL	5.39	3.02	1	2/10/2007	
		Spike Added	Spike Result	Percent Recovered		
4-Bromofluorobenzene		50	25.6	51		
1,2-Dichloroethane-d4		50	66.4	133		
Toluene-d8		50	40.6	81		

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: *RL*

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF-SS-02A
Client Project ID: CSFF
Lab Sample ID G649-10-2B
Lab Project ID: G649-10
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-08-2007 13:40
Date Received: 2/8/2007
Matrix: Soil
%Solids: 80.9

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	36.5	74.6	4.39	1	2/10/2007	J
Benzene	BQL	7.46	4.25	1	2/10/2007	
Bromobenzene	BQL	7.46	3.67	1	2/10/2007	
Bromochloromethane	BQL	7.46	4.36	1	2/10/2007	
Bromodichloromethane	BQL	7.46	4.24	1	2/10/2007	
Bromoform	BQL	7.46	3.61	1	2/10/2007	
Bromomethane	BQL	7.46	6.25	1	2/10/2007	
2-Butanone	8.58	37.3	4.30	1	2/10/2007	J
n-Butylbenzene	BQL	7.46	5.00	1	2/10/2007	
sec-Butylbenzene	BQL	7.46	5.22	1	2/10/2007	
tert-Butylbenzene	BQL	7.46	5.18	1	2/10/2007	
Carbon disulfide	BQL	7.46	3.93	1	2/10/2007	
Carbon tetrachloride	BQL	7.46	5.16	1	2/10/2007	
Chlorobenzene	BQL	7.46	3.75	1	2/10/2007	
Chloroethane	BQL	7.46	4.69	1	2/10/2007	
Chloroform	BQL	7.46	3.75	1	2/10/2007	
Chloromethane	BQL	7.46	3.60	1	2/10/2007	
2-Chlorotoluene	BQL	7.46	4.45	1	2/10/2007	
4-Chlorotoluene	BQL	7.46	4.15	1	2/10/2007	
Dibromochloromethane	BQL	7.46	3.34	1	2/10/2007	
1,2-Dibromo-3-chloropropane	BQL	7.46	15.8	1	2/10/2007	
Dibromomethane	BQL	7.46	4.48	1	2/10/2007	
1,2-Dibromoethane (EDB)	BQL	7.46	3.48	1	2/10/2007	
1,2-Dichlorobenzene	BQL	7.46	3.60	1	2/10/2007	
1,3-Dichlorobenzene	BQL	7.46	3.49	1	2/10/2007	
1,4-Dichlorobenzene	BQL	7.46	3.67	1	2/10/2007	
trans-1,4-Dichloro-2-butene	BQL	7.46	16.0	1	2/10/2007	
1,1-Dichloroethane	BQL	7.46	4.30	1	2/10/2007	
1,1-Dichloroethene	BQL	7.46	5.75	1	2/10/2007	
1,2-Dichloroethane	BQL	7.46	4.28	1	2/10/2007	
cis-1,2-Dichloroethene	BQL	7.46	3.67	1	2/10/2007	
trans-1,2-dichloroethene	BQL	7.46	4.85	1	2/10/2007	
1,2-Dichloropropane	BQL	7.46	3.82	1	2/10/2007	
1,3-Dichloropropane	BQL	7.46	3.42	1	2/10/2007	
2,2-Dichloropropane	BQL	7.46	4.75	1	2/10/2007	
1,1-Dichloropropene	BQL	7.46	5.39	1	2/10/2007	
cis-1,3-Dichloropropene	BQL	7.46	4.15	1	2/10/2007	
trans-1,3-Dichloropropene	BQL	7.46	4.22	1	2/10/2007	
Dichlorodifluoromethane	BQL	7.46	5.57	1	2/10/2007	
Diisopropyl ether (DIPE)	BQL	7.46	3.54	1	2/10/2007	
Ethylbenzene	BQL	7.46	4.54	1	2/10/2007	
Hexachlorobutadiene	BQL	7.46	5.90	1	2/10/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF-SS-02A
Client Project ID: CSFF
Lab Sample ID G649-10-2B
Lab Project ID: G649-10
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-08-2007 13:40
Date Received: 2/8/2007
Matrix: Soil
%Solids: 80.9

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	7.46	3.25	1	2/10/2007	
Iodomethane	BQL	7.46	6.94	1	2/10/2007	
Isopropylbenzene	BQL	7.46	4.81	1	2/10/2007	
4-Isopropyltoluene	BQL	7.46	5.07	1	2/10/2007	
Methylene chloride	BQL	29.8	4.27	1	2/10/2007	
4-Methyl-2-pentanone	BQL	7.46	3.45	1	2/10/2007	
Methyl-tert-butyl ether (MTBE)	BQL	7.46	3.79	1	2/10/2007	
Naphthalene	BQL	7.46	3.00	1	2/10/2007	
n-Propyl benzene	BQL	7.46	4.79	1	2/10/2007	
Styrene	BQL	7.46	5.34	1	2/10/2007	
1,1,1,2-Tetrachloroethane	BQL	7.46	4.06	1	2/10/2007	
1,1,2,2-Tetrachloroethane	BQL	7.46	3.67	1	2/10/2007	
Tetrachloroethene	BQL	7.46	4.70	1	2/10/2007	
Toluene	BQL	7.46	4.42	1	2/10/2007	
1,2,3-Trichlorobenzene	BQL	7.46	3.27	1	2/10/2007	
1,2,4-Trichlorobenzene	BQL	7.46	3.34	1	2/10/2007	
Trichloroethene	BQL	7.46	4.66	1	2/10/2007	
1,1,1-Trichloroethane	BQL	7.46	5.15	1	2/10/2007	
1,1,2-Trichloroethane	BQL	7.46	3.85	1	2/10/2007	
Trichlorofluoromethane	BQL	7.46	6.16	1	2/10/2007	
1,2,3-Trichloropropane	BQL	7.46	3.96	1	2/10/2007	
1,2,4-Trimethylbenzene	BQL	7.46	4.18	1	2/10/2007	
1,3,5-Trimethylbenzene	BQL	7.46	4.45	1	2/10/2007	
Vinyl chloride	BQL	7.46	4.93	1	2/10/2007	
m-,p-Xylene	BQL	14.9	8.46	1	2/10/2007	
o-Xylene	BQL	7.46	4.18	1	2/10/2007	
		Spike Added	Spike Result	Percent Recovered		
4-Bromofluorobenzene		50	25.5	51		
1,2-Dichloroethane-d4		50	69.7	139		
Toluene-d8		50	40.4	81		

Comments:**Flags:**

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: PM

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF-SS-04A
Client Project ID: CSFF
Lab Sample ID G649-10-3C
Lab Project ID: G649-10
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-08-2007 13:20
Date Received: 2/8/2007
Matrix: Soil
%Solids: 64.6

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	25.8	86.4	5.08	1	2/12/2007	J
Benzene	BQL	8.64	4.93	1	2/12/2007	
Bromobenzene	BQL	8.64	4.25	1	2/12/2007	
Bromochloromethane	BQL	8.64	5.05	1	2/12/2007	
Bromodichloromethane	BQL	8.64	4.91	1	2/12/2007	
Bromoform	BQL	8.64	4.18	1	2/12/2007	
Bromomethane	BQL	8.64	7.24	1	2/12/2007	
2-Butanone	BQL	43.2	4.98	1	2/12/2007	
n-Butylbenzene	BQL	8.64	5.79	1	2/12/2007	
sec-Butylbenzene	BQL	8.64	6.05	1	2/12/2007	
tert-Butylbenzene	BQL	8.64	6.00	1	2/12/2007	
Carbon disulfide	BQL	8.64	4.55	1	2/12/2007	
Carbon tetrachloride	BQL	8.64	5.98	1	2/12/2007	
Chlorobenzene	BQL	8.64	4.34	1	2/12/2007	
Chloroethane	BQL	8.64	5.43	1	2/12/2007	
Chloroform	BQL	8.64	4.34	1	2/12/2007	
Chloromethane	BQL	8.64	4.16	1	2/12/2007	
2-Chlorotoluene	BQL	8.64	5.15	1	2/12/2007	
4-Chlorotoluene	BQL	8.64	4.80	1	2/12/2007	
Dibromochloromethane	BQL	8.64	3.87	1	2/12/2007	
1,2-Dibromo-3-chloropropane	BQL	8.64	18.3	1	2/12/2007	
Dibromomethane	BQL	8.64	5.18	1	2/12/2007	
1,2-Dibromoethane (EDB)	BQL	8.64	4.03	1	2/12/2007	
1,2-Dichlorobenzene	BQL	8.64	4.16	1	2/12/2007	
1,3-Dichlorobenzene	BQL	8.64	4.04	1	2/12/2007	
1,4-Dichlorobenzene	BQL	8.64	4.25	1	2/12/2007	
trans-1,4-Dichloro-2-butene	BQL	8.64	18.5	1	2/12/2007	
1,1-Dichloroethane	BQL	8.64	4.98	1	2/12/2007	
1,1-Dichloroethene	BQL	8.64	6.65	1	2/12/2007	
1,2-Dichloroethane	BQL	8.64	4.96	1	2/12/2007	
cis-1,2-Dichloroethene	BQL	8.64	4.25	1	2/12/2007	
trans-1,2-dichloroethene	BQL	8.64	5.62	1	2/12/2007	
1,2-Dichloropropane	BQL	8.64	4.42	1	2/12/2007	
1,3-Dichloropropane	BQL	8.64	3.96	1	2/12/2007	
2,2-Dichloropropane	BQL	8.64	5.50	1	2/12/2007	
1,1-Dichloropropene	BQL	8.64	6.24	1	2/12/2007	
cis-1,3-Dichloropropene	BQL	8.64	4.80	1	2/12/2007	
trans-1,3-Dichloropropene	BQL	8.64	4.89	1	2/12/2007	
Dichlorodifluoromethane	BQL	8.64	6.45	1	2/12/2007	
Diisopropyl ether (DIPE)	BQL	8.64	4.10	1	2/12/2007	
Ethylbenzene	BQL	8.64	5.25	1	2/12/2007	
Hexachlorobutadiene	BQL	8.64	6.83	1	2/12/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF-SS-04A
Client Project ID: CSFF
Lab Sample ID G649-10-3C
Lab Project ID: G649-10
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-08-2007 13:20
Date Received: 2/8/2007
Matrix: Soil
%Solids: 64.6

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	8.64	3.77	1	2/12/2007	
Iodomethane	BQL	8.64	8.04	1	2/12/2007	
Isopropylbenzene	BQL	8.64	5.56	1	2/12/2007	
4-Isopropyltoluene	BQL	8.64	5.88	1	2/12/2007	
Methylene chloride	7.74	34.6	4.94	1	2/12/2007	J
4-Methyl-2-pentanone	BQL	8.64	3.99	1	2/12/2007	
Methyl-tert-butyl ether (MTBE)	BQL	8.64	4.39	1	2/12/2007	
Naphthalene	BQL	8.64	3.47	1	2/12/2007	
n-Propyl benzene	BQL	8.64	5.55	1	2/12/2007	
Styrene	BQL	8.64	6.19	1	2/12/2007	
1,1,1,2-Tetrachloroethane	BQL	8.64	4.70	1	2/12/2007	
1,1,2,2-Tetrachloroethane	BQL	8.64	4.25	1	2/12/2007	
Tetrachloroethene	BQL	8.64	5.44	1	2/12/2007	
Toluene	BQL	8.64	5.12	1	2/12/2007	
1,2,3-Trichlorobenzene	BQL	8.64	3.78	1	2/12/2007	
1,2,4-Trichlorobenzene	BQL	8.64	3.87	1	2/12/2007	
Trichloroethene	BQL	8.64	5.39	1	2/12/2007	
1,1,1-Trichloroethane	BQL	8.64	5.96	1	2/12/2007	
1,1,2-Trichloroethane	BQL	8.64	4.46	1	2/12/2007	
Trichlorofluoromethane	BQL	8.64	7.14	1	2/12/2007	
1,2,3-Trichloropropane	BQL	8.64	4.58	1	2/12/2007	
1,2,4-Trimethylbenzene	BQL	8.64	4.84	1	2/12/2007	
1,3,5-Trimethylbenzene	BQL	8.64	5.15	1	2/12/2007	
Vinyl chloride	BQL	8.64	5.70	1	2/12/2007	
m-,p-Xylene	BQL	17.3	9.80	1	2/12/2007	
o-Xylene	BQL	8.64	4.84	1	2/12/2007	
		Spike Added	Spike Result	Percent Recovered		
4-Bromofluorobenzene		50	20.4	41 #		
1,2-Dichloroethane-d4		50	65.1	130		
Toluene-d8		50	36.5	73		

Comments:

Surrogate recovery confirmed by duplicate analysis.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

= Recovery below control limit.

Reviewed By: RJP

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF-SS-013A
Client Project ID: CSFF
Lab Sample ID G649-10-4B
Lab Project ID: G649-10
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-08-2007 13:00
Date Received: 2/8/2007
Matrix: Soil
%Solids: 85.3

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	16.3	49.4	2.91	1	2/10/2007	J
Benzene	BQL	4.94	2.82	1	2/10/2007	
Bromobenzene	BQL	4.94	2.43	1	2/10/2007	
Bromochloromethane	BQL	4.94	2.89	1	2/10/2007	
Bromodichloromethane	BQL	4.94	2.81	1	2/10/2007	
Bromoform	BQL	4.94	2.39	1	2/10/2007	
Bromomethane	BQL	4.94	4.14	1	2/10/2007	
2-Butanone	BQL	24.7	2.85	1	2/10/2007	
n-Butylbenzene	BQL	4.94	3.31	1	2/10/2007	
sec-Butylbenzene	BQL	4.94	3.46	1	2/10/2007	
tert-Butylbenzene	BQL	4.94	3.43	1	2/10/2007	
Carbon disulfide	BQL	4.94	2.60	1	2/10/2007	
Carbon tetrachloride	BQL	4.94	3.42	1	2/10/2007	
Chlorobenzene	BQL	4.94	2.48	1	2/10/2007	
Chloroethane	BQL	4.94	3.10	1	2/10/2007	
Chloroform	BQL	4.94	2.48	1	2/10/2007	
Chloromethane	BQL	4.94	2.38	1	2/10/2007	
2-Chlorotoluene	BQL	4.94	2.94	1	2/10/2007	
4-Chlorotoluene	BQL	4.94	2.75	1	2/10/2007	
Dibromochloromethane	BQL	4.94	2.21	1	2/10/2007	
1,2-Dibromo-3-chloropropane	BQL	4.94	10.5	1	2/10/2007	
Dibromomethane	BQL	4.94	2.96	1	2/10/2007	
1,2-Dibromoethane (EDB)	BQL	4.94	2.30	1	2/10/2007	
1,2-Dichlorobenzene	BQL	4.94	2.38	1	2/10/2007	
1,3-Dichlorobenzene	BQL	4.94	2.31	1	2/10/2007	
1,4-Dichlorobenzene	BQL	4.94	2.43	1	2/10/2007	
trans-1,4-Dichloro-2-butene	BQL	4.94	10.6	1	2/10/2007	
1,1-Dichloroethane	BQL	4.94	2.85	1	2/10/2007	
1,1-Dichloroethene	BQL	4.94	3.80	1	2/10/2007	
1,2-Dichloroethane	BQL	4.94	2.84	1	2/10/2007	
cis-1,2-Dichloroethene	BQL	4.94	2.43	1	2/10/2007	
trans-1,2-dichloroethene	BQL	4.94	3.21	1	2/10/2007	
1,2-Dichloropropane	BQL	4.94	2.53	1	2/10/2007	
1,3-Dichloropropane	BQL	4.94	2.26	1	2/10/2007	
2,2-Dichloropropane	BQL	4.94	3.14	1	2/10/2007	
1,1-Dichloropropene	BQL	4.94	3.57	1	2/10/2007	
cis-1,3-Dichloropropene	BQL	4.94	2.75	1	2/10/2007	
trans-1,3-Dichloropropene	BQL	4.94	2.80	1	2/10/2007	
Dichlorodifluoromethane	BQL	4.94	3.69	1	2/10/2007	
Diisopropyl ether (DIPE)	BQL	4.94	2.34	1	2/10/2007	
Ethylbenzene	BQL	4.94	3.00	1	2/10/2007	
Hexachlorobutadiene	BQL	4.94	3.90	1	2/10/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF-SS-013A
Client Project ID: CSFF
Lab Sample ID G649-10-4B
Lab Project ID: G649-10
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-08-2007 13:00
Date Received: 2/8/2007
Matrix: Soil
%Solids: 85.3

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	4.94	2.15	1	2/10/2007	
Iodomethane	BQL	4.94	4.60	1	2/10/2007	
Isopropylbenzene	BQL	4.94	3.18	1	2/10/2007	
4-Isopropyltoluene	BQL	4.94	3.36	1	2/10/2007	
Methylene chloride	3.52	19.8	2.83	1	2/10/2007	J
4-Methyl-2-pentanone	BQL	4.94	2.28	1	2/10/2007	
Methyl-tert-butyl ether (MTBE)	BQL	4.94	2.51	1	2/10/2007	
Naphthalene	BQL	4.94	1.99	1	2/10/2007	
n-Propyl benzene	BQL	4.94	3.17	1	2/10/2007	
Styrene	BQL	4.94	3.54	1	2/10/2007	
1,1,1,2-Tetrachloroethane	BQL	4.94	2.69	1	2/10/2007	
1,1,2,2-Tetrachloroethane	BQL	4.94	2.43	1	2/10/2007	
Tetrachloroethene	BQL	4.94	3.11	1	2/10/2007	
Toluene	BQL	4.94	2.93	1	2/10/2007	
1,2,3-Trichlorobenzene	BQL	4.94	2.16	1	2/10/2007	
1,2,4-Trichlorobenzene	BQL	4.94	2.21	1	2/10/2007	
Trichloroethene	BQL	4.94	3.08	1	2/10/2007	
1,1,1-Trichloroethane	BQL	4.94	3.41	1	2/10/2007	
1,1,2-Trichloroethane	BQL	4.94	2.55	1	2/10/2007	
Trichlorofluoromethane	BQL	4.94	4.08	1	2/10/2007	
1,2,3-Trichloropropane	BQL	4.94	2.62	1	2/10/2007	
1,2,4-Trimethylbenzene	BQL	4.94	2.77	1	2/10/2007	
1,3,5-Trimethylbenzene	BQL	4.94	2.94	1	2/10/2007	
Vinyl chloride	BQL	4.94	3.26	1	2/10/2007	
m-,p-Xylene	BQL	9.88	5.60	1	2/10/2007	
o-Xylene	BQL	4.94	2.77	1	2/10/2007	
		Spike Added	Spike Result	Percent Recovered		
4-Bromofluorobenzene		50	26.6	53		
1,2-Dichloroethane-d4		50	68.4	137		
Toluene-d8		50	41.2	82		

Comments:**Flags:**

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: B. J.

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF-SS-014A
Client Project ID: CSFF
Lab Sample ID G649-10-5B
Lab Project ID: G649-10
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-08-2007 12:30
Date Received: 2/8/2007
Matrix: Soil
%Solids: 87.3

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	19.3	54.1	3.18	1	2/10/2007	J
Benzene	BQL	5.41	3.08	1	2/10/2007	
Bromobenzene	BQL	5.41	2.66	1	2/10/2007	
Bromochloromethane	BQL	5.41	3.16	1	2/10/2007	
Bromodichloromethane	BQL	5.41	3.07	1	2/10/2007	
Bromoform	BQL	5.41	2.62	1	2/10/2007	
Bromomethane	BQL	5.41	4.54	1	2/10/2007	
2-Butanone	3.40	27.1	3.12	1	2/10/2007	J
n-Butylbenzene	BQL	5.41	3.63	1	2/10/2007	
sec-Butylbenzene	BQL	5.41	3.79	1	2/10/2007	
tert-Butylbenzene	BQL	5.41	3.76	1	2/10/2007	
Carbon disulfide	BQL	5.41	2.85	1	2/10/2007	
Carbon tetrachloride	BQL	5.41	3.75	1	2/10/2007	
Chlorobenzene	BQL	5.41	2.72	1	2/10/2007	
Chloroethane	BQL	5.41	3.40	1	2/10/2007	
Chloroform	BQL	5.41	2.72	1	2/10/2007	
Chloromethane	BQL	5.41	2.61	1	2/10/2007	
2-Chlorotoluene	BQL	5.41	3.23	1	2/10/2007	
4-Chlorotoluene	BQL	5.41	3.01	1	2/10/2007	
Dibromochloromethane	BQL	5.41	2.42	1	2/10/2007	
1,2-Dibromo-3-chloropropane	BQL	5.41	11.5	1	2/10/2007	
Dibromomethane	BQL	5.41	3.25	1	2/10/2007	
1,2-Dibromoethane (EDB)	BQL	5.41	2.52	1	2/10/2007	
1,2-Dichlorobenzene	BQL	5.41	2.61	1	2/10/2007	
1,3-Dichlorobenzene	BQL	5.41	2.53	1	2/10/2007	
1,4-Dichlorobenzene	BQL	5.41	2.66	1	2/10/2007	
trans-1,4-Dichloro-2-butene	BQL	5.41	11.6	1	2/10/2007	
1,1-Dichloroethane	BQL	5.41	3.12	1	2/10/2007	
1,1-Dichloroethene	BQL	5.41	4.17	1	2/10/2007	
1,2-Dichloroethane	BQL	5.41	3.11	1	2/10/2007	
cis-1,2-Dichloroethene	BQL	5.41	2.66	1	2/10/2007	
trans-1,2-dichloroethene	BQL	5.41	3.52	1	2/10/2007	
1,2-Dichloropropane	BQL	5.41	2.77	1	2/10/2007	
1,3-Dichloropropane	BQL	5.41	2.48	1	2/10/2007	
2,2-Dichloropropane	BQL	5.41	3.44	1	2/10/2007	
1,1-Dichloropropene	BQL	5.41	3.91	1	2/10/2007	
cis-1,3-Dichloropropene	BQL	5.41	3.01	1	2/10/2007	
trans-1,3-Dichloropropene	BQL	5.41	3.06	1	2/10/2007	
Dichlorodifluoromethane	BQL	5.41	4.04	1	2/10/2007	
Diisopropyl ether (DIPE)	BQL	5.41	2.57	1	2/10/2007	
Ethylbenzene	BQL	5.41	3.29	1	2/10/2007	
Hexachlorobutadiene	BQL	5.41	4.28	1	2/10/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF-SS-014A
Client Project ID: CSFF
Lab Sample ID G649-10-5B
Lab Project ID: G649-10
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 02-08-2007 12:30
Date Received: 2/8/2007
Matrix: Soil
%Solids: 87.3

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.41	2.36	1	2/10/2007	
Iodomethane	BQL	5.41	5.03	1	2/10/2007	
Isopropylbenzene	BQL	5.41	3.49	1	2/10/2007	
4-Isopropyltoluene	BQL	5.41	3.68	1	2/10/2007	
Methylene chloride	4.15	21.6	3.10	1	2/10/2007	J
4-Methyl-2-pentanone	BQL	5.41	2.50	1	2/10/2007	
Methyl-tert-butyl ether (MTBE)	BQL	5.41	2.75	1	2/10/2007	
Naphthalene	BQL	5.41	2.18	1	2/10/2007	
n-Propyl benzene	BQL	5.41	3.47	1	2/10/2007	
Styrene	BQL	5.41	3.88	1	2/10/2007	
1,1,1,2-Tetrachloroethane	BQL	5.41	2.94	1	2/10/2007	
1,1,2,2-Tetrachloroethane	BQL	5.41	2.66	1	2/10/2007	
Tetrachloroethene	BQL	5.41	3.41	1	2/10/2007	
Toluene	BQL	5.41	3.20	1	2/10/2007	
1,2,3-Trichlorobenzene	BQL	5.41	2.37	1	2/10/2007	
1,2,4-Trichlorobenzene	BQL	5.41	2.42	1	2/10/2007	
Trichloroethene	BQL	5.41	3.38	1	2/10/2007	
1,1,1-Trichloroethane	BQL	5.41	3.73	1	2/10/2007	
1,1,2-Trichloroethane	BQL	5.41	2.79	1	2/10/2007	
Trichlorofluoromethane	BQL	5.41	4.47	1	2/10/2007	
1,2,3-Trichloropropane	BQL	5.41	2.87	1	2/10/2007	
1,2,4-Trimethylbenzene	BQL	5.41	3.03	1	2/10/2007	
1,3,5-Trimethylbenzene	BQL	5.41	3.23	1	2/10/2007	
Vinyl chloride	BQL	5.41	3.57	1	2/10/2007	
m-,p-Xylene	BQL	10.8	6.14	1	2/10/2007	
o-Xylene	BQL	5.41	3.03	1	2/10/2007	
		Spike Added	Spike Result	Percent Recovered		
4-Bromofluorobenzene		50	25.9	52		
1,2-Dichloroethane-d4		50	66	132		
Toluene-d8		50	40.3	81		

Comments:**Flags:**

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: RNP

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: Trip Blank
Client Project ID: CSFF
Lab Sample ID G649-10-6A
Lab Project ID: G649-10
Report Basis: 0.0

Analyzed By: MJC
Date Collected: 02-08-2007 00:00
Date Received: 2/8/2007
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	2.99	50.0	2.94	1	2/10/2007	J
Benzene	BQL	5.00	2.85	1	2/10/2007	
Bromobenzene	BQL	5.00	2.46	1	2/10/2007	
Bromochloromethane	BQL	5.00	2.92	1	2/10/2007	
Bromodichloromethane	BQL	5.00	2.84	1	2/10/2007	
Bromoform	BQL	5.00	2.42	1	2/10/2007	
Bromomethane	BQL	5.00	4.19	1	2/10/2007	
2-Butanone	BQL	25.0	2.88	1	2/10/2007	
n-Butylbenzene	BQL	5.00	3.35	1	2/10/2007	
sec-Butylbenzene	BQL	5.00	3.50	1	2/10/2007	
tert-Butylbenzene	BQL	5.00	3.47	1	2/10/2007	
Carbon disulfide	BQL	5.00	2.63	1	2/10/2007	
Carbon tetrachloride	BQL	5.00	3.46	1	2/10/2007	
Chlorobenzene	BQL	5.00	2.51	1	2/10/2007	
Chloroethane	BQL	5.00	3.14	1	2/10/2007	
Chloroform	BQL	5.00	2.51	1	2/10/2007	
Chloromethane	BQL	5.00	2.41	1	2/10/2007	
2-Chlorotoluene	BQL	5.00	2.98	1	2/10/2007	
4-Chlorotoluene	BQL	5.00	2.78	1	2/10/2007	
Dibromochloromethane	BQL	5.00	2.24	1	2/10/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	10.6	1	2/10/2007	
Dibromomethane	BQL	5.00	3.00	1	2/10/2007	
1,2-Dibromoethane (EDB)	BQL	5.00	2.33	1	2/10/2007	
1,2-Dichlorobenzene	BQL	5.00	2.41	1	2/10/2007	
1,3-Dichlorobenzene	BQL	5.00	2.34	1	2/10/2007	
1,4-Dichlorobenzene	BQL	5.00	2.46	1	2/10/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	10.7	1	2/10/2007	
1,1-Dichloroethane	BQL	5.00	2.88	1	2/10/2007	
1,1-Dichloroethene	BQL	5.00	3.85	1	2/10/2007	
1,2-Dichloroethane	BQL	5.00	2.87	1	2/10/2007	
cis-1,2-Dichloroethene	BQL	5.00	2.46	1	2/10/2007	
trans-1,2-dichloroethene	BQL	5.00	3.25	1	2/10/2007	
1,2-Dichloropropane	BQL	5.00	2.56	1	2/10/2007	
1,3-Dichloropropane	BQL	5.00	2.29	1	2/10/2007	
2,2-Dichloropropane	BQL	5.00	3.18	1	2/10/2007	
1,1-Dichloropropene	BQL	5.00	3.61	1	2/10/2007	
cis-1,3-Dichloropropene	BQL	5.00	2.78	1	2/10/2007	
trans-1,3-Dichloropropene	BQL	5.00	2.83	1	2/10/2007	
Dichlorodifluoromethane	BQL	5.00	3.73	1	2/10/2007	
Diisopropyl ether (DIPE)	BQL	5.00	2.37	1	2/10/2007	
Ethylbenzene	BQL	5.00	3.04	1	2/10/2007	
Hexachlorobutadiene	BQL	5.00	3.95	1	2/10/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: Trip Blank
Client Project ID: CSFF
Lab Sample ID G649-10-6A
Lab Project ID: G649-10
Report Basis: 0.0

Analyzed By: MJC
Date Collected: 02-08-2007 00:00
Date Received: 2/8/2007
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	2.18	1	2/10/2007	
Iodomethane	BQL	5.00	4.65	1	2/10/2007	
Isopropylbenzene	BQL	5.00	3.22	1	2/10/2007	
4-Isopropyltoluene	BQL	5.00	3.40	1	2/10/2007	
Methylene chloride	BQL	20.0	2.86	1	2/10/2007	
4-Methyl-2-pentanone	BQL	5.00	2.31	1	2/10/2007	
Methyl-tert-butyl ether (MTBE)	BQL	5.00	2.54	1	2/10/2007	
Naphthalene	BQL	5.00	2.01	1	2/10/2007	
n-Propyl benzene	BQL	5.00	3.21	1	2/10/2007	
Styrene	BQL	5.00	3.58	1	2/10/2007	
1,1,1,2-Tetrachloroethane	BQL	5.00	2.72	1	2/10/2007	
1,1,2,2-Tetrachloroethane	BQL	5.00	2.46	1	2/10/2007	
Tetrachloroethene	BQL	5.00	3.15	1	2/10/2007	
Toluene	BQL	5.00	2.96	1	2/10/2007	
1,2,3-Trichlorobenzene	BQL	5.00	2.19	1	2/10/2007	
1,2,4-Trichlorobenzene	BQL	5.00	2.24	1	2/10/2007	
Trichloroethene	BQL	5.00	3.12	1	2/10/2007	
1,1,1-Trichloroethane	BQL	5.00	3.45	1	2/10/2007	
1,1,2-Trichloroethane	BQL	5.00	2.58	1	2/10/2007	
Trichlorofluoromethane	BQL	5.00	4.13	1	2/10/2007	
1,2,3-Trichloropropane	BQL	5.00	2.65	1	2/10/2007	
1,2,4-Trimethylbenzene	BQL	5.00	2.80	1	2/10/2007	
1,3,5-Trimethylbenzene	BQL	5.00	2.98	1	2/10/2007	
Vinyl chloride	BQL	5.00	3.30	1	2/10/2007	
m-,p-Xylene	BQL	10.0	5.67	1	2/10/2007	
o-Xylene	BQL	5.00	2.80	1	2/10/2007	
		Spike Added	Spike Result	Percent Recovered		
4-Bromofluorobenzene		50	39.3	79		
1,2-Dichloroethane-d4		50	63.5	127		
Toluene-d8		50	43.1	86		

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: Bul

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK9021007B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	50.0	2.94	1	2/10/2007	
Benzene	BQL	5.00	2.85	1	2/10/2007	
Bromobenzene	BQL	5.00	2.46	1	2/10/2007	
Bromochloromethane	BQL	5.00	2.92	1	2/10/2007	
Bromodichloromethane	BQL	5.00	2.84	1	2/10/2007	
Bromoform	BQL	5.00	2.42	1	2/10/2007	
Bromomethane	BQL	5.00	4.19	1	2/10/2007	
2-Butanone	BQL	25.0	2.88	1	2/10/2007	
n-Butylbenzene	BQL	5.00	3.35	1	2/10/2007	
sec-Butylbenzene	BQL	5.00	3.50	1	2/10/2007	
tert-Butylbenzene	BQL	5.00	3.47	1	2/10/2007	
Carbon disulfide	BQL	5.00	2.63	1	2/10/2007	
Carbon tetrachloride	BQL	5.00	3.46	1	2/10/2007	
Chlorobenzene	BQL	5.00	2.51	1	2/10/2007	
Chloroethane	BQL	5.00	3.14	1	2/10/2007	
Chloroform	BQL	5.00	2.51	1	2/10/2007	
Chloromethane	BQL	5.00	2.41	1	2/10/2007	
2-Chlorotoluene	BQL	5.00	2.98	1	2/10/2007	
4-Chlorotoluene	BQL	5.00	2.78	1	2/10/2007	
Dibromochloromethane	BQL	5.00	2.24	1	2/10/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	10.6	1	2/10/2007	
Dibromomethane	BQL	5.00	3.00	1	2/10/2007	
1,2-Dibromoethane (EDB)	BQL	5.00	2.33	1	2/10/2007	
1,2-Dichlorobenzene	BQL	5.00	2.41	1	2/10/2007	
1,3-Dichlorobenzene	BQL	5.00	2.34	1	2/10/2007	
1,4-Dichlorobenzene	BQL	5.00	2.46	1	2/10/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	10.7	1	2/10/2007	
1,1-Dichloroethane	BQL	5.00	2.88	1	2/10/2007	
1,1-Dichloroethene	BQL	5.00	3.85	1	2/10/2007	
1,2-Dichloroethane	BQL	5.00	2.87	1	2/10/2007	
cis-1,2-Dichloroethene	BQL	5.00	2.46	1	2/10/2007	
trans-1,2-dichloroethene	BQL	5.00	3.25	1	2/10/2007	
1,2-Dichloropropane	BQL	5.00	2.56	1	2/10/2007	
1,3-Dichloropropane	BQL	5.00	2.29	1	2/10/2007	
2,2-Dichloropropane	BQL	5.00	3.18	1	2/10/2007	
1,1-Dichloropropene	BQL	5.00	3.61	1	2/10/2007	
cis-1,3-Dichloropropene	BQL	5.00	2.78	1	2/10/2007	
trans-1,3-Dichloropropene	BQL	5.00	2.83	1	2/10/2007	
Dichlorodifluoromethane	BQL	5.00	3.73	1	2/10/2007	
Diisopropyl ether (DIPE)	BQL	5.00	2.37	1	2/10/2007	
Ethylbenzene	BQL	5.00	3.04	1	2/10/2007	
Hexachlorobutadiene	BQL	5.00	3.95	1	2/10/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK9021007B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	2.18	1	2/10/2007	
Iodomethane	BQL	5.00	4.65	1	2/10/2007	
Isopropylbenzene	BQL	5.00	3.22	1	2/10/2007	
4-Isopropyltoluene	BQL	5.00	3.40	1	2/10/2007	
Methylene chloride	BQL	20.0	2.86	1	2/10/2007	
4-Methyl-2-pentanone	BQL	5.00	2.31	1	2/10/2007	
Methyl-tert-butyl ether (MTBE)	BQL	5.00	2.54	1	2/10/2007	
Naphthalene	BQL	5.00	2.01	1	2/10/2007	
n-Propyl benzene	BQL	5.00	3.21	1	2/10/2007	
Styrene	BQL	5.00	3.58	1	2/10/2007	
1,1,1,2-Tetrachloroethane	BQL	5.00	2.72	1	2/10/2007	
1,1,2,2-Tetrachloroethane	BQL	5.00	2.46	1	2/10/2007	
Tetrachloroethene	BQL	5.00	3.15	1	2/10/2007	
Toluene	BQL	5.00	2.96	1	2/10/2007	
1,2,3-Trichlorobenzene	BQL	5.00	2.19	1	2/10/2007	
1,2,4-Trichlorobenzene	BQL	5.00	2.24	1	2/10/2007	
Trichloroethene	BQL	5.00	3.12	1	2/10/2007	
1,1,1-Trichloroethane	BQL	5.00	3.45	1	2/10/2007	
1,1,2-Trichloroethane	BQL	5.00	2.58	1	2/10/2007	
Trichlorofluoromethane	BQL	5.00	4.13	1	2/10/2007	
1,2,3-Trichloropropane	BQL	5.00	2.65	1	2/10/2007	
1,2,4-Trimethylbenzene	BQL	5.00	2.80	1	2/10/2007	
1,3,5-Trimethylbenzene	BQL	5.00	2.98	1	2/10/2007	
Vinyl chloride	BQL	5.00	3.30	1	2/10/2007	
m-,p-Xylene	BQL	10.0	5.67	1	2/10/2007	
o-Xylene	BQL	5.00	2.80	1	2/10/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	44.3	89
1,2-Dichloroethane-d4	50	43.6	87
Toluene-d8	50	42.1	84

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: gnd



LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: SGS Environmental

Lab Code: NC00919

Case No.:

SAS No.:

SDG No:

Matrix: (soil/water) Soil

Lab Sample ID: LCS9021007b

Sample wt/vol: 5.00 (g)

Lab File ID: 0210906.D

Level: (low/med) low

% Moisture: not dec.

Date Analyzed: 2007-02-10 13:53

GC Column: DB-624 ID: 0.2 (mm)

Dilution Factor: 1

Soil Extract Volume: NA

Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/kg)	SAMP CONC (µg/kg)	% REC #	QC LIMITS
71-43-2	benzene	30.0	27.2	90.7	77.6-122
108-90-7	chlorobenzene	30.0	31.8	106	75.3-125
75-35-4	1,1-dichloroethene	30.0	25.9	86.2	78.5-121
108-88-3	toluene	30.0	26.7	88.9	75.7-124
79-01-6	trichloroethene	30.0	26.2	87.2	60.8-139

System Monitoring Compound Results

		Spike Added (µg/kg)	Spike Result (µg/kg)	Percent Rec. (%)	Percent Recovery (%)
460-00-4	4-Bromofluorobenzene	50	47.0	93.0	49.1 - 151
17060-07-0	1,2-Dichloroethane-d4	50	45.0	90.0	37.8 - 170
2037-26-5	Toluene-d8	50	46.0	91.0	58.8 - 144



LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: SGS Environmental

Contract:

Lab Code: NC00919

Case No.:

SAS No.:

SDG No.:

LCS: LCS9021007B

Filename: 0210906.D

Date Analyzed: 02/10/07 13:53 Dilution: 1

LCSD: LCS9021007C

Filename: 0210907.D

Date Analyzed: 02/10/07 14:18 Matrix: Soil

COMPOUND	LCS SPIKE (µg/kg)	LCS CONC (µg/kg)	LCS % REC #	LCSD SPIKE (µg/kg)	LCSD CONC (µg/kg)	LCSD % REC #	% RPD	QC LIMITS	
								RPD	REC
benzene	30.0	27.2	90.7	30.0	28.6	95.2	4.84	30	77.6-122
chlorobenzene	30.0	31.8	106	30.0	31.9	106	0.377	30	75.3-125
1,1-dichloroethene	30.0	25.9	86.2	30.0	27.6	92.1	6.65	30	78.5-121
toluene	30.0	26.7	88.9	30.0	28.1	93.7	5.22	30	75.7-124
trichloroethene	30.0	26.2	87.2	30.0	26.9	89.7	2.75	30	60.8-139

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:



SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SGS Environmental

Contract:

Lab Code: NC00919

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No. g520-203-1c

Dilution: 1

Filenames: 0210920.D, 0210927.D, 0210928.D

COMPOUND	SAMPLE CONC (µg/kg)	MS SPIKE (µg/kg)	MS CONC (µg/kg)	MS % REC #	MSD SPIKE (µg/kg)	MSD CONC (µg/kg)	MSD % REC #	% RPD	QC LIMITS	
									RPD	REC
benzene	BQL	33.3	28.4	85.2	33.3	27.3	82.0	3.87	30	74.8-133
chlorobenzene	BQL	33.3	28.3	85.0	33.3	28.6	86.0	1.21	30	66.3-135
1,1-dichloroethene	BQL	33.3	36.3	109	33.3	32.3	97.0	11.8	30	72.0-135
toluene	BQL	33.3	25.1	75.4	33.3	23.6	71.0	6.01	30	70.5-138
trichloroethene	BQL	33.3	45.7	137	33.3	44.7	134	2.11	30	60.7-152

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK9021207B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	50.0	2.94	1	2/12/2007	
Benzene	BQL	5.00	2.85	1	2/12/2007	
Bromobenzene	BQL	5.00	2.46	1	2/12/2007	
Bromochloromethane	BQL	5.00	2.92	1	2/12/2007	
Bromodichloromethane	BQL	5.00	2.84	1	2/12/2007	
Bromoform	BQL	5.00	2.42	1	2/12/2007	
Bromomethane	BQL	5.00	4.19	1	2/12/2007	
2-Butanone	BQL	25.0	2.88	1	2/12/2007	
n-Butylbenzene	BQL	5.00	3.35	1	2/12/2007	
sec-Butylbenzene	BQL	5.00	3.50	1	2/12/2007	
tert-Butylbenzene	BQL	5.00	3.47	1	2/12/2007	
Carbon disulfide	BQL	5.00	2.63	1	2/12/2007	
Carbon tetrachloride	BQL	5.00	3.46	1	2/12/2007	
Chlorobenzene	BQL	5.00	2.51	1	2/12/2007	
Chloroethane	BQL	5.00	3.14	1	2/12/2007	
Chloroform	BQL	5.00	2.51	1	2/12/2007	
Chloromethane	BQL	5.00	2.41	1	2/12/2007	
2-Chlorotoluene	BQL	5.00	2.98	1	2/12/2007	
4-Chlorotoluene	BQL	5.00	2.78	1	2/12/2007	
Dibromochloromethane	BQL	5.00	2.24	1	2/12/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	10.6	1	2/12/2007	
Dibromomethane	BQL	5.00	3.00	1	2/12/2007	
1,2-Dibromoethane (EDB)	BQL	5.00	2.33	1	2/12/2007	
1,2-Dichlorobenzene	BQL	5.00	2.41	1	2/12/2007	
1,3-Dichlorobenzene	BQL	5.00	2.34	1	2/12/2007	
1,4-Dichlorobenzene	BQL	5.00	2.46	1	2/12/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	10.7	1	2/12/2007	
1,1-Dichloroethane	BQL	5.00	2.88	1	2/12/2007	
1,1-Dichloroethene	BQL	5.00	3.85	1	2/12/2007	
1,2-Dichloroethane	BQL	5.00	2.87	1	2/12/2007	
cis-1,2-Dichloroethene	BQL	5.00	2.46	1	2/12/2007	
trans-1,2-dichloroethene	BQL	5.00	3.25	1	2/12/2007	
1,2-Dichloropropane	BQL	5.00	2.56	1	2/12/2007	
1,3-Dichloropropane	BQL	5.00	2.29	1	2/12/2007	
2,2-Dichloropropane	BQL	5.00	3.18	1	2/12/2007	
1,1-Dichloropropene	BQL	5.00	3.61	1	2/12/2007	
cis-1,3-Dichloropropene	BQL	5.00	2.78	1	2/12/2007	
trans-1,3-Dichloropropene	BQL	5.00	2.83	1	2/12/2007	
Dichlorodifluoromethane	BQL	5.00	3.73	1	2/12/2007	
Diisopropyl ether (DIPE)	BQL	5.00	2.37	1	2/12/2007	
Ethylbenzene	BQL	5.00	3.04	1	2/12/2007	
Hexachlorobutadiene	BQL	5.00	3.95	1	2/12/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK9021207B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	2.18	1	2/12/2007	
Iodomethane	BQL	5.00	4.65	1	2/12/2007	
Isopropylbenzene	BQL	5.00	3.22	1	2/12/2007	
4-Isopropyltoluene	BQL	5.00	3.40	1	2/12/2007	
Methylene chloride	BQL	20.0	2.86	1	2/12/2007	
4-Methyl-2-pentanone	BQL	5.00	2.31	1	2/12/2007	
Methyl-tert-butyl ether (MTBE)	BQL	5.00	2.54	1	2/12/2007	
Naphthalene	BQL	5.00	2.01	1	2/12/2007	
n-Propyl benzene	BQL	5.00	3.21	1	2/12/2007	
Styrene	BQL	5.00	3.58	1	2/12/2007	
1,1,1,2-Tetrachloroethane	BQL	5.00	2.72	1	2/12/2007	
1,1,2,2-Tetrachloroethane	BQL	5.00	2.46	1	2/12/2007	
Tetrachloroethene	BQL	5.00	3.15	1	2/12/2007	
Toluene	BQL	5.00	2.96	1	2/12/2007	
1,2,3-Trichlorobenzene	BQL	5.00	2.19	1	2/12/2007	
1,2,4-Trichlorobenzene	BQL	5.00	2.24	1	2/12/2007	
Trichloroethene	BQL	5.00	3.12	1	2/12/2007	
1,1,1-Trichloroethane	BQL	5.00	3.45	1	2/12/2007	
1,1,2-Trichloroethane	BQL	5.00	2.58	1	2/12/2007	
Trichlorofluoromethane	BQL	5.00	4.13	1	2/12/2007	
1,2,3-Trichloropropane	BQL	5.00	2.65	1	2/12/2007	
1,2,4-Trimethylbenzene	BQL	5.00	2.80	1	2/12/2007	
1,3,5-Trimethylbenzene	BQL	5.00	2.98	1	2/12/2007	
Vinyl chloride	BQL	5.00	3.30	1	2/12/2007	
m-,p-Xylene	BQL	10.0	5.67	1	2/12/2007	
o-Xylene	BQL	5.00	2.80	1	2/12/2007	
		Spike Added	Spike Result	Percent Recovered		
4-Bromofluorobenzene		50	41.4	83		
1,2-Dichloroethane-d4		50	51.7	103		
Toluene-d8		50	43	86		

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:



LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: SGS Environmental

Lab Code: NC00919

Case No.:

SAS No.:

SDG No:

Matrix: (soil/water) Soil

Lab Sample ID: LCS9021207a

Sample wt/vol: 5.00 (g)

Lab File ID: 0211904.D

Level: (low/med) low

% Moisture: not dec.

Date Analyzed: 2007-02-12 09:49

GC Column: DB-624 ID: 0.2 (mm)

Dilution Factor: 1

Soil Extract Volume: NA

Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/kg)	SAMP CONC (µg/kg)	% REC #	QC LIMITS
71-43-2	benzene	30.0	27.4	91.4	77.6-122
108-90-7	chlorobenzene	30.0	30.6	102	75.3-125
75-35-4	1,1-dichloroethene	30.0	26.1	87.1	78.5-121
108-88-3	toluene	30.0	27.3	91.0	75.7-124
79-01-6	trichloroethene	30.0	25.6	85.3	60.8-139

System Monitoring Compound Results

		Spike Added (µg/kg)	Spike Result (µg/kg)	Percent Rec. (%)	Percent Recovery (%)
460-00-4	4-Bromofluorobenzene	50	47.0	95.0	49.1 - 151
17060-07-0	1,2-Dichloroethane-d4	50	47.0	94.0	37.8 - 170
2037-26-5	Toluene-d8	50	47.0	93.0	58.8 - 144



SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: SGS Environmental

Contract:

Lab Code: NC00919

Case No.:

SAS No.:

SDG No.:

LCS: LCS9021207A

Filename: 0211904.D

Date Analyzed: 02/12/07 09:49 Dilution: 1

LCSD: LCS9021207B

Filename: 0212905.D

Date Analyzed: 02/12/07 10:15 Matrix: Soil

COMPOUND	LCS SPIKE (µg/kg)	LCS CONC (µg/kg)	LCS % REC #	LCSD SPIKE (µg/kg)	LCSD CONC (µg/kg)	LCSD % REC #	% RPD	QC LIMITS	
								RPD	REC
benzene	30.0	27.4	91.4	30.0	28.6	95.2	4.04	30	77.6-122
chlorobenzene	30.0	30.6	102	30.0	30.7	102	0.0978	30	75.3-125
1,1-dichloroethene	30.0	26.1	87.1	30.0	27.2	90.7	4.01	30	78.5-121
toluene	30.0	27.3	91.0	30.0	27.8	92.6	1.78	30	75.7-124
trichloroethene	30.0	25.6	85.3	30.0	27.1	90.4	5.77	30	60.8-139

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____



**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF-SS-01A
 Client Project ID: CSFF
 Lab Sample ID: G649-10-1G
 Lab Project ID: G649-10
 Report Basis: Dry weight

Analyzed By: EAW
 Date Collected: 2/8/2007 14:00
 Date Received: 2/8/2007
 Date Extracted: 2/9/2007
 Matrix: Soil
 % Solids: 82.25

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	370	52.9	1	2/12/2007	
Acenaphthylene	BQL	370	49.2	1	2/12/2007	
Anthracene	BQL	370	53.6	1	2/12/2007	
Benzo[a]anthracene	137	370	64.0	1	2/12/2007	J
Benzo[a]pyrene	152	370	56.6	1	2/12/2007	J
Benzo[b]fluoranthene	222	370	64.7	1	2/12/2007	J
Benzo[g,h,i]perylene	BQL	370	101	1	2/12/2007	
Benzo[k]fluoranthene	BQL	370	71.4	1	2/12/2007	
Benzoic Acid	BQL	740	740	1	2/12/2007	
Bis(2-chloroethoxy)methane	BQL	370	55.1	1	2/12/2007	
Bis(2-chloroethyl)ether	BQL	370	44.8	1	2/12/2007	
Bis(2-chloroisopropyl)ether	BQL	370	46.2	1	2/12/2007	
Bis(2-ethylhexyl)phthalate	55.5	370	49.6	1	2/12/2007	J
4-bromophenyl phenyl ether	BQL	370	62.5	1	2/12/2007	
Butylbenzylphthalate	BQL	370	57.0	1	2/12/2007	
2-Chloronaphthalene	BQL	370	58.1	1	2/12/2007	
2-Chlorophenol	BQL	370	116	1	2/12/2007	
4-Chloro-3-methylphenol	BQL	370	115	1	2/12/2007	
4-Chloroaniline	BQL	1850	282	1	2/12/2007	
4-Chlorophenyl phenyl ether	BQL	370	54.4	1	2/12/2007	
Chrysene	159	370	39.9	1	2/12/2007	J
Dibenzo[a,h]anthracene	BQL	370	104	1	2/12/2007	
Dibenzofuran	BQL	370	67.3	1	2/12/2007	
Di-n-Butylphthalate	BQL	370	44.0	1	2/12/2007	
1,2-Dichlorobenzene	BQL	370	41.1	1	2/12/2007	
1,3-Dichlorobenzene	BQL	370	40.3	1	2/12/2007	
1,4-Dichlorobenzene	BQL	370	41.8	1	2/12/2007	
3,3'-Dichlorobenzidine	BQL	740	93.2	1	2/12/2007	
2,4-Dichlorophenol	BQL	370	133	1	2/12/2007	
Diethylphthalate	BQL	370	47.7	1	2/12/2007	
Dimethylphthalate	BQL	370	44.8	1	2/12/2007	
2,4-Dimethylphenol	BQL	370	264	1	2/12/2007	
Di-n-octylphthalate	BQL	370	61.0	1	2/12/2007	
4,6-Dinitro-2-methylphenol	BQL	1850	218	1	2/12/2007	
2,4-Dinitrophenol	BQL	1850	814	1	2/12/2007	
2,4-Dinitrotoluene	BQL	370	48.1	1	2/12/2007	
2,6-Dinitrotoluene	BQL	370	67.3	1	2/12/2007	
Diphenylamine *	BQL	370	36.2	1	2/12/2007	
Fluoranthene	248	370	51.8	1	2/12/2007	J
Fluorene	BQL	370	45.9	1	2/12/2007	
Hexachlorobenzene	BQL	370	57.0	1	2/12/2007	
Hexachlorobutadiene	BQL	370	59.2	1	2/12/2007	
Hexachlorocyclopentadiene	BQL	740	38.1	1	2/12/2007	
Hexachloroethane	BQL	370	33.3	1	2/12/2007	
Indeno(1,2,3-c,d)pyrene	111	370	94.7	1	2/12/2007	J
Isophorone	BQL	370	54.4	1	2/12/2007	

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF-SS-01A
Client Project ID: CSFF
Lab Sample ID: G649-10-1G
Lab Project ID: G649-10
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 2/8/2007 14:00
Date Received: 2/8/2007
Date Extracted: 2/9/2007
Matrix: Soil
% Solids: 82.25

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
2-Methylnaphthalene	BQL	370	108	1	2/12/2007	
2-Methylphenol	BQL	370	130	1	2/12/2007	
3- & 4-Methylphenol	BQL	370	125	1	2/12/2007	
Naphthalene	BQL	370	30.0	1	2/12/2007	
2-Nitroaniline	BQL	370	58.1	1	2/12/2007	
3-Nitroaniline	BQL	1850	381	1	2/12/2007	
4-Nitroaniline	BQL	1850	114	1	2/12/2007	
Nitrobenzene	BQL	370	49.9	1	2/12/2007	
2-Nitrophenol	BQL	370	115	1	2/12/2007	
4-Nitrophenol	BQL	1850	102	1	2/12/2007	
N-Nitrosodi-n-propylamine	BQL	370	47.0	1	2/12/2007	
Pentachlorophenol	BQL	1850	96.5	1	2/12/2007	
Phenanthrene	85.1	370	42.2	1	2/12/2007	J
Phenol	BQL	370	101	1	2/12/2007	
Pyrene	200	370	71.0	1	2/12/2007	J
1,2,4-Trichlorobenzene	BQL	370	46.2	1	2/12/2007	
2,4,5-Trichlorophenol	BQL	370	143	1	2/12/2007	
2,4,6-Trichlorophenol	BQL	370	132	1	2/12/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
2-Fluorophenol	10	9.4	94
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	10.1	101
2,4,6-Tribromophenol	10	9.6	96
4-Terphenyl-d14	10	8.5	85

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: RSP

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF-SS-02A
Client Project ID: CSFF
Lab Sample ID: G649-10-2G
Lab Project ID: G649-10
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 2/8/2007 13:40
Date Received: 2/8/2007
Date Extracted: 2/9/2007
Matrix: Soil
% Solids: 80.92

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	371	53.1	1	2/12/2007	
Acenaphthylene	BQL	371	49.3	1	2/12/2007	
Anthracene	BQL	371	53.8	1	2/12/2007	
Benzo[a]anthracene	92.7	371	64.2	1	2/12/2007	J
Benzo[a]pyrene	96.5	371	56.8	1	2/12/2007	J
Benzo[b]fluoranthene	137	371	64.9	1	2/12/2007	J
Benzo[g,h,i]perylene	BQL	371	101	1	2/12/2007	
Benzo[k]fluoranthene	BQL	371	71.6	1	2/12/2007	
Benzoic Acid	BQL	742	742	1	2/12/2007	
Bis(2-chloroethoxy)methane	BQL	371	55.3	1	2/12/2007	
Bis(2-chloroethyl)ether	BQL	371	44.9	1	2/12/2007	
Bis(2-chloroisopropyl)ether	BQL	371	46.4	1	2/12/2007	
Bis(2-ethylhexyl)phthalate	BQL	371	49.7	1	2/12/2007	
4-bromophenyl phenyl ether	BQL	371	62.7	1	2/12/2007	
Butylbenzylphthalate	BQL	371	57.1	1	2/12/2007	
2-Chloronaphthalene	BQL	371	58.2	1	2/12/2007	
2-Chlorophenol	BQL	371	116	1	2/12/2007	
4-Chloro-3-methylphenol	BQL	371	116	1	2/12/2007	
4-Chloroaniline	BQL	1850	283	1	2/12/2007	
4-Chlorophenyl phenyl ether	BQL	371	54.5	1	2/12/2007	
Chrysene	115	371	40.1	1	2/12/2007	J
Dibenzo[a,h]anthracene	BQL	371	104	1	2/12/2007	
Dibenzofuran	BQL	371	67.5	1	2/12/2007	
Di-n-Butylphthalate	BQL	371	44.1	1	2/12/2007	
1,2-Dichlorobenzene	BQL	371	41.2	1	2/12/2007	
1,3-Dichlorobenzene	BQL	371	40.4	1	2/12/2007	
1,4-Dichlorobenzene	BQL	371	41.9	1	2/12/2007	
3,3'-Dichlorobenzidine	BQL	742	93.5	1	2/12/2007	
2,4-Dichlorophenol	BQL	371	134	1	2/12/2007	
Diethylphthalate	BQL	371	47.9	1	2/12/2007	
Dimethylphthalate	BQL	371	44.9	1	2/12/2007	
2,4-Dimethylphenol	BQL	371	265	1	2/12/2007	
Di-n-octylphthalate	BQL	371	61.2	1	2/12/2007	
4,6-Dinitro-2-methylphenol	BQL	1850	219	1	2/12/2007	
2,4-Dinitrophenol	BQL	1850	817	1	2/12/2007	
2,4-Dinitrotoluene	BQL	371	48.2	1	2/12/2007	
2,6-Dinitrotoluene	BQL	371	67.5	1	2/12/2007	
Diphenylamine *	BQL	371	36.4	1	2/12/2007	
Fluoranthene	148	371	51.9	1	2/12/2007	J
Fluorene	BQL	371	46.0	1	2/12/2007	
Hexachlorobenzene	BQL	371	57.1	1	2/12/2007	
Hexachlorobutadiene	BQL	371	59.4	1	2/12/2007	
Hexachlorocyclopentadiene	BQL	742	38.2	1	2/12/2007	
Hexachloroethane	BQL	371	33.4	1	2/12/2007	
Indeno(1,2,3-c,d)pyrene	BQL	371	95.0	1	2/12/2007	
Isophorone	BQL	371	54.5	1	2/12/2007	

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF-SS-02A
Client Project ID: CSFF
Lab Sample ID: G649-10-2G
Lab Project ID: G649-10
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 2/8/2007 13:40
Date Received: 2/8/2007
Date Extracted: 2/9/2007
Matrix: Soil
% Solids: 80.92

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
2-Methylnaphthalene	BQL	371	108	1	2/12/2007	
2-Methylphenol	BQL	371	131	1	2/12/2007	
3- & 4-Methylphenol	BQL	371	126	1	2/12/2007	
Naphthalene	BQL	371	30.1	1	2/12/2007	
2-Nitroaniline	BQL	371	58.2	1	2/12/2007	
3-Nitroaniline	BQL	1850	382	1	2/12/2007	
4-Nitroaniline	BQL	1850	114	1	2/12/2007	
Nitrobenzene	BQL	371	50.1	1	2/12/2007	
2-Nitrophenol	BQL	371	115	1	2/12/2007	
4-Nitrophenol	BQL	1850	103	1	2/12/2007	
N-Nitrosodi-n-propylamine	BQL	371	47.1	1	2/12/2007	
Pentachlorophenol	BQL	1850	96.8	1	2/12/2007	
Phenanthrene	100	371	42.3	1	2/12/2007	J
Phenol	BQL	371	102	1	2/12/2007	
Pyrene	152	371	71.2	1	2/12/2007	J
1,2,4-Trichlorobenzene	BQL	371	46.4	1	2/12/2007	
2,4,5-Trichlorophenol	BQL	371	144	1	2/12/2007	
2,4,6-Trichlorophenol	BQL	371	132	1	2/12/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
2-Fluorophenol	10	8.9	89
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	9.7	97
2,4,6-Tribromophenol	10	9.6	96
4-Terphenyl-d14	10	9.2	92

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: EAW

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF-SS-04A
Client Project ID: CSFF
Lab Sample ID: G649-10-3G
Lab Project ID: G649-10
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 2/8/2007 13:20
Date Received: 2/8/2007
Date Extracted: 2/9/2007
Matrix: Soil
% Solids: 64.58

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	477	68.3	1	2/12/2007	
Acenaphthylene	BQL	477	63.5	1	2/12/2007	
Anthracene	BQL	477	69.2	1	2/12/2007	
Benzo[a]anthracene	BQL	477	82.6	1	2/12/2007	
Benzo[a]pyrene	BQL	477	73.0	1	2/12/2007	
Benzo[b]fluoranthene	BQL	477	83.5	1	2/12/2007	
Benzo[g,h,i]perylene	BQL	477	130	1	2/12/2007	
Benzo[k]fluoranthene	BQL	477	92.1	1	2/12/2007	
Benzoic Acid	BQL	955	955	1	2/12/2007	
Bis(2-chloroethoxy)methane	BQL	477	71.1	1	2/12/2007	
Bis(2-chloroethyl)ether	BQL	477	57.8	1	2/12/2007	
Bis(2-chloroisopropyl)ether	BQL	477	59.7	1	2/12/2007	
Bis(2-ethylhexyl)phthalate	BQL	477	64.0	1	2/12/2007	
4-bromophenyl phenyl ether	BQL	477	80.7	1	2/12/2007	
Butylbenzylphthalate	BQL	477	73.5	1	2/12/2007	
2-Chloronaphthalene	BQL	477	74.9	1	2/12/2007	
2-Chlorophenol	BQL	477	149	1	2/12/2007	
4-Chloro-3-methylphenol	BQL	477	149	1	2/12/2007	
4-Chloroaniline	BQL	2390	364	1	2/12/2007	
4-Chlorophenyl phenyl ether	BQL	477	70.2	1	2/12/2007	
Chrysene	BQL	477	51.6	1	2/12/2007	
Dibenzo[a,h]anthracene	BQL	477	134	1	2/12/2007	
Dibenzofuran	BQL	477	86.9	1	2/12/2007	
Di-n-Butylphthalate	BQL	477	56.8	1	2/12/2007	
1,2-Dichlorobenzene	BQL	477	53.0	1	2/12/2007	
1,3-Dichlorobenzene	BQL	477	52.0	1	2/12/2007	
1,4-Dichlorobenzene	BQL	477	53.9	1	2/12/2007	
3,3'-Dichlorobenzidine	BQL	955	120	1	2/12/2007	
2,4-Dichlorophenol	BQL	477	172	1	2/12/2007	
Diethylphthalate	BQL	477	61.6	1	2/12/2007	
Dimethylphthalate	BQL	477	57.8	1	2/12/2007	
2,4-Dimethylphenol	BQL	477	341	1	2/12/2007	
Di-n-octylphthalate	BQL	477	78.8	1	2/12/2007	
4,6-Dinitro-2-methylphenol	BQL	2390	281	1	2/12/2007	
2,4-Dinitrophenol	BQL	2390	1050	1	2/12/2007	
2,4-Dinitrotoluene	BQL	477	62.1	1	2/12/2007	
2,6-Dinitrotoluene	BQL	477	86.9	1	2/12/2007	
Diphenylamine *	BQL	477	46.8	1	2/12/2007	
Fluoranthene	71.6	477	66.8	1	2/12/2007	J
Fluorene	BQL	477	59.2	1	2/12/2007	
Hexachlorobenzene	BQL	477	73.5	1	2/12/2007	
Hexachlorobutadiene	BQL	477	76.4	1	2/12/2007	
Hexachlorocyclopentadiene	BQL	955	49.2	1	2/12/2007	
Hexachloroethane	BQL	477	43.0	1	2/12/2007	
Indeno(1,2,3-c,d)pyrene	BQL	477	122	1	2/12/2007	
Isophorone	BQL	477	70.2	1	2/12/2007	

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF-SS-04A
Client Project ID: CSFF
Lab Sample ID: G649-10-3G
Lab Project ID: G649-10
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 2/8/2007 13:20
Date Received: 2/8/2007
Date Extracted: 2/9/2007
Matrix: Soil
% Solids: 64.58

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
2-Methylnaphthalene	BQL	477	139	1	2/12/2007	
2-Methylphenol	BQL	477	168	1	2/12/2007	
3- & 4-Methylphenol	BQL	477	162	1	2/12/2007	
Naphthalene	BQL	477	38.7	1	2/12/2007	
2-Nitroaniline	BQL	477	74.9	1	2/12/2007	
3-Nitroaniline	BQL	2390	492	1	2/12/2007	
4-Nitroaniline	BQL	2390	147	1	2/12/2007	
Nitrobenzene	BQL	477	64.4	1	2/12/2007	
2-Nitrophenol	BQL	477	148	1	2/12/2007	
4-Nitrophenol	BQL	2390	132	1	2/12/2007	
N-Nitrosodi-n-propylamine	BQL	477	60.6	1	2/12/2007	
Pentachlorophenol	BQL	2390	125	1	2/12/2007	
Phenanthrene	BQL	477	54.4	1	2/12/2007	
Phenol	BQL	477	131	1	2/12/2007	
Pyrene	BQL	477	91.6	1	2/12/2007	
1,2,4-Trichlorobenzene	BQL	477	59.7	1	2/12/2007	
2,4,5-Trichlorophenol	BQL	477	185	1	2/12/2007	
2,4,6-Trichlorophenol	BQL	477	170	1	2/12/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.8	58
2-Fluorophenol	10	9.4	94
Nitrobenzene-d5	10	9.2	92
Phenol-d6	10	10.1	101
2,4,6-Tribromophenol	10	7.3	73
4-Terphenyl-d14	10	6.3	63

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: Raf

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF-SS-013A
Client Project ID: CSFF
Lab Sample ID: G649-10-4G
Lab Project ID: G649-10
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 2/8/2007 13:00
Date Received: 2/8/2007
Date Extracted: 2/9/2007
Matrix: Soil
% Solids: 85.32

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	416	730	104	2	2/14/2007	J
Acenaphthylene	BQL	730	97.2	2	2/14/2007	
Anthracene	1450	730	106	2	2/14/2007	
Benzo[a]anthracene	3160	730	126	2	2/14/2007	
Benzo[a]pyrene	2210	730	112	2	2/14/2007	
Benzo[b]fluoranthene	1800	730	128	2	2/14/2007	
Benzo[g,h,i]perylene	1110	730	199	2	2/14/2007	
Benzo[k]fluoranthene	1450	730	141	2	2/14/2007	
Benzoic Acid	BQL	1460	1460	2	2/14/2007	
Bis(2-chloroethoxy)methane	BQL	730	109	2	2/14/2007	
Bis(2-chloroethyl)ether	BQL	730	88.4	2	2/14/2007	
Bis(2-chloroisopropyl)ether	BQL	730	91.3	2	2/14/2007	
Bis(2-ethylhexyl)phthalate	BQL	730	97.9	2	2/14/2007	
4-bromophenyl phenyl ether	BQL	730	123	2	2/14/2007	
Butylbenzylphthalate	BQL	730	112	2	2/14/2007	
2-Chloronaphthalene	BQL	730	115	2	2/14/2007	
2-Chlorophenol	BQL	730	229	2	2/14/2007	
4-Chloro-3-methylphenol	BQL	730	228	2	2/14/2007	
4-Chloroaniline	BQL	3650	557	2	2/14/2007	
4-Chlorophenyl phenyl ether	BQL	730	107	2	2/14/2007	
Chrysene	2890	730	78.9	2	2/14/2007	
Dibenzo[a,h]anthracene	BQL	730	205	2	2/14/2007	
Dibenzofuran	241	730	133	2	2/14/2007	J
Di-n-Butylphthalate	BQL	730	86.9	2	2/14/2007	
1,2-Dichlorobenzene	BQL	730	81.1	2	2/14/2007	
1,3-Dichlorobenzene	BQL	730	79.6	2	2/14/2007	
1,4-Dichlorobenzene	BQL	730	82.5	2	2/14/2007	
3,3'-Dichlorobenzidine	BQL	1460	184	2	2/14/2007	
2,4-Dichlorophenol	BQL	730	263	2	2/14/2007	
Diethylphthalate	BQL	730	94.2	2	2/14/2007	
Dimethylphthalate	BQL	730	88.4	2	2/14/2007	
2,4-Dimethylphenol	BQL	730	522	2	2/14/2007	
Di-n-octylphthalate	BQL	730	121	2	2/14/2007	
4,6-Dinitro-2-methylphenol	BQL	3650	430	2	2/14/2007	
2,4-Dinitrophenol	BQL	3650	1610	2	2/14/2007	
2,4-Dinitrotoluene	BQL	730	95.0	2	2/14/2007	
2,6-Dinitrotoluene	BQL	730	133	2	2/14/2007	
Diphenylamine *	BQL	730	71.6	2	2/14/2007	
Fluoranthene	7180	730	102	2	2/14/2007	
Fluorene	577	730	90.6	2	2/14/2007	J
Hexachlorobenzene	BQL	730	112	2	2/14/2007	
Hexachlorobutadiene	BQL	730	117	2	2/14/2007	
Hexachlorocyclopentadiene	BQL	1460	75.2	2	2/14/2007	
Hexachloroethane	BQL	730	65.7	2	2/14/2007	
Indeno(1,2,3-c,d)pyrene	1420	730	187	2	2/14/2007	
Isophorone	BQL	730	107	2	2/14/2007	
2-Methylnaphthalene	BQL	730	213	2	2/14/2007	

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF-SS-013A
Client Project ID: CSFF
Lab Sample ID: G649-10-4G
Lab Project ID: G649-10
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 2/8/2007 13:00
Date Received: 2/8/2007
Date Extracted: 2/9/2007
Matrix: Soil
% Solids: 85.32

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
2-Methylphenol	BQL	730	257	2	2/14/2007	
3- & 4-Methylphenol	BQL	730	248	2	2/14/2007	
Naphthalene	BQL	730	59.2	2	2/14/2007	
2-Nitroaniline	BQL	730	115	2	2/14/2007	
3-Nitroaniline	BQL	3650	752	2	2/14/2007	
4-Nitroaniline	BQL	3650	225	2	2/14/2007	
Nitrobenzene	BQL	730	98.6	2	2/14/2007	
2-Nitrophenol	BQL	730	226	2	2/14/2007	
4-Nitrophenol	BQL	3650	202	2	2/14/2007	
N-Nitrosodi-n-propylamine	BQL	730	92.8	2	2/14/2007	
Pentachlorophenol	BQL	3650	191	2	2/14/2007	
Phenanthrene	5790	730	83.3	2	2/14/2007	
Phenol	BQL	730	200	2	2/14/2007	
Pyrene	6600	730	140	2	2/14/2007	
1,2,4-Trichlorobenzene	BQL	730	91.3	2	2/14/2007	
2,4,5-Trichlorophenol	BQL	730	283	2	2/14/2007	
2,4,6-Trichlorophenol	BQL	730	260	2	2/14/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	5	4.4	89
2-Fluorophenol	5	4.3	87
Nitrobenzene-d5	5	4.5	90
Phenol-d6	5	4.5	89
2,4,6-Tribromophenol	5	4.6	92
4-Terphenyl-d14	5	5	100

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: R. P.

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF-SS-014A
Client Project ID: CSFF
Lab Sample ID: G649-10-5G
Lab Project ID: G649-10
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 2/8/2007 12:30
Date Received: 2/8/2007
Date Extracted: 2/9/2007
Matrix: Soil
% Solids: 87.32

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	224	355	50.7	1	2/12/2007	J
Acenaphthylene	BQL	355	47.2	1	2/12/2007	
Anthracene	564	355	51.4	1	2/12/2007	
Benzo[a]anthracene	1050	355	61.4	1	2/12/2007	
Benzo[a]pyrene	795	355	54.3	1	2/12/2007	
Benzo[b]fluoranthene	986	355	62.1	1	2/12/2007	
Benzo[g,h,i]perylene	536	355	96.5	1	2/12/2007	
Benzo[k]fluoranthene	401	355	68.5	1	2/12/2007	
Benzoic Acid	BQL	710	710	1	2/12/2007	
Bis(2-chloroethoxy)methane	BQL	355	52.9	1	2/12/2007	
Bis(2-chloroethyl)ether	BQL	355	42.9	1	2/12/2007	
Bis(2-chloroisopropyl)ether	BQL	355	44.3	1	2/12/2007	
Bis(2-ethylhexyl)phthalate	67.4	355	47.5	1	2/12/2007	J
4-bromophenyl phenyl ether	BQL	355	60.0	1	2/12/2007	
Butylbenzylphthalate	BQL	355	54.6	1	2/12/2007	
2-Chloronaphthalene	BQL	355	55.7	1	2/12/2007	
2-Chlorophenol	BQL	355	111	1	2/12/2007	
4-Chloro-3-methylphenol	BQL	355	111	1	2/12/2007	
4-Chloroaniline	BQL	1770	270	1	2/12/2007	
4-Chlorophenyl phenyl ether	BQL	355	52.2	1	2/12/2007	
Chrysene	993	355	38.3	1	2/12/2007	
Dibenzo[a,h]anthracene	BQL	355	99.3	1	2/12/2007	
Dibenzofuran	131	355	64.6	1	2/12/2007	J
Di-n-Butylphthalate	BQL	355	42.2	1	2/12/2007	
1,2-Dichlorobenzene	BQL	355	39.4	1	2/12/2007	
1,3-Dichlorobenzene	BQL	355	38.7	1	2/12/2007	
1,4-Dichlorobenzene	BQL	355	40.1	1	2/12/2007	
3,3'-Dichlorobenzidine	BQL	710	89.4	1	2/12/2007	
2,4-Dichlorophenol	BQL	355	128	1	2/12/2007	
Diethylphthalate	BQL	355	45.8	1	2/12/2007	
Dimethylphthalate	BQL	355	42.9	1	2/12/2007	
2,4-Dimethylphenol	BQL	355	254	1	2/12/2007	
Di-n-octylphthalate	BQL	355	58.5	1	2/12/2007	
4,6-Dinitro-2-methylphenol	BQL	1770	209	1	2/12/2007	
2,4-Dinitrophenol	BQL	1770	781	1	2/12/2007	
2,4-Dinitrotoluene	BQL	355	46.1	1	2/12/2007	
2,6-Dinitrotoluene	BQL	355	64.6	1	2/12/2007	
Diphenylamine *	BQL	355	34.8	1	2/12/2007	
Fluoranthene	2800	355	49.7	1	2/12/2007	
Fluorene	287	355	44.0	1	2/12/2007	J
Hexachlorobenzene	BQL	355	54.6	1	2/12/2007	
Hexachlorobutadiene	BQL	355	56.8	1	2/12/2007	
Hexachlorocyclopentadiene	BQL	710	36.5	1	2/12/2007	
Hexachloroethane	BQL	355	31.9	1	2/12/2007	
Indeno(1,2,3-c,d)pyrene	507	355	90.8	1	2/12/2007	
Isophorone	BQL	355	52.2	1	2/12/2007	

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF-SS-014A
Client Project ID: CSFF
Lab Sample ID: G649-10-5G
Lab Project ID: G649-10
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 2/8/2007 12:30
Date Received: 2/8/2007
Date Extracted: 2/9/2007
Matrix: Soil
% Solids: 87.32

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
2-Methylnaphthalene	BQL	355	104	1	2/12/2007	
2-Methylphenol	BQL	355	125	1	2/12/2007	
3- & 4-Methylphenol	BQL	355	120	1	2/12/2007	
Naphthalene	BQL	355	28.7	1	2/12/2007	
2-Nitroaniline	BQL	355	55.7	1	2/12/2007	
3-Nitroaniline	BQL	1770	365	1	2/12/2007	
4-Nitroaniline	BQL	1770	109	1	2/12/2007	
Nitrobenzene	BQL	355	47.9	1	2/12/2007	
2-Nitrophenol	BQL	355	110	1	2/12/2007	
4-Nitrophenol	BQL	1770	98.3	1	2/12/2007	
N-Nitrosodi-n-propylamine	BQL	355	45.1	1	2/12/2007	
Pentachlorophenol	BQL	1770	92.6	1	2/12/2007	
Phenanthrene	2130	355	40.4	1	2/12/2007	
Phenol	BQL	355	97.2	1	2/12/2007	
Pyrene	2120	355	68.1	1	2/12/2007	
1,2,4-Trichlorobenzene	BQL	355	44.3	1	2/12/2007	
2,4,5-Trichlorophenol	BQL	355	137	1	2/12/2007	
2,4,6-Trichlorophenol	BQL	355	126	1	2/12/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
2-Fluorophenol	10	8.9	89
Nitrobenzene-d5	10	9	90
Phenol-d6	10	9.7	97
2,4,6-Tribromophenol	10	9.7	97
4-Terphenyl-d14	10	9.1	91

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: RJP

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB7301
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 2/9/2007
Matrix: SOIL
% Solids: 100

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	313	44.7	1	2/12/2007	
Acenaphthylene	BQL	313	41.6	1	2/12/2007	
Anthracene	BQL	313	45.3	1	2/12/2007	
Benzo[a]anthracene	BQL	313	54.1	1	2/12/2007	
Benzo[a]pyrene	BQL	313	47.8	1	2/12/2007	
Benzo[b]fluoranthene	BQL	313	54.7	1	2/12/2007	
Benzo[g,h,i]perylene	BQL	313	85.0	1	2/12/2007	
Benzo[k]fluoranthene	BQL	313	60.3	1	2/12/2007	
Benzoic Acid	BQL	625	625	1	2/12/2007	
Bis(2-chloroethoxy)methane	BQL	313	46.6	1	2/12/2007	
Bis(2-chloroethyl)ether	BQL	313	37.8	1	2/12/2007	
Bis(2-chloroisopropyl)ether	BQL	313	39.1	1	2/12/2007	
Bis(2-ethylhexyl)phthalate	BQL	313	41.9	1	2/12/2007	
4-bromophenyl phenyl ether	BQL	313	52.8	1	2/12/2007	
Butylbenzylphthalate	BQL	313	48.1	1	2/12/2007	
2-Chloronaphthalene	BQL	313	49.1	1	2/12/2007	
2-Chlorophenol	BQL	313	97.8	1	2/12/2007	
4-Chloro-3-methylphenol	BQL	313	97.5	1	2/12/2007	
4-Chloroaniline	BQL	1560	238	1	2/12/2007	
4-Chlorophenyl phenyl ether	BQL	313	45.9	1	2/12/2007	
Chrysene	BQL	313	33.8	1	2/12/2007	
Dibenzo[a,h]anthracene	BQL	313	87.5	1	2/12/2007	
Dibenzofuran	BQL	313	56.9	1	2/12/2007	
Di-n-Butylphthalate	BQL	313	37.2	1	2/12/2007	
1,2-Dichlorobenzene	BQL	313	34.7	1	2/12/2007	
1,3-Dichlorobenzene	BQL	313	34.1	1	2/12/2007	
1,4-Dichlorobenzene	BQL	313	35.3	1	2/12/2007	
3,3'-Dichlorobenzidine	BQL	625	78.8	1	2/12/2007	
2,4-Dichlorophenol	BQL	313	113	1	2/12/2007	
Diethylphthalate	BQL	313	40.3	1	2/12/2007	
Dimethylphthalate	BQL	313	37.8	1	2/12/2007	
2,4-Dimethylphenol	BQL	313	223	1	2/12/2007	
Di-n-octylphthalate	BQL	313	51.6	1	2/12/2007	
4,6-Dinitro-2-methylphenol	BQL	1560	184	1	2/12/2007	
2,4-Dinitrophenol	BQL	1560	688	1	2/12/2007	
2,4-Dinitrotoluene	BQL	313	40.6	1	2/12/2007	
2,6-Dinitrotoluene	BQL	313	56.9	1	2/12/2007	
Diphenylamine *	BQL	313	30.6	1	2/12/2007	
Fluoranthene	BQL	313	43.7	1	2/12/2007	
Fluorene	BQL	313	38.8	1	2/12/2007	
Hexachlorobenzene	BQL	313	48.1	1	2/12/2007	
Hexachlorobutadiene	BQL	313	50.0	1	2/12/2007	
Hexachlorocyclopentadiene	BQL	625	32.2	1	2/12/2007	
Hexachloroethane	BQL	313	28.1	1	2/12/2007	
Indeno(1,2,3-c,d)pyrene	BQL	313	80.0	1	2/12/2007	
Isophorone	BQL	313	45.9	1	2/12/2007	

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB7301
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 2/9/2007
Matrix: SOIL
% Solids: 100

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
2-Methylnaphthalene	BQL	313	91.2	1	2/12/2007	
2-Methylphenol	BQL	313	110	1	2/12/2007	
3- & 4-Methylphenol	BQL	313	106	1	2/12/2007	
Naphthalene	BQL	313	25.3	1	2/12/2007	
2-Nitroaniline	BQL	313	49.1	1	2/12/2007	
3-Nitroaniline	BQL	1560	322	1	2/12/2007	
4-Nitroaniline	BQL	1560	96.3	1	2/12/2007	
Nitrobenzene	BQL	313	42.2	1	2/12/2007	
2-Nitrophenol	BQL	313	96.9	1	2/12/2007	
4-Nitrophenol	BQL	1560	86.6	1	2/12/2007	
N-Nitrosodi-n-propylamine	BQL	313	39.7	1	2/12/2007	
Pentachlorophenol	BQL	1560	81.6	1	2/12/2007	
Phenanthrene	BQL	313	35.6	1	2/12/2007	
Phenol	BQL	313	85.6	1	2/12/2007	
Pyrene	BQL	313	60.0	1	2/12/2007	
1,2,4-Trichlorobenzene	BQL	313	39.1	1	2/12/2007	
2,4,5-Trichlorophenol	BQL	313	121	1	2/12/2007	
2,4,6-Trichlorophenol	BQL	313	111	1	2/12/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
2-Fluorophenol	10	8.2	82
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.9	89
2,4,6-Tribromophenol	10	9.2	92
4-Terphenyl-d14	10	8.8	88

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: R-L

Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS) by GCMS

Client Sample ID: Batch QC

Client Project ID:

Lab Sample ID: Batch-7301-MS/MSD/LCS

Lab Project ID: G135-290-44 (x5)

Matrix: SOIL

Prep Method: 3540

Date Collected:

Date Received:

Date Extracted: 02/09/07

Date Analyzed: 02/12/07

Analyzed By: EAW

Dilution: 1

	Sample Amount (µg/kg)	MS Spike (µg/kg)	MS Conc. (µg/kg)	MS Spike % Rec.	MSD Spike (µg/kg)	MSD Conc. (µg/kg)	MSD Conc. % Rec.	RPD	QC Limits	
									RPD	% Rec.
Acenaphthylene	BQL	3200	3680	115	3160	3750	119.0	3.17	30	73.0-140
4-Chloro-3-methylphenol	BQL	3200	89.6	2.80*	3160	19.0	0.600*	129*	30	80.0-115
2-Chlorophenol	BQL	3200	0.00	0.00*	3160	0.00	0.00*	0.00*	30	77.1-111
1,4-Dichlorobenzene	BQL	3200	3230	101	3160	3310	105.0	3.50	30	70.6-117
2,4-Dinitrotoluene	BQL	3200	2590	81.0	3160	3210	102.0	22.5	30	67.6-136
N-Nitrosodi-n-propylamine	BQL	3200	4120	129	3160	4210	133.0	3.21	30	74.3-133
4-Nitrophenol	BQL	3200	330	10.3*	3160	316	10.0*	2.96	30	56.8-133
Pentachlorophenol	BQL	3200	426	13.3*	3160	424	13.4*	0.749	30	29.2-108
Phenol	BQL	3200	80.0	2.50*	3160	85.5	2.70*	7.69	30	71.2-120
Pyrene	2110.00	3200	3540	111	3160	4480	141*	24.5	30	68.5-140
1,2,4-Trichlorobenzene	BQL	3200	3240	101	3160	3270	103.0	1.86	30	68.9-119

	Spiked Amount (µg/kg)	LCS Conc. (µg/kg)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	3125	3610	115	80.9-143
4-Chloro-3-methylphenol	3125	3250	104	83.9-124
2-Chlorophenol	3125	3080	98.7	80.3-119
1,4-Dichlorobenzene	3125	3390	109	76.3-118
2,4-Dinitrotoluene	3125	3510	112	80.6-126
N-Nitrosodi-n-propylamine	3125	3980	127	80.3-131
4-Nitrophenol	3125	2740	87.7	60.0-145
Pentachlorophenol	3125	2350	75.1	36.4-114
Phenol	3125	3030	96.9	74.3-117
Pyrene	3125	2740	87.8	74.7-141
1,2,4-Trichlorobenzene	3125	3240	104	74.1-120

Comments: Low surrogate recovery in MS/MSD confirmed by duplicate analysis.
Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.

NA = Not applicable.

Reviewed By: RNP

**VPH (Aliphatics/Aromatics) Laboratory Reporting Form**Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF-SS-01A
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/08/07
Date Received	02/08/07
Date Extracted	02/08/07
Date Analyzed	02/09/07
Dry Weight	82
Dilution Factor	1
C ₅ -C ₈ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₂ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₀ Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	110
Surrogate % Recovery - FID	110

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards.

Lab Info: g649-10-1f

Reviewed By: Russell

**VPH (Aliphatics/Aromatics) Laboratory Reporting Form**Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF-SS-02A
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/08/07
Date Received	02/08/07
Date Extracted	02/08/07
Date Analyzed	02/09/07
Dry Weight	81
Dilution Factor	1
C ₅ -C ₈ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₂ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₀ Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	120
Surrogate % Recovery - FID	110

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards.

Lab Info: g649-10-2fReviewed By: RLP

**VPH (Aliphatics/Aromatics) Laboratory Reporting Form**Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF-SS-04A
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/08/07
Date Received	02/08/07
Date Extracted	02/08/07
Date Analyzed	02/09/07
Dry Weight	65
Dilution Factor	1
C ₅ -C ₈ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₂ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₀ Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	110
Surrogate % Recovery - FID	110

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards.

Lab Info: g649-10-3f

Reviewed By: RL

**VPH (Aliphatics/Aromatics) Laboratory Reporting Form**Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF-SS-013A
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/08/07
Date Received	02/08/07
Date Extracted	02/08/07
Date Analyzed	02/09/07
Dry Weight	85
Dilution Factor	1
C ₅ -C ₈ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₂ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₀ Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	120
Surrogate % Recovery - FID	110

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards.

Lab Info: g649-10-4f

Reviewed By: EWL

**VPH (Aliphatics/Aromatics) Laboratory Reporting Form**Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF-SS-014A
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	02/08/07
Date Received	02/08/07
Date Extracted	02/08/07
Date Analyzed	02/09/07
Dry Weight	87
Dilution Factor	1
C ₅ -C ₈ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₂ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₀ Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	120
Surrogate % Recovery - FID	110

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards.

Lab Info: g649-10-5f

Reviewed By: ENP

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 01/03/07

PID Initial Calibration Date: 01/03/07

Calibration Ranges and Limits

Range	MDL (07/15/2004) (µg/L)	ML (µg/L)	RL (µg/L) (mg/Kg)	
C ₅ -C ₈ Aliphatics	4.4	14	100	10
C ₉ -C ₁₂ Aliphatics	3.4	11	100	10
C ₉ -C ₁₀ Aromatics	0.13	0.41	100	10

Calibration Concentration Levels

Range	Levels (µg/L)	%RSD or CCC	Method of Quantitation
C ₅ -C ₈ Aliphatics	40	9.7	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C ₉ -C ₁₂ Aliphatics	10	15.00	Calibration Factor
	250		
	500		
	750		
	1000		
C ₉ -C ₁₀ Aromatics	10	23.10	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 02/09/07

Calibration Check

Range	Levels (mg/Kg) (µg/L)		RPD
C ₅ -C ₈ Aliphatics	2000	200	7.6
C ₉ -C ₁₂ Aliphatics	500	50	3.9
C ₉ -C ₁₀ Aromatics	500	50	6.5

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

**EPH (Aliphatics/Aromatics) Results**

by MDEP-EPH

Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF-SS-01A
Sample Matrix	Soil
Date Collected	02/08/07
Date Received	02/08/07
Date Extracted	02/12/07
Date Analyzed	02/14/07
Dry Weight	82.3
Dilution Factor	1:1
C ₉ -C ₁₈ Aliphatics*	< 10 (mg/Kg)
C ₁₉ -C ₃₆ Aliphatics*	19 (mg/Kg)
C ₁₁ -C ₂₂ Aromatics*	19 (mg/Kg)
Aliphatic Surrogate % Recovery	100
Aromatic Surrogate % Recovery	95
Fractionation Surrogate 1 % Recovery	84

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G649-10-1H

Reviewed By: Red

**EPH (Aliphatics/Aromatics) Results**

by MDEP-EPH

Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF-SS-02A
Sample Matrix	Soil
Date Collected	02/08/07
Date Received	02/08/07
Date Extracted	02/12/07
Date Analyzed	02/14/07
Dry Weight	80.9
Dilution Factor	1:1
C ₉ -C ₁₈ Aliphatics*	< 10 (mg/Kg)
C ₁₉ -C ₃₆ Aliphatics*	< 10 (mg/Kg)
C ₁₁ -C ₂₂ Aromatics*	< 10 (mg/Kg)
Aliphatic Surrogate % Recovery	100
Aromatic Surrogate % Recovery	98
Fractionation Surrogate 1 % Recovery	97

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G649-10-2H

Reviewed By: RLP

**EPH (Aliphatics/Aromatics) Results**

by MDEP-EPH

Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF-SS-04A
Sample Matrix	Soil
Date Collected	02/08/07
Date Received	02/08/07
Date Extracted	02/12/07
Date Analyzed	02/15/07
Dry Weight	64.6
Dilution Factor	1:1
C ₉ -C ₁₈ Aliphatics*	< 10 (mg/Kg)
C ₁₉ -C ₃₆ Aliphatics*	23 (mg/Kg)
C ₁₁ -C ₂₂ Aromatics*	12 (mg/Kg)
Aliphatic Surrogate % Recovery	100
Aromatic Surrogate % Recovery	97
Fractionation Surrogate 1 % Recovery	99

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G649-10-3H

Reviewed By: PSJ

**EPH (Aliphatics/Aromatics) Results**

by MDEP-EPH

Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF-SS-013A
Sample Matrix	Soil
Date Collected	02/08/07
Date Received	02/08/07
Date Extracted	02/12/07
Date Analyzed	02/15/07
Dry Weight	85.3
Dilution Factor	1:1
C ₉ -C ₁₈ Aliphatics*	< 10 (mg/Kg)
C ₁₉ -C ₃₆ Aliphatics*	26 (mg/Kg)
C ₁₁ -C ₂₂ Aromatics*	14 (mg/Kg)
Aliphatic Surrogate % Recovery	98
Aromatic Surrogate % Recovery	90
Fractionation Surrogate 1 % Recovery	90

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G649-10-4H

Reviewed By: Ray?

**EPH (Aliphatics/Aromatics) Results**

by MDEP-EPH

Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF-SS-014A
Sample Matrix	Soil
Date Collected	02/08/07
Date Received	02/08/07
Date Extracted	02/12/07
Date Analyzed	02/15/07
Dry Weight	87.3
Dilution Factor	1:1
C ₉ -C ₁₈ Aliphatics*	< 10 (mg/Kg)
C ₁₉ -C ₃₆ Aliphatics*	14 (mg/Kg)
C ₁₁ -C ₂₂ Aromatics*	81 (mg/Kg)
Aliphatic Surrogate % Recovery	100
Aromatic Surrogate % Recovery	100
Fractionation Surrogate 1 % Recovery	100

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G649-10-51

Reviewed By: RM?

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 02/14/07

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L) (mg/Kg)
C ₉ -C ₁₈ Aliphatics	3.84	12.2	100 10
C ₁₉ -C ₃₆ Aliphatics	0.57	1.8	100 10
C ₁₁ -C ₂₂ Aromatics	4.54	14.4	100 10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	6	4.20	Calibration Factor
	30		
	60		
	120		
	240		
C ₁₉ -C ₃₆ Aliphatics	8	3.6	Calibration Factor
	40		
	80		
	160		
	320		
C ₁₁ -C ₂₂ Aromatics	17	7.2	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 02/14/07

Calibration Check

Range	Levels (µg/mL)	RPD
C ₉ -C ₁₈ Aliphatics	120	7.0
C ₁₉ -C ₃₆ Aliphatics	160	5.8
C ₁₁ -C ₂₂ Aromatics	340	12.6

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve



List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

- 1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.



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06200

1 CLIENT: OSAGE OF VA, INC PHONE NO: (757) 576-1066
CONTACT: JIM MARSON SITE/PSID#: NRW RIVER
PROJECT: CSFIE E-MAIL: MCRBB@OSAGEVA.COM
REPORTS TO: MIKE CRBB FAX NO: (757) 440-0411
INVOICE TO: MIKE CRBB QUOTE #
P.O. NUMBER

SGS Reference: 6649-10 PAGE 1 OF 1

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	NO CONTAINERS	SAMPLE TYPE	Preservatives Used	Analysis Required	REMARKS
	CSFF-SS-OIA	2-8-07	1400	S	6	C			
	CSFF-SS-DZA	2-8-07	1340	S	6	C			
	CSFF-SS-04A	2-8-07	1320	S	6	C			
	CSFF-SS-013A	2-8-07	1300	S	6	C			
	CSFF-SS-014A	2-8-07	1230	S	6	C			
	TRIP BLANK								

5 Collected/Relinquished By: (1) [Signature] Date 2-8-07 Time 1515
Relinquished By: (2) [Signature] Date 08 Feb 07 Time 1520
Relinquished By: (3) [Signature] Date Time
Relinquished By: (4) Date Time

Shipping Carrier: USPS Shipping Ticket No: 922507
Special Deliverable Requirements: None
Requested Turnaround Time and Special Instructions: 24 HR FAX

Samples Received Cold? (Circle) YES NO
Temperature (C): 7.2 Coming
Chain of Custody Seal: (Circle) Intact Broken ABSENT



Mr. Mike Cree
Osage of Virginia
PO Box 11006
Norfolk VA 23517

Report Number: G649-13

Client Project: CSFF

Dear Mr. Cree:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.


Laboratory Director
J. Patrick Weaver

3/16/2007
Date

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF SS 013/014B
Client Project ID: CSFF
Lab Sample ID G649-13-1A
Lab Project ID: G649-13
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 03-01-2007 10:30
Date Received: 3/1/2007
Matrix: Soil
%Solids: 90.6

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	28.8	50.1	2.95	1	3/8/2007	J
Benzene	BQL	5.01	2.86	1	3/8/2007	
Bromobenzene	BQL	5.01	2.46	1	3/8/2007	
Bromochloromethane	BQL	5.01	2.93	1	3/8/2007	
Bromodichloromethane	BQL	5.01	2.85	1	3/8/2007	
Bromoform	BQL	5.01	2.42	1	3/8/2007	
Bromomethane	BQL	5.01	4.20	1	3/8/2007	
2-Butanone	3.89	25.0	2.89	1	3/8/2007	J
n-Butylbenzene	BQL	5.01	3.36	1	3/8/2007	
sec-Butylbenzene	BQL	5.01	3.51	1	3/8/2007	
tert-Butylbenzene	BQL	5.01	3.48	1	3/8/2007	
Carbon disulfide	BQL	5.01	2.63	1	3/8/2007	
Carbon tetrachloride	BQL	5.01	3.47	1	3/8/2007	
Chlorobenzene	BQL	5.01	2.51	1	3/8/2007	
Chloroethane	BQL	5.01	3.15	1	3/8/2007	
Chloroform	BQL	5.01	2.51	1	3/8/2007	
Chloromethane	BQL	5.01	2.41	1	3/8/2007	
2-Chlorotoluene	BQL	5.01	2.99	1	3/8/2007	
4-Chlorotoluene	BQL	5.01	2.79	1	3/8/2007	
Dibromochloromethane	BQL	5.01	2.24	1	3/8/2007	
1,2-Dibromo-3-chloropropane	BQL	5.01	10.6	1	3/8/2007	
Dibromomethane	BQL	5.01	3.01	1	3/8/2007	
1,2-Dibromoethane (EDB)	BQL	5.01	2.33	1	3/8/2007	
1,2-Dichlorobenzene	BQL	5.01	2.41	1	3/8/2007	
1,3-Dichlorobenzene	BQL	5.01	2.34	1	3/8/2007	
1,4-Dichlorobenzene	BQL	5.01	2.46	1	3/8/2007	
trans-1,4-Dichloro-2-butene	BQL	5.01	10.7	1	3/8/2007	
1,1-Dichloroethane	BQL	5.01	2.89	1	3/8/2007	
1,1-Dichloroethene	BQL	5.01	3.86	1	3/8/2007	
1,2-Dichloroethane	BQL	5.01	2.88	1	3/8/2007	
cis-1,2-Dichloroethene	BQL	5.01	2.46	1	3/8/2007	
trans-1,2-dichloroethene	BQL	5.01	3.26	1	3/8/2007	
1,2-Dichloropropane	BQL	5.01	2.56	1	3/8/2007	
1,3-Dichloropropane	BQL	5.01	2.29	1	3/8/2007	
2,2-Dichloropropane	BQL	5.01	3.19	1	3/8/2007	
1,1-Dichloropropene	BQL	5.01	3.62	1	3/8/2007	
cis-1,3-Dichloropropene	BQL	5.01	2.79	1	3/8/2007	
trans-1,3-Dichloropropene	BQL	5.01	2.84	1	3/8/2007	
Dichlorodifluoromethane	BQL	5.01	3.74	1	3/8/2007	
Diisopropyl ether (DIPE)	BQL	5.01	2.37	1	3/8/2007	
Ethylbenzene	BQL	5.01	3.05	1	3/8/2007	
Hexachlorobutadiene	BQL	5.01	3.96	1	3/8/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF SS 013/014B
Client Project ID: CSFF
Lab Sample ID G649-13-1A
Lab Project ID: G649-13
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 03-01-2007 10:30
Date Received: 3/1/2007
Matrix: Soil
%Solids: 90.6

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.01	2.18	1	3/8/2007	
Iodomethane	BQL	5.01	4.66	1	3/8/2007	
Isopropylbenzene	BQL	5.01	3.23	1	3/8/2007	
4-Isopropyltoluene	BQL	5.01	3.41	1	3/8/2007	
Methylene chloride	BQL	20.0	2.87	1	3/8/2007	
4-Methyl-2-pentanone	BQL	5.01	2.31	1	3/8/2007	
Methyl-tert-butyl ether (MTBE)	BQL	5.01	2.54	1	3/8/2007	
Naphthalene	BQL	5.01	2.01	1	3/8/2007	
n-Propyl benzene	BQL	5.01	3.22	1	3/8/2007	
Styrene	BQL	5.01	3.59	1	3/8/2007	
1,1,1,2-Tetrachloroethane	BQL	5.01	2.72	1	3/8/2007	
1,1,2,2-Tetrachloroethane	BQL	5.01	2.46	1	3/8/2007	
Tetrachloroethene	BQL	5.01	3.16	1	3/8/2007	
Toluene	BQL	5.01	2.97	1	3/8/2007	
1,2,3-Trichlorobenzene	BQL	5.01	2.19	1	3/8/2007	
1,2,4-Trichlorobenzene	BQL	5.01	2.24	1	3/8/2007	
Trichloroethene	BQL	5.01	3.13	1	3/8/2007	
1,1,1-Trichloroethane	BQL	5.01	3.46	1	3/8/2007	
1,1,2-Trichloroethane	BQL	5.01	2.58	1	3/8/2007	
Trichlorofluoromethane	BQL	5.01	4.14	1	3/8/2007	
1,2,3-Trichloropropane	BQL	5.01	2.65	1	3/8/2007	
1,2,4-Trimethylbenzene	BQL	5.01	2.81	1	3/8/2007	
1,3,5-Trimethylbenzene	BQL	5.01	2.99	1	3/8/2007	
Vinyl chloride	BQL	5.01	3.31	1	3/8/2007	
m-,p-Xylene	BQL	10.0	5.68	1	3/8/2007	
o-Xylene	BQL	5.01	2.81	1	3/8/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	35.7	71
1,2-Dichloroethane-d4	50	64	128
Toluene-d8	50	46	92

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: RZV

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF SS 001/002B
Client Project ID: CSFF
Lab Sample ID G649-13-2A
Lab Project ID: G649-13
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 03-01-2007 10:40
Date Received: 3/1/2007
Matrix: Soil
%Solids: 84.9

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	25.5	51.5	3.03	1	3/8/2007	J
Benzene	BQL	5.15	2.94	1	3/8/2007	
Bromobenzene	BQL	5.15	2.54	1	3/8/2007	
Bromochloromethane	BQL	5.15	3.01	1	3/8/2007	
Bromodichloromethane	BQL	5.15	2.93	1	3/8/2007	
Bromoform	BQL	5.15	2.49	1	3/8/2007	
Bromomethane	BQL	5.15	4.32	1	3/8/2007	
2-Butanone	4.19	25.8	2.97	1	3/8/2007	J
n-Butylbenzene	BQL	5.15	3.45	1	3/8/2007	
sec-Butylbenzene	BQL	5.15	3.61	1	3/8/2007	
tert-Butylbenzene	BQL	5.15	3.58	1	3/8/2007	
Carbon disulfide	BQL	5.15	2.71	1	3/8/2007	
Carbon tetrachloride	BQL	5.15	3.57	1	3/8/2007	
Chlorobenzene	BQL	5.15	2.59	1	3/8/2007	
Chloroethane	BQL	5.15	3.24	1	3/8/2007	
Chloroform	BQL	5.15	2.59	1	3/8/2007	
Chloromethane	BQL	5.15	2.48	1	3/8/2007	
2-Chlorotoluene	BQL	5.15	3.07	1	3/8/2007	
4-Chlorotoluene	BQL	5.15	2.87	1	3/8/2007	
Dibromochloromethane	BQL	5.15	2.31	1	3/8/2007	
1,2-Dibromo-3-chloropropane	BQL	5.15	10.9	1	3/8/2007	
Dibromomethane	BQL	5.15	3.09	1	3/8/2007	
1,2-Dibromoethane (EDB)	BQL	5.15	2.40	1	3/8/2007	
1,2-Dichlorobenzene	BQL	5.15	2.48	1	3/8/2007	
1,3-Dichlorobenzene	BQL	5.15	2.41	1	3/8/2007	
1,4-Dichlorobenzene	BQL	5.15	2.54	1	3/8/2007	
trans-1,4-Dichloro-2-butene	BQL	5.15	11.0	1	3/8/2007	
1,1-Dichloroethane	BQL	5.15	2.97	1	3/8/2007	
1,1-Dichloroethene	BQL	5.15	3.97	1	3/8/2007	
1,2-Dichloroethane	BQL	5.15	2.96	1	3/8/2007	
cis-1,2-Dichloroethene	BQL	5.15	2.54	1	3/8/2007	
trans-1,2-dichloroethene	BQL	5.15	3.35	1	3/8/2007	
1,2-Dichloropropane	BQL	5.15	2.64	1	3/8/2007	
1,3-Dichloropropane	BQL	5.15	2.36	1	3/8/2007	
2,2-Dichloropropane	BQL	5.15	3.28	1	3/8/2007	
1,1-Dichloropropene	BQL	5.15	3.72	1	3/8/2007	
cis-1,3-Dichloropropene	BQL	5.15	2.87	1	3/8/2007	
trans-1,3-Dichloropropene	BQL	5.15	2.92	1	3/8/2007	
Dichlorodifluoromethane	BQL	5.15	3.85	1	3/8/2007	
Diisopropyl ether (DIPE)	BQL	5.15	2.44	1	3/8/2007	
Ethylbenzene	BQL	5.15	3.13	1	3/8/2007	
Hexachlorobutadiene	BQL	5.15	4.07	1	3/8/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF SS 001/002B

Client Project ID: CSFF

Lab Sample ID G649-13-2A

Lab Project ID: G649-13

Report Basis: Dry Weight

Analyzed By: MJC

Date Collected: 03-01-2007 10:40

Date Received: 3/1/2007

Matrix: Soil

%Solids: 84.9

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.15	2.25	1	3/8/2007	
Iodomethane	BQL	5.15	4.79	1	3/8/2007	
Isopropylbenzene	BQL	5.15	3.32	1	3/8/2007	
4-Isopropyltoluene	BQL	5.15	3.51	1	3/8/2007	
Methylene chloride	BQL	20.6	2.95	1	3/8/2007	
4-Methyl-2-pentanone	BQL	5.15	2.38	1	3/8/2007	
Methyl-tert-butyl ether (MTBE)	BQL	5.15	2.62	1	3/8/2007	
Naphthalene	BQL	5.15	2.07	1	3/8/2007	
n-Propyl benzene	BQL	5.15	3.31	1	3/8/2007	
Styrene	BQL	5.15	3.69	1	3/8/2007	
1,1,1,2-Tetrachloroethane	BQL	5.15	2.80	1	3/8/2007	
1,1,2,2-Tetrachloroethane	BQL	5.15	2.54	1	3/8/2007	
Tetrachloroethene	BQL	5.15	3.25	1	3/8/2007	
Toluene	BQL	5.15	3.05	1	3/8/2007	
1,2,3-Trichlorobenzene	BQL	5.15	2.26	1	3/8/2007	
1,2,4-Trichlorobenzene	BQL	5.15	2.31	1	3/8/2007	
Trichloroethene	BQL	5.15	3.22	1	3/8/2007	
1,1,1-Trichloroethane	BQL	5.15	3.56	1	3/8/2007	
1,1,2-Trichloroethane	BQL	5.15	2.66	1	3/8/2007	
Trichlorofluoromethane	BQL	5.15	4.26	1	3/8/2007	
1,2,3-Trichloropropane	BQL	5.15	2.73	1	3/8/2007	
1,2,4-Trimethylbenzene	BQL	5.15	2.89	1	3/8/2007	
1,3,5-Trimethylbenzene	BQL	5.15	3.07	1	3/8/2007	
Vinyl chloride	BQL	5.15	3.40	1	3/8/2007	
m-,p-Xylene	BQL	10.3	5.85	1	3/8/2007	
o-Xylene	BQL	5.15	2.89	1	3/8/2007	
		Spike Added	Spike Result	Percent Recovered		
4-Bromofluorobenzene		50	31.8	64		
1,2-Dichloroethane-d4		50	60.9	122		
Toluene-d8		50	46.2	92		

Comments:**Flags:**

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By:

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF SS 003/004B
Client Project ID: CSFF
Lab Sample ID G649-13-3A
Lab Project ID: G649-13
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 03-01-2007 10:50
Date Received: 3/1/2007
Matrix: Soil
%Solids: 73.3

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	50.9	58.5	3.44	1	3/8/2007	J
Benzene	BQL	5.85	3.34	1	3/8/2007	
Bromobenzene	BQL	5.85	2.88	1	3/8/2007	
Bromochloromethane	BQL	5.85	3.42	1	3/8/2007	
Bromodichloromethane	BQL	5.85	3.33	1	3/8/2007	
Bromoform	BQL	5.85	2.83	1	3/8/2007	
Bromomethane	BQL	5.85	4.91	1	3/8/2007	
2-Butanone	8.17	29.3	3.37	1	3/8/2007	J
n-Butylbenzene	BQL	5.85	3.92	1	3/8/2007	
sec-Butylbenzene	BQL	5.85	4.10	1	3/8/2007	
tert-Butylbenzene	BQL	5.85	4.06	1	3/8/2007	
Carbon disulfide	BQL	5.85	3.08	1	3/8/2007	
Carbon tetrachloride	BQL	5.85	4.05	1	3/8/2007	
Chlorobenzene	BQL	5.85	2.94	1	3/8/2007	
Chloroethane	BQL	5.85	3.68	1	3/8/2007	
Chloroform	BQL	5.85	2.94	1	3/8/2007	
Chloromethane	BQL	5.85	2.82	1	3/8/2007	
2-Chlorotoluene	BQL	5.85	3.49	1	3/8/2007	
4-Chlorotoluene	BQL	5.85	3.25	1	3/8/2007	
Dibromochloromethane	BQL	5.85	2.62	1	3/8/2007	
1,2-Dibromo-3-chloropropane	BQL	5.85	12.4	1	3/8/2007	
Dibromomethane	BQL	5.85	3.51	1	3/8/2007	
1,2-Dibromoethane (EDB)	BQL	5.85	2.73	1	3/8/2007	
1,2-Dichlorobenzene	BQL	5.85	2.82	1	3/8/2007	
1,3-Dichlorobenzene	BQL	5.85	2.74	1	3/8/2007	
1,4-Dichlorobenzene	BQL	5.85	2.88	1	3/8/2007	
trans-1,4-Dichloro-2-butene	BQL	5.85	12.5	1	3/8/2007	
1,1-Dichloroethane	BQL	5.85	3.37	1	3/8/2007	
1,1-Dichloroethene	BQL	5.85	4.51	1	3/8/2007	
1,2-Dichloroethane	BQL	5.85	3.36	1	3/8/2007	
cis-1,2-Dichloroethene	BQL	5.85	2.88	1	3/8/2007	
trans-1,2-dichloroethene	BQL	5.85	3.81	1	3/8/2007	
1,2-Dichloropropane	BQL	5.85	3.00	1	3/8/2007	
1,3-Dichloropropane	BQL	5.85	2.68	1	3/8/2007	
2,2-Dichloropropane	BQL	5.85	3.72	1	3/8/2007	
1,1-Dichloropropene	BQL	5.85	4.23	1	3/8/2007	
cis-1,3-Dichloropropene	BQL	5.85	3.25	1	3/8/2007	
trans-1,3-Dichloropropene	BQL	5.85	3.31	1	3/8/2007	
Dichlorodifluoromethane	BQL	5.85	4.37	1	3/8/2007	
Diisopropyl ether (DIPE)	BQL	5.85	2.77	1	3/8/2007	
Ethylbenzene	BQL	5.85	3.56	1	3/8/2007	
Hexachlorobutadiene	BQL	5.85	4.62	1	3/8/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: CSFF SS 003/004B
Client Project ID: CSFF
Lab Sample ID G649-13-3A
Lab Project ID: G649-13
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 03-01-2007 10:50
Date Received: 3/1/2007
Matrix: Soil
%Solids: 73.3

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.85	2.55	1	3/8/2007	
Iodomethane	BQL	5.85	5.44	1	3/8/2007	
Isopropylbenzene	BQL	5.85	3.77	1	3/8/2007	
4-Isopropyltoluene	BQL	5.85	3.98	1	3/8/2007	
Methylene chloride	BQL	23.4	3.35	1	3/8/2007	
4-Methyl-2-pentanone	BQL	5.85	2.70	1	3/8/2007	
Methyl-tert-butyl ether (MTBE)	BQL	5.85	2.97	1	3/8/2007	
Naphthalene	BQL	5.85	2.35	1	3/8/2007	
n-Propyl benzene	BQL	5.85	3.76	1	3/8/2007	
Styrene	BQL	5.85	4.19	1	3/8/2007	
1,1,1,2-Tetrachloroethane	BQL	5.85	3.18	1	3/8/2007	
1,1,2,2-Tetrachloroethane	BQL	5.85	2.88	1	3/8/2007	
Tetrachloroethene	BQL	5.85	3.69	1	3/8/2007	
Toluene	BQL	5.85	3.47	1	3/8/2007	
1,2,3-Trichlorobenzene	BQL	5.85	2.56	1	3/8/2007	
1,2,4-Trichlorobenzene	BQL	5.85	2.62	1	3/8/2007	
Trichloroethene	BQL	5.85	3.65	1	3/8/2007	
1,1,1-Trichloroethane	BQL	5.85	4.04	1	3/8/2007	
1,1,2-Trichloroethane	BQL	5.85	3.02	1	3/8/2007	
Trichlorofluoromethane	BQL	5.85	4.84	1	3/8/2007	
1,2,3-Trichloropropane	BQL	5.85	3.10	1	3/8/2007	
1,2,4-Trimethylbenzene	BQL	5.85	3.28	1	3/8/2007	
1,3,5-Trimethylbenzene	BQL	5.85	3.49	1	3/8/2007	
Vinyl chloride	BQL	5.85	3.86	1	3/8/2007	
m-,p-Xylene	BQL	11.7	6.64	1	3/8/2007	
o-Xylene	BQL	5.85	3.28	1	3/8/2007	
		Spike Added	Spike Result	Percent Recovered		
4-Bromofluorobenzene		50	31.2	62		
1,2-Dichloroethane-d4		50	62.5	125		
Toluene-d8		50	44.5	89		

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

**Results for Volatiles
by GCMS 8260B/5035**

Client Sample ID: Trip Blank
Client Project ID: CSFF
Lab Sample ID: G649-13-4A
Lab Project ID: G649-13
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 3/1/2007 0:00
Date Received: 3/1/2007
Matrix: Soil
%Solids: 100.0

Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	1250	168	50	3/8/2007	
Benzene	BQL	50.0	8.10	50	3/8/2007	
Bromobenzene	BQL	50.0	11.2	50	3/8/2007	
Bromochloromethane	BQL	50.0	15.6	50	3/8/2007	
Bromodichloromethane	BQL	50.0	9.25	50	3/8/2007	
Bromoform	BQL	50.0	4.80	50	3/8/2007	
Bromomethane	BQL	50.0	5.20	50	3/8/2007	
2-Butanone	BQL	1250	54.5	50	3/8/2007	
n-Butylbenzene	BQL	50.0	13.6	50	3/8/2007	
sec-Butylbenzene	BQL	50.0	11.7	50	3/8/2007	
tert-Butylbenzene	BQL	50.0	9.10	50	3/8/2007	
Carbon disulfide	BQL	50.0	10.3	50	3/8/2007	
Carbon tetrachloride	BQL	50.0	9.05	50	3/8/2007	
Chlorobenzene	BQL	50.0	8.85	50	3/8/2007	
Chloroethane	BQL	50.0	20.8	50	3/8/2007	
Chloroform	BQL	50.0	11.0	50	3/8/2007	
Chloromethane	BQL	50.0	14.1	50	3/8/2007	
2-Chlorotoluene	BQL	50.0	10.2	50	3/8/2007	
4-Chlorotoluene	BQL	50.0	10.3	50	3/8/2007	
Dibromochloromethane	BQL	50.0	10.4	50	3/8/2007	
1,2-Dibromo-3-chloropropane	BQL	250	97.5	50	3/8/2007	
Dibromomethane	BQL	50.0	13.8	50	3/8/2007	
1,2-Dibromoethane (EDB)	BQL	50.0	13.2	50	3/8/2007	
1,2-Dichlorobenzene	BQL	50.0	9.50	50	3/8/2007	
1,3-Dichlorobenzene	BQL	50.0	11.7	50	3/8/2007	
1,4-Dichlorobenzene	BQL	50.0	9.10	50	3/8/2007	
trans-1,4-Dichloro-2-butene	BQL	250	71.0	50	3/8/2007	
1,1-Dichloroethane	BQL	50.0	10.8	50	3/8/2007	
1,1-Dichloroethene	BQL	50.0	8.20	50	3/8/2007	
1,2-Dichloroethane	BQL	50.0	12.2	50	3/8/2007	
cis-1,2-Dichloroethene	BQL	50.0	8.80	50	3/8/2007	
trans-1,2-dichloroethene	BQL	50.0	11.5	50	3/8/2007	
1,2-Dichloropropane	BQL	50.0	8.30	50	3/8/2007	
1,3-Dichloropropane	BQL	50.0	8.45	50	3/8/2007	
2,2-Dichloropropane	BQL	50.0	12.0	50	3/8/2007	
1,1-Dichloropropene	BQL	50.0	8.80	50	3/8/2007	
cis-1,3-Dichloropropene	BQL	50.0	10.1	50	3/8/2007	
trans-1,3-Dichloropropene	BQL	50.0	5.95	50	3/8/2007	
Dichlorodifluoromethane	BQL	250	19.3	50	3/8/2007	
Diisopropyl ether (DIPE)	BQL	50.0	11.7	50	3/8/2007	
Ethylbenzene	BQL	50.0	10.3	50	3/8/2007	
Hexachlorobutadiene	BQL	50.0	20.5	50	3/8/2007	

**Results for Volatiles
by GCMS 8260B/5035**

Client Sample ID: Trip Blank
Client Project ID: CSFF
Lab Sample ID: G649-13-4A
Lab Project ID: G649-13
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 3/1/2007 0:00
Date Received: 3/1/2007
Matrix: Soil
%Solids: 100.0

Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	250	43.7	50	3/8/2007	
Iodomethane	BQL	50.0	6.45	50	3/8/2007	
Isopropylbenzene	BQL	50.0	8.65	50	3/8/2007	
4-Isopropyltoluene	BQL	50.0	10.0	50	3/8/2007	
Methylene chloride	BQL	250	9.40	50	3/8/2007	
4-Methyl-2-pentanone	BQL	250	24.8	50	3/8/2007	
Methyl-tert-butyl ether (MTBE)	BQL	50.0	10.7	50	3/8/2007	
Naphthalene	BQL	50.0	14.0	50	3/8/2007	
n-Propyl benzene	BQL	50.0	10.5	50	3/8/2007	
Styrene	BQL	50.0	12.0	50	3/8/2007	
1,1,1,2-Tetrachloroethane	BQL	50.0	14.4	50	3/8/2007	
1,1,2,2-Tetrachloroethane	BQL	50.0	12.8	50	3/8/2007	
Tetrachloroethene	BQL	50.0	15.2	50	3/8/2007	
Toluene	18.5	50.0	8.75	50	3/8/2007	J
1,2,3-Trichlorobenzene	BQL	50.0	9.95	50	3/8/2007	
1,2,4-Trichlorobenzene	BQL	50.0	12.2	50	3/8/2007	
Trichloroethene	BQL	50.0	10.5	50	3/8/2007	
1,1,1-Trichloroethane	BQL	50.0	9.85	50	3/8/2007	
1,1,2-Trichloroethane	BQL	50.0	13.4	50	3/8/2007	
Trichlorofluoromethane	BQL	50.0	21.4	50	3/8/2007	
1,2,3-Trichloropropane	BQL	50.0	11.7	50	3/8/2007	
1,2,4-Trimethylbenzene	BQL	50.0	10.0	50	3/8/2007	
1,3,5-Trimethylbenzene	BQL	50.0	9.35	50	3/8/2007	
Vinyl chloride	BQL	50.0	20.0	50	3/8/2007	
m-,p-Xylene	BQL	100	19.3	50	3/8/2007	
o-Xylene	BQL	50.0	8.35	50	3/8/2007	
		Spike Added	Spike Result	Percent Recovered		
4-Bromofluorobenzene		10	10.6	106		
1,2-Dichloroethane-d4		10	10.1	101		
Toluene-d8		10	10.3	103		

Comments:**Flags:**

BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

**Results for Volatiles
by GCMS 8260B**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4030807B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Carbon tetrachloride	BQL	50.0	9.05	50	3/8/2007	
Chlorobenzene	BQL	50.0	8.85	50	3/8/2007	
Chloroethane	BQL	50.0	20.8	50	3/8/2007	
Chloroform	BQL	50.0	11.0	50	3/8/2007	
Chloromethane	BQL	50.0	14.1	50	3/8/2007	
2-Chlorotoluene	BQL	50.0	10.2	50	3/8/2007	
4-Chlorotoluene	BQL	50.0	10.3	50	3/8/2007	
Dibromochloromethane	BQL	50.0	10.4	50	3/8/2007	
1,2-Dibromo-3-chloropropane	BQL	250	97.5	50	3/8/2007	
Dibromomethane	BQL	50.0	13.8	50	3/8/2007	
1,2-Dibromoethane (EDB)	BQL	50.0	13.2	50	3/8/2007	
1,2-Dichlorobenzene	BQL	50.0	9.50	50	3/8/2007	
1,3-Dichlorobenzene	BQL	50.0	11.7	50	3/8/2007	
1,4-Dichlorobenzene	BQL	50.0	9.10	50	3/8/2007	
trans-1,4-Dichloro-2-butene	BQL	250	71.0	50	3/8/2007	
1,1-Dichloroethane	BQL	50.0	10.8	50	3/8/2007	
1,1-Dichloroethene	BQL	50.0	8.20	50	3/8/2007	
1,2-Dichloroethane	BQL	50.0	12.2	50	3/8/2007	
cis-1,2-Dichloroethene	BQL	50.0	8.80	50	3/8/2007	
trans-1,2-dichloroethene	BQL	50.0	11.5	50	3/8/2007	
1,2-Dichloropropane	BQL	50.0	8.30	50	3/8/2007	
1,3-Dichloropropane	BQL	50.0	8.45	50	3/8/2007	
2,2-Dichloropropane	BQL	50.0	12.0	50	3/8/2007	
1,1-Dichloropropene	BQL	50.0	8.80	50	3/8/2007	
cis-1,3-Dichloropropene	BQL	50.0	10.1	50	3/8/2007	
trans-1,3-Dichloropropene	BQL	50.0	5.95	50	3/8/2007	
Dichlorodifluoromethane	BQL	250	19.3	50	3/8/2007	
Diisopropyl ether (DIPE)	BQL	50.0	11.7	50	3/8/2007	
Ethylbenzene	BQL	50.0	10.3	50	3/8/2007	
Hexachlorobutadiene	BQL	50.0	20.5	50	3/8/2007	
2-Hexanone	BQL	250	43.7	50	3/8/2007	
Iodomethane	BQL	50.0	6.45	50	3/8/2007	
Isopropylbenzene	BQL	50.0	8.65	50	3/8/2007	
4-Isopropyltoluene	BQL	50.0	10.0	50	3/8/2007	
Methylene chloride	BQL	250	9.40	50	3/8/2007	
4-Methyl-2-pentanone	BQL	250	24.8	50	3/8/2007	
Methyl-tert-butyl ether (MTBE)	BQL	50.0	10.7	50	3/8/2007	
Naphthalene	BQL	50.0	14.0	50	3/8/2007	
n-Propyl benzene	BQL	50.0	10.5	50	3/8/2007	
Styrene	BQL	50.0	12.0	50	3/8/2007	
1,1,1,2-Tetrachloroethane	BQL	50.0	14.4	50	3/8/2007	
1,1,2,2-Tetrachloroethane	BQL	50.0	12.8	50	3/8/2007	

**Results for Volatiles
by GCMS 8260B**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4030807B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Tetrachloroethene	BQL	50.0	15.2	50	3/8/2007	
Toluene	BQL	50.0	8.75	50	3/8/2007	
1,2,3-Trichlorobenzene	130	50.0	9.95	50	3/8/2007	
1,2,4-Trichlorobenzene	114	50.0	12.2	50	3/8/2007	
Trichloroethene	BQL	50.0	10.5	50	3/8/2007	
1,1,1-Trichloroethane	BQL	50.0	9.85	50	3/8/2007	
1,1,2-Trichloroethane	BQL	50.0	13.4	50	3/8/2007	
Trichlorofluoromethane	BQL	50.0	21.4	50	3/8/2007	
1,2,3-Trichloropropane	BQL	50.0	11.7	50	3/8/2007	
1,2,4-Trimethylbenzene	BQL	50.0	10.0	50	3/8/2007	
1,3,5-Trimethylbenzene	BQL	50.0	9.35	50	3/8/2007	
Vinyl chloride	BQL	50.0	20.0	50	3/8/2007	
m-,p-Xylene	BQL	100	19.3	50	3/8/2007	
o-Xylene	BQL	50.0	8.35	50	3/8/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	10	9.88	99
1,2-Dichloroethane-d4	10	9.97	100
Toluene-d8	10	10.2	102

Comments:**Flags:**

BQL = Below Quantitation Limits.

Reviewed By:



LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: SGS Environmental

Lab Code: NC00919

Case No.:

SAS No.:

SDG No:

Matrix: (soil/water) Water

Lab Sample ID: LCS4030807a

Sample wt/vol: 5.00 (mL)

Lab File ID: 0308403.D

Level: (low/med) NA

% Moisture: not dec. NA

Date Analyzed: 2007-03-08 11:17

GC Column: DB-624 ID: 0.2 (mm)

Dilution Factor: 1

Soil Extract Volume: NA

Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/L)	SAMP CONC (µg/L)	% REC #	QC LIMITS
71-43-2	benzene	5.00	4.99	99.8	77.4-123
108-90-7	chlorobenzene	5.00	5.07	101	72.5-128
75-35-4	1,1-dichloroethene	5.00	4.74	94.8	71.7-128
108-88-3	toluene	5.00	4.98	99.6	75.9-124
79-01-6	trichloroethene	5.00	5.06	101	77.9-122

System Monitoring Compound Results

		Spike Added (µg/L)	Spike Result (µg/L)	Percent Rec. (%)	Percent Recovery (%)
460-00-4	4-Bromofluorobenzene	10	10.0	101	88.6 - 113
17060-07-0	1,2-Dichloroethane-d4	10	10.0	104	84.6 - 114
2037-26-5	Toluene-d8	10	9.97	100	87.4 - 109



SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: SGS Environmental

Contract:

Lab Code: NC00919

Case No.:

SAS No.:

SDG No.:

LCS: LCS4030807A

ilename: 0308403.D

Date Analyzed: 03/08/07 11:17 Dilution: 1

LCSD: LCS4030807B

ilename: 0308404.D

Date Analyzed: 03/08/07 11:48 Matrix: Water

COMPOUND	LCS SPIKE (µg/kg)	LCS CONC (µg/kg)	LCS % REC #	LCSD SPIKE (µg/kg)	LCSD CONC (µg/kg)	LCSD % REC #	% RPD	QC LIMITS	
								RPD	REC
benzene	5.00	4.99	99.8	5.00	5.02	100	0.599	30	77.4-123
chlorobenzene	5.00	5.07	101	5.00	5.08	102	0.197	30	72.5-128
1,1-dichloroethene	5.00	4.74	94.8	5.00	4.85	97.0	2.29	30	71.7-128
toluene	5.00	4.98	99.6	5.00	5.06	101	1.59	30	75.9-124
trichloroethene	5.00	5.06	101	5.00	4.81	96.2	5.06	30	77.9-122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:



SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SGS Environmental

Contract:

Lab Code: NC00919

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.: g855-4-14b

Dilution: 64

Filenames: 0308420.D, 0308422.D, 0308423.D

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS	
									RPD	REC
benzene	BQL	320	343	107	320	326	102	4.97	30	61.6-135
chlorobenzene	BQL	320	354	111	320	334	104	5.77	30	77.2-118
1,1-dichloroethene	BQL	320	324	101	320	290	90.8	11.0	30	64.4-130
toluene	BQL	320	348	109	320	326	102	6.45	30	66.4-128
trichloroethene	535	320	293	91.6	320	276	86.2	6.07	30	84.9-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK9030807B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	50.0	2.94	1	3/8/2007	
Benzene	BQL	5.00	2.85	1	3/8/2007	
Bromobenzene	BQL	5.00	2.46	1	3/8/2007	
Bromochloromethane	BQL	5.00	2.92	1	3/8/2007	
Bromodichloromethane	BQL	5.00	2.84	1	3/8/2007	
Bromoform	BQL	5.00	2.42	1	3/8/2007	
Bromomethane	BQL	5.00	4.19	1	3/8/2007	
2-Butanone	BQL	25.0	2.88	1	3/8/2007	
n-Butylbenzene	BQL	5.00	3.35	1	3/8/2007	
sec-Butylbenzene	BQL	5.00	3.50	1	3/8/2007	
tert-Butylbenzene	BQL	5.00	3.47	1	3/8/2007	
Carbon disulfide	BQL	5.00	2.63	1	3/8/2007	
Carbon tetrachloride	BQL	5.00	3.46	1	3/8/2007	
Chlorobenzene	BQL	5.00	2.51	1	3/8/2007	
Chloroethane	BQL	5.00	3.14	1	3/8/2007	
Chloroform	BQL	5.00	2.51	1	3/8/2007	
Chloromethane	BQL	5.00	2.41	1	3/8/2007	
2-Chlorotoluene	BQL	5.00	2.98	1	3/8/2007	
4-Chlorotoluene	BQL	5.00	2.78	1	3/8/2007	
Dibromochloromethane	BQL	5.00	2.24	1	3/8/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	10.6	1	3/8/2007	
Dibromomethane	BQL	5.00	3.00	1	3/8/2007	
1,2-Dibromoethane (EDB)	BQL	5.00	2.33	1	3/8/2007	
1,2-Dichlorobenzene	BQL	5.00	2.41	1	3/8/2007	
1,3-Dichlorobenzene	BQL	5.00	2.34	1	3/8/2007	
1,4-Dichlorobenzene	BQL	5.00	2.46	1	3/8/2007	
trans-1,4-Dichloro-2-butene	BQL	5.00	10.7	1	3/8/2007	
1,1-Dichloroethane	BQL	5.00	2.88	1	3/8/2007	
1,1-Dichloroethene	BQL	5.00	3.85	1	3/8/2007	
1,2-Dichloroethane	BQL	5.00	2.87	1	3/8/2007	
cis-1,2-Dichloroethene	BQL	5.00	2.46	1	3/8/2007	
trans-1,2-dichloroethene	BQL	5.00	3.25	1	3/8/2007	
1,2-Dichloropropane	BQL	5.00	2.56	1	3/8/2007	
1,3-Dichloropropane	BQL	5.00	2.29	1	3/8/2007	
2,2-Dichloropropane	BQL	5.00	3.18	1	3/8/2007	
1,1-Dichloropropene	BQL	5.00	3.61	1	3/8/2007	
cis-1,3-Dichloropropene	BQL	5.00	2.78	1	3/8/2007	
trans-1,3-Dichloropropene	BQL	5.00	2.83	1	3/8/2007	
Dichlorodifluoromethane	BQL	5.00	3.73	1	3/8/2007	
Diisopropyl ether (DIPE)	BQL	5.00	2.37	1	3/8/2007	
Ethylbenzene	BQL	5.00	3.04	1	3/8/2007	
Hexachlorobutadiene	BQL	5.00	3.95	1	3/8/2007	

**Results for Volatiles
by GCMS 8260-5035**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID VBLK9030807B
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Soil
%Solids: 100.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
2-Hexanone	BQL	5.00	2.18	1	3/8/2007	
Iodomethane	BQL	5.00	4.65	1	3/8/2007	
Isopropylbenzene	BQL	5.00	3.22	1	3/8/2007	
4-Isopropyltoluene	BQL	5.00	3.40	1	3/8/2007	
Methylene chloride	BQL	20.0	2.86	1	3/8/2007	
4-Methyl-2-pentanone	BQL	5.00	2.31	1	3/8/2007	
Methyl-tert-butyl ether (MTBE)	BQL	5.00	2.54	1	3/8/2007	
Naphthalene	BQL	5.00	2.01	1	3/8/2007	
n-Propyl benzene	BQL	5.00	3.21	1	3/8/2007	
Styrene	BQL	5.00	3.58	1	3/8/2007	
1,1,1,2-Tetrachloroethane	BQL	5.00	2.72	1	3/8/2007	
1,1,2,2-Tetrachloroethane	BQL	5.00	2.46	1	3/8/2007	
Tetrachloroethene	BQL	5.00	3.15	1	3/8/2007	
Toluene	BQL	5.00	2.96	1	3/8/2007	
1,2,3-Trichlorobenzene	BQL	5.00	2.19	1	3/8/2007	
1,2,4-Trichlorobenzene	BQL	5.00	2.24	1	3/8/2007	
Trichloroethene	BQL	5.00	3.12	1	3/8/2007	
1,1,1-Trichloroethane	BQL	5.00	3.45	1	3/8/2007	
1,1,2-Trichloroethane	BQL	5.00	2.58	1	3/8/2007	
Trichlorofluoromethane	BQL	5.00	4.13	1	3/8/2007	
1,2,3-Trichloropropane	BQL	5.00	2.65	1	3/8/2007	
1,2,4-Trimethylbenzene	BQL	5.00	2.80	1	3/8/2007	
1,3,5-Trimethylbenzene	BQL	5.00	2.98	1	3/8/2007	
Vinyl chloride	BQL	5.00	3.30	1	3/8/2007	
m-,p-Xylene	BQL	10.0	5.67	1	3/8/2007	
o-Xylene	BQL	5.00	2.80	1	3/8/2007	

	Spike Added	Spike Result	Percent Recovered
4-Bromofluorobenzene	50	48.3	97
1,2-Dichloroethane-d4	50	51.2	102
Toluene-d8	50	46.2	92

Comments:**Flags:**

BQL = Below Quantitation Limits.

Reviewed By: vw



LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: SGS Environmental

Contract:

Lab Code: NC00919

Case No.:

SAS No.:

SDG No.:

LCS: LCS9030807A

Filename: 0308903.D

Date Analyzed: 03/08/07 09:07 Dilution: 1

LCSD: LCS9030807B

Filename: 0308904.D

Date Analyzed: 03/08/07 09:32 Matrix: Soil

COMPOUND	LCS SPIKE (µg/kg)	LCS CONC (µg/kg)	LCS % REC #	LCSD SPIKE (µg/kg)	LCSD CONC (µg/kg)	LCSD % REC #	% RPD	QC LIMITS	
								RPD	REC
benzene	30.0	32.3	108	30.0	30.0	100	7.35	30	77.6-122
chlorobenzene	30.0	33.5	112	30.0	31.1	104	7.58	30	75.3-125
1,1-dichloroethene	30.0	26.6	88.7	30.0	26.9	89.7	1.08	30	78.5-121
toluene	30.0	31.4	105	30.0	29.7	99.1	5.66	30	75.7-124
trichloroethene	30.0	31.6	105	30.0	29.9	99.8	5.40	30	60.8-139

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:



SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SGS Environmental

Contract:

Lab Code: NC00919

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No. g375-56-1a

Dilution: 1

FileNames: 0308908.D, 0308924.D, 0308925.D

COMPOUND	SAMPLE CONC (µg/kg)	MS SPIKE (µg/kg)	MS CONC (µg/kg)	MS % REC #	MSD SPIKE (µg/kg)	MSD CONC (µg/kg)	MSD % REC #	% RPD	QC LIMITS	
									RPD	REC
benzene	BQL	30.7	32.1	104	30.7	34.1	111	6.15	30	74.8-133
chlorobenzene	BQL	30.7	26.4	86.1	30.7	28.7	93.7	8.46	30	66.3-135
1,1-dichloroethene	BQL	30.7	29.5	96.3	30.7	31.5	103	6.56	30	72.0-135
toluene	BQL	30.7	28.8	94.0	30.7	31.7	103	9.55	30	70.5-138
trichloroethene	BQL	30.7	28.0	91.4	30.7	30.6	99.9	8.92	30	60.7-152

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF SS 013/014B
Client Project ID: CSFF
Lab Sample ID: G649-13-1H
Lab Project ID: G649-13
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 3/1/2007 10:30
Date Received: 3/1/2007
Date Extracted: 3/8/2007
Matrix: Soil
% Solids: 90.58

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	330	47.1	1	3/14/2007	
Acenaphthylene	BQL	330	43.8	1	3/14/2007	
Anthracene	75.8	330	47.8	1	3/14/2007	J
Benzo[a]anthracene	369	330	57.0	1	3/14/2007	
Benzo[a]pyrene	277	330	50.4	1	3/14/2007	J
Benzo[b]fluoranthene	306	330	57.7	1	3/14/2007	J
Benzo[g,h,i]perylene	BQL	330	89.6	1	3/14/2007	
Benzo[k]fluoranthene	158	330	63.6	1	3/14/2007	J
Benzoic Acid	BQL	659	659	1	3/14/2007	
Bis(2-chloroethoxy)methane	BQL	330	49.1	1	3/14/2007	
Bis(2-chloroethyl)ether	BQL	330	39.9	1	3/14/2007	
Bis(2-chloroisopropyl)ether	BQL	330	41.2	1	3/14/2007	
Bis(2-ethylhexyl)phthalate	62.6	330	44.2	1	3/14/2007	J
4-bromophenyl phenyl ether	BQL	330	55.7	1	3/14/2007	
Butylbenzylphthalate	BQL	330	50.8	1	3/14/2007	
2-Chloronaphthalene	BQL	330	51.7	1	3/14/2007	
2-Chlorophenol	BQL	330	103	1	3/14/2007	
4-Chloro-3-methylphenol	BQL	330	103	1	3/14/2007	
4-Chloroaniline	BQL	1650	251	1	3/14/2007	
4-Chlorophenyl phenyl ether	BQL	330	48.4	1	3/14/2007	
Chrysene	376	330	35.6	1	3/14/2007	
Dibenzo[a,h]anthracene	BQL	330	92.3	1	3/14/2007	
Dibenzofuran	BQL	330	60.0	1	3/14/2007	
Di-n-Butylphthalate	BQL	330	39.2	1	3/14/2007	
1,2-Dichlorobenzene	BQL	330	36.6	1	3/14/2007	
1,3-Dichlorobenzene	BQL	330	35.9	1	3/14/2007	
1,4-Dichlorobenzene	BQL	330	37.2	1	3/14/2007	
3,3'-Dichlorobenzidine	BQL	659	83.0	1	3/14/2007	
2,4-Dichlorophenol	BQL	330	119	1	3/14/2007	
Diethylphthalate	BQL	330	42.5	1	3/14/2007	
Dimethylphthalate	BQL	330	39.9	1	3/14/2007	
2,4-Dimethylphenol	BQL	330	236	1	3/14/2007	
Di-n-octylphthalate	BQL	330	54.4	1	3/14/2007	
4,6-Dinitro-2-methylphenol	BQL	1650	194	1	3/14/2007	
2,4-Dinitrophenol	BQL	1650	726	1	3/14/2007	
2,4-Dinitrotoluene	BQL	330	42.8	1	3/14/2007	
2,6-Dinitrotoluene	BQL	330	60.0	1	3/14/2007	
Diphenylamine *	BQL	330	32.3	1	3/14/2007	
Fluoranthene	870	330	46.1	1	3/14/2007	
Fluorene	BQL	330	40.9	1	3/14/2007	
Hexachlorobenzene	BQL	330	50.8	1	3/14/2007	
Hexachlorobutadiene	BQL	330	52.7	1	3/14/2007	
Hexachlorocyclopentadiene	BQL	659	33.9	1	3/14/2007	
Hexachloroethane	BQL	330	29.7	1	3/14/2007	

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF SS 013/014B
Client Project ID: CSFF
Lab Sample ID: G649-13-1H
Lab Project ID: G649-13
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 3/1/2007 10:30
Date Received: 3/1/2007
Date Extracted: 3/8/2007
Matrix: Soil
% Solids: 90.58

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Indeno(1,2,3-c,d)pyrene	BQL	330	84.4	1	3/14/2007	
Isophorone	BQL	330	48.4	1	3/14/2007	
2-Methylnaphthalene	BQL	330	96.2	1	3/14/2007	
2-Methylphenol	BQL	330	116	1	3/14/2007	
3- & 4-Methylphenol	BQL	330	112	1	3/14/2007	
Naphthalene	BQL	330	26.7	1	3/14/2007	
2-Nitroaniline	BQL	330	51.7	1	3/14/2007	
3-Nitroaniline	BQL	1650	339	1	3/14/2007	
4-Nitroaniline	BQL	1650	102	1	3/14/2007	
Nitrobenzene	BQL	330	44.5	1	3/14/2007	
2-Nitrophenol	BQL	330	102	1	3/14/2007	
4-Nitrophenol	BQL	1650	91.3	1	3/14/2007	
N-Nitrosodi-n-propylamine	BQL	330	41.9	1	3/14/2007	
Pentachlorophenol	BQL	1650	86.0	1	3/14/2007	
Phenanthrene	293	330	37.6	1	3/14/2007	J
Phenol	BQL	330	90.3	1	3/14/2007	
Pyrene	699	330	63.3	1	3/14/2007	
1,2,4-Trichlorobenzene	BQL	330	41.2	1	3/14/2007	
2,4,5-Trichlorophenol	BQL	330	128	1	3/14/2007	
2,4,6-Trichlorophenol	BQL	330	117	1	3/14/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
2-Fluorophenol	10	9.1	91
Nitrobenzene-d5	10	9	90
Phenol-d6	10	9.4	94
2,4,6-Tribromophenol	10	9.5	95
4-Terphenyl-d14	10	10.2	102

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: SW

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF SS 001/002B
Client Project ID: CSFF
Lab Sample ID: G649-13-2H
Lab Project ID: G649-13
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 3/1/2007 10:40
Date Received: 3/1/2007
Date Extracted: 3/8/2007
Matrix: Soil
% Solids: 84.94

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	366	52.3	1	3/15/2007	
Acenaphthylene	BQL	366	48.7	1	3/15/2007	
Anthracene	58.6	366	53.1	1	3/15/2007	J
Benzo[a]anthracene	337	366	63.3	1	3/15/2007	J
Benzo[a]pyrene	505	366	56.0	1	3/15/2007	
Benzo[b]fluoranthene	447	366	64.1	1	3/15/2007	
Benzo[g,h,i]perylene	542	366	99.6	1	3/15/2007	
Benzo[k]fluoranthene	113	366	70.7	1	3/15/2007	J
Benzoic Acid	BQL	732	732	1	3/15/2007	
Bis(2-chloroethoxy)methane	BQL	366	54.5	1	3/15/2007	
Bis(2-chloroethyl)ether	BQL	366	44.3	1	3/15/2007	
Bis(2-chloroisopropyl)ether	BQL	366	45.8	1	3/15/2007	
Bis(2-ethylhexyl)phthalate	113	366	49.1	1	3/15/2007	J
4-bromophenyl phenyl ether	BQL	366	61.9	1	3/15/2007	
Butylbenzylphthalate	BQL	366	56.4	1	3/15/2007	
2-Chloronaphthalene	BQL	366	57.5	1	3/15/2007	
2-Chlorophenol	BQL	366	115	1	3/15/2007	
4-Chloro-3-methylphenol	BQL	366	114	1	3/15/2007	
4-Chloroaniline	BQL	1830	279	1	3/15/2007	
4-Chlorophenyl phenyl ether	BQL	366	53.8	1	3/15/2007	
Chrysene	300	366	39.5	1	3/15/2007	J
Dibenzo[a,h]anthracene	BQL	366	103	1	3/15/2007	
Dibenzofuran	BQL	366	66.6	1	3/15/2007	
Di-n-Butylphthalate	BQL	366	43.6	1	3/15/2007	
1,2-Dichlorobenzene	BQL	366	40.6	1	3/15/2007	
1,3-Dichlorobenzene	BQL	366	39.9	1	3/15/2007	
1,4-Dichlorobenzene	BQL	366	41.4	1	3/15/2007	
3,3'-Dichlorobenzidine	BQL	732	92.3	1	3/15/2007	
2,4-Dichlorophenol	BQL	366	132	1	3/15/2007	
Diethylphthalate	BQL	366	47.2	1	3/15/2007	
Dimethylphthalate	BQL	366	44.3	1	3/15/2007	
2,4-Dimethylphenol	BQL	366	262	1	3/15/2007	
Di-n-octylphthalate	BQL	366	60.4	1	3/15/2007	
4,6-Dinitro-2-methylphenol	BQL	1830	216	1	3/15/2007	
2,4-Dinitrophenol	BQL	1830	806	1	3/15/2007	
2,4-Dinitrotoluene	BQL	366	47.6	1	3/15/2007	
2,6-Dinitrotoluene	BQL	366	66.6	1	3/15/2007	
Diphenylamine *	BQL	366	35.9	1	3/15/2007	
Fluoranthene	523	366	51.3	1	3/15/2007	
Fluorene	BQL	366	45.4	1	3/15/2007	
Hexachlorobenzene	BQL	366	56.4	1	3/15/2007	
Hexachlorobutadiene	BQL	366	58.6	1	3/15/2007	
Hexachlorocyclopentadiene	BQL	732	37.7	1	3/15/2007	
Hexachloroethane	BQL	366	32.9	1	3/15/2007	

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF SS 001/002B
Client Project ID: CSFF
Lab Sample ID: G649-13-2H
Lab Project ID: G649-13
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 3/1/2007 10:40
Date Received: 3/1/2007
Date Extracted: 3/8/2007
Matrix: Soil
% Solids: 84.94

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Indeno(1,2,3-c,d)pyrene	648	366	93.7	1	3/15/2007	
Isophorone	BQL	366	53.8	1	3/15/2007	
2-Methylnaphthalene	BQL	366	107	1	3/15/2007	
2-Methylphenol	BQL	366	129	1	3/15/2007	
3- & 4-Methylphenol	BQL	366	124	1	3/15/2007	
Naphthalene	BQL	366	29.7	1	3/15/2007	
2-Nitroaniline	BQL	366	57.5	1	3/15/2007	
3-Nitroaniline	BQL	1830	377	1	3/15/2007	
4-Nitroaniline	BQL	1830	113	1	3/15/2007	
Nitrobenzene	BQL	366	49.4	1	3/15/2007	
2-Nitrophenol	BQL	366	113	1	3/15/2007	
4-Nitrophenol	BQL	1830	101	1	3/15/2007	
N-Nitrosodi-n-propylamine	BQL	366	46.5	1	3/15/2007	
Pentachlorophenol	BQL	1830	95.5	1	3/15/2007	
Phenanthrene	216	366	41.7	1	3/15/2007	J
Phenol	BQL	366	100	1	3/15/2007	
Pyrene	370	366	70.3	1	3/15/2007	
1,2,4-Trichlorobenzene	BQL	366	45.8	1	3/15/2007	
2,4,5-Trichlorophenol	BQL	366	142	1	3/15/2007	
2,4,6-Trichlorophenol	BQL	366	130	1	3/15/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
2-Fluorophenol	10	8.6	86
Nitrobenzene-d5	10	8.3	83
Phenol-d6	10	8.7	87
2,4,6-Tribromophenol	10	9.7	97
4-Terphenyl-d14	10	8.2	82

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: RY

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF SS 003/004B
Client Project ID: CSFF
Lab Sample ID: G649-13-3H
Lab Project ID: G649-13
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 3/1/2007 10:50
Date Received: 3/1/2007
Date Extracted: 3/8/2007
Matrix: Soil
% Solids: 73.25

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	424	60.6	1	3/14/2007	
Acenaphthylene	BQL	424	56.4	1	3/14/2007	
Anthracene	BQL	424	61.5	1	3/14/2007	
Benzo[a]anthracene	BQL	424	73.3	1	3/14/2007	
Benzo[a]pyrene	BQL	424	64.9	1	3/14/2007	
Benzo[b]fluoranthene	BQL	424	74.2	1	3/14/2007	
Benzo[g,h,i]perylene	127	424	115	1	3/14/2007	J
Benzo[k]fluoranthene	BQL	424	81.8	1	3/14/2007	
Benzoic Acid	BQL	848	848	1	3/14/2007	
Bis(2-chloroethoxy)methane	BQL	424	63.2	1	3/14/2007	
Bis(2-chloroethyl)ether	BQL	424	51.3	1	3/14/2007	
Bis(2-chloroisopropyl)ether	BQL	424	53.0	1	3/14/2007	
Bis(2-ethylhexyl)phthalate	BQL	424	56.8	1	3/14/2007	
4-bromophenyl phenyl ether	BQL	424	71.7	1	3/14/2007	
Butylbenzylphthalate	BQL	424	65.3	1	3/14/2007	
2-Chloronaphthalene	BQL	424	66.6	1	3/14/2007	
2-Chlorophenol	BQL	424	133	1	3/14/2007	
4-Chloro-3-methylphenol	BQL	424	132	1	3/14/2007	
4-Chloroaniline	BQL	2120	323	1	3/14/2007	
4-Chlorophenyl phenyl ether	BQL	424	62.3	1	3/14/2007	
Chrysene	BQL	424	45.8	1	3/14/2007	
Dibenzo[a,h]anthracene	BQL	424	119	1	3/14/2007	
Dibenzofuran	BQL	424	77.2	1	3/14/2007	
Di-n-Butylphthalate	BQL	424	50.5	1	3/14/2007	
1,2-Dichlorobenzene	BQL	424	47.1	1	3/14/2007	
1,3-Dichlorobenzene	BQL	424	46.2	1	3/14/2007	
1,4-Dichlorobenzene	BQL	424	47.9	1	3/14/2007	
3,3'-Dichlorobenzidine	BQL	848	107	1	3/14/2007	
2,4-Dichlorophenol	BQL	424	153	1	3/14/2007	
Diethylphthalate	BQL	424	54.7	1	3/14/2007	
Dimethylphthalate	BQL	424	51.3	1	3/14/2007	
2,4-Dimethylphenol	BQL	424	303	1	3/14/2007	
Di-n-octylphthalate	BQL	424	70.0	1	3/14/2007	
4,6-Dinitro-2-methylphenol	BQL	2120	250	1	3/14/2007	
2,4-Dinitrophenol	BQL	2120	934	1	3/14/2007	
2,4-Dinitrotoluene	BQL	424	55.1	1	3/14/2007	
2,6-Dinitrotoluene	BQL	424	77.2	1	3/14/2007	
Diphenylamine *	BQL	424	41.5	1	3/14/2007	
Fluoranthene	BQL	424	59.4	1	3/14/2007	
Fluorene	BQL	424	52.6	1	3/14/2007	
Hexachlorobenzene	BQL	424	65.3	1	3/14/2007	
Hexachlorobutadiene	BQL	424	67.8	1	3/14/2007	
Hexachlorocyclopentadiene	BQL	848	43.7	1	3/14/2007	
Hexachloroethane	BQL	424	38.2	1	3/14/2007	

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: CSFF SS 003/004B
Client Project ID: CSFF
Lab Sample ID: G649-13-3H
Lab Project ID: G649-13
Report Basis: Dry weight

Analyzed By: EAW
Date Collected: 3/1/2007 10:50
Date Received: 3/1/2007
Date Extracted: 3/8/2007
Matrix: Soil
% Solids: 73.25

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Indeno(1,2,3-c,d)pyrene	BQL	424	109	1	3/14/2007	
Isophorone	BQL	424	62.3	1	3/14/2007	
2-Methylnaphthalene	BQL	424	124	1	3/14/2007	
2-Methylphenol	BQL	424	149	1	3/14/2007	
3- & 4-Methylphenol	BQL	424	144	1	3/14/2007	
Naphthalene	BQL	424	34.3	1	3/14/2007	
2-Nitroaniline	BQL	424	66.6	1	3/14/2007	
3-Nitroaniline	BQL	2120	437	1	3/14/2007	
4-Nitroaniline	BQL	2120	131	1	3/14/2007	
Nitrobenzene	BQL	424	57.2	1	3/14/2007	
2-Nitrophenol	BQL	424	131	1	3/14/2007	
4-Nitrophenol	BQL	2120	117	1	3/14/2007	
N-Nitrosodi-n-propylamine	BQL	424	53.8	1	3/14/2007	
Pentachlorophenol	BQL	2120	111	1	3/14/2007	
Phenanthrene	BQL	424	48.3	1	3/14/2007	
Phenol	BQL	424	116	1	3/14/2007	
Pyrene	BQL	424	81.4	1	3/14/2007	
1,2,4-Trichlorobenzene	BQL	424	53.0	1	3/14/2007	
2,4,5-Trichlorophenol	BQL	424	164	1	3/14/2007	
2,4,6-Trichlorophenol	BQL	424	151	1	3/14/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.5	75
2-Fluorophenol	10	8.3	83
Nitrobenzene-d5	10	8.5	85
Phenol-d6	10	8.5	85
2,4,6-Tribromophenol	10	8.4	84
4-Terphenyl-d14	10	9.3	93

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: rf

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB7541
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 3/8/2007
Matrix: SOIL
% Solids: 100

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	313	44.7	1	3/14/2007	
Acenaphthylene	BQL	313	41.6	1	3/14/2007	
Anthracene	BQL	313	45.3	1	3/14/2007	
Benzo[a]anthracene	BQL	313	54.1	1	3/14/2007	
Benzo[a]pyrene	BQL	313	47.8	1	3/14/2007	
Benzo[b]fluoranthene	BQL	313	54.7	1	3/14/2007	
Benzo[g,h,i]perylene	BQL	313	85.0	1	3/14/2007	
Benzo[k]fluoranthene	BQL	313	60.3	1	3/14/2007	
Benzoic Acid	BQL	625	625	1	3/14/2007	
Bis(2-chloroethoxy)methane	BQL	313	46.6	1	3/14/2007	
Bis(2-chloroethyl)ether	BQL	313	37.8	1	3/14/2007	
Bis(2-chloroisopropyl)ether	BQL	313	39.1	1	3/14/2007	
Bis(2-ethylhexyl)phthalate	BQL	313	41.9	1	3/14/2007	
4-bromophenyl phenyl ether	BQL	313	52.8	1	3/14/2007	
Butylbenzylphthalate	BQL	313	48.1	1	3/14/2007	
2-Chloronaphthalene	BQL	313	49.1	1	3/14/2007	
2-Chlorophenol	BQL	313	97.8	1	3/14/2007	
4-Chloro-3-methylphenol	BQL	313	97.5	1	3/14/2007	
4-Chloroaniline	BQL	1560	238	1	3/14/2007	
4-Chlorophenyl phenyl ether	BQL	313	45.9	1	3/14/2007	
Chrysene	BQL	313	33.8	1	3/14/2007	
Dibenzo[a,h]anthracene	BQL	313	87.5	1	3/14/2007	
Dibenzofuran	BQL	313	56.9	1	3/14/2007	
Di-n-Butylphthalate	BQL	313	37.2	1	3/14/2007	
1,2-Dichlorobenzene	BQL	313	34.7	1	3/14/2007	
1,3-Dichlorobenzene	BQL	313	34.1	1	3/14/2007	
1,4-Dichlorobenzene	BQL	313	35.3	1	3/14/2007	
3,3'-Dichlorobenzidine	BQL	625	78.8	1	3/14/2007	
2,4-Dichlorophenol	BQL	313	113	1	3/14/2007	
Diethylphthalate	BQL	313	40.3	1	3/14/2007	
Dimethylphthalate	BQL	313	37.8	1	3/14/2007	
2,4-Dimethylphenol	BQL	313	223	1	3/14/2007	
Di-n-octylphthalate	BQL	313	51.6	1	3/14/2007	
4,6-Dinitro-2-methylphenol	BQL	1560	184	1	3/14/2007	
2,4-Dinitrophenol	BQL	1560	688	1	3/14/2007	
2,4-Dinitrotoluene	BQL	313	40.6	1	3/14/2007	
2,6-Dinitrotoluene	BQL	313	56.9	1	3/14/2007	
Diphenylamine *	BQL	313	30.6	1	3/14/2007	
Fluoranthene	BQL	313	43.7	1	3/14/2007	
Fluorene	BQL	313	38.8	1	3/14/2007	
Hexachlorobenzene	BQL	313	48.1	1	3/14/2007	
Hexachlorobutadiene	BQL	313	50.0	1	3/14/2007	
Hexachlorocyclopentadiene	BQL	625	32.2	1	3/14/2007	
Hexachloroethane	BQL	313	28.1	1	3/14/2007	

**Results for Semivolatiles
by GCMS 8270**

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: PB7541
Lab Project ID:
Report Basis: Dry Weight

Analyzed By: EAW
Date Collected:
Date Received:
Date Extracted: 3/8/2007
Matrix: SOIL
% Solids: 100

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Indeno(1,2,3-c,d)pyrene	BQL	313	80.0	1	3/14/2007	
Isophorone	BQL	313	45.9	1	3/14/2007	
2-Methylnaphthalene	BQL	313	91.2	1	3/14/2007	
2-Methylphenol	BQL	313	110	1	3/14/2007	
3- & 4-Methylphenol	BQL	313	106	1	3/14/2007	
Naphthalene	BQL	313	25.3	1	3/14/2007	
2-Nitroaniline	BQL	313	49.1	1	3/14/2007	
3-Nitroaniline	BQL	1560	322	1	3/14/2007	
4-Nitroaniline	BQL	1560	96.3	1	3/14/2007	
Nitrobenzene	BQL	313	42.2	1	3/14/2007	
2-Nitrophenol	BQL	313	96.9	1	3/14/2007	
4-Nitrophenol	BQL	1560	86.6	1	3/14/2007	
N-Nitrosodi-n-propylamine	BQL	313	39.7	1	3/14/2007	
Pentachlorophenol	BQL	1560	81.6	1	3/14/2007	
Phenanthrene	BQL	313	35.6	1	3/14/2007	
Phenol	BQL	313	85.6	1	3/14/2007	
Pyrene	BQL	313	60.0	1	3/14/2007	
1,2,4-Trichlorobenzene	BQL	313	39.1	1	3/14/2007	
2,4,5-Trichlorophenol	BQL	313	121	1	3/14/2007	
2,4,6-Trichlorophenol	BQL	313	111	1	3/14/2007	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
2-Fluorophenol	10	8.6	86
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	8.9	89
2,4,6-Tribromophenol	10	8.4	84
4-Terphenyl-d14	10	11.4	114

Comments:

* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:

BQL = Below Quantitation Limits.

J = Detected below the quantitation limit.

Reviewed By: EAW

Results For Matrix Spike / Matrix Spike Duplicate and Laboratory Control Standard (MS/MSD/LCS) by GCMS

Client Sample ID: Batch QC

Client Project ID:

Lab Sample ID: Batch-7541-MS/MSD/LCS

Lab Project ID: G161-2536-2G

Matrix: SOIL

Prep Method: 3541

Date Collected:

Date Received:

Date Extracted: 03/08/07

Date Analyzed: 03/13/07

Analyzed By: EAW

Dilution: 1

	Sample Amount (µg/kg)	MS Spike (µg/kg)	MS Conc. (µg/kg)	MS Spike % Rec.	MSD Spike (µg/kg)	MSD Conc. (µg/kg)	MSD Conc. % Rec.	RPD	QC Limits	
									RPD	% Rec.
Acenaphthylene	BQL	3270	3820	117	3220	3680	114.0	2.16	30	79.0-141
4-Chloro-3-methylphenol	BQL	3270	3060	93.5	3220	2830	87.8	6.29	30	40.0-133
2-Chlorophenol	BQL	3270	2830	86.4	3220	2700	83.8	3.06	30	40.0-120
1,4-Dichlorobenzene	BQL	3270	3660	112*	3220	3510	109*	2.71	30	56.0-95.0
2,4-Dinitrotoluene	BQL	3270	3580	109	3220	3320	103.0	5.83	30	48.0-121
N-Nitrosodi-n-propylamine	BQL	3270	3950	121*	3220	3730	116.0	4.06	30	70.0-119
4-Nitrophenol	BQL	3270	2540	77.8	3220	2070	64.3	19.0	30	40.0-147
Pentachlorophenol	BQL	3270	2540	77.6	3220	2110	65.5	16.9	30	40.0-122
Phenol	BQL	3270	2770	84.8	3220	2660	82.6	2.63	30	40.0-127
Pyrene	BQL	3270	4210	129*	3220	3740	116.0	10.1	30	56.0-123
1,2,4-Trichlorobenzene	BQL	3270	3700	113*	3220	3460	108*	5.25	30	65.0-105

	Spiked Amount (µg/kg)	LCS Conc. (µg/kg)	LCS Spike %	QC Limits % Rec.
Acenaphthylene	3125	3180	102	80.9-143
4-Chloro-3-methylphenol	3125	2900	92.8	83.9-124
2-Chlorophenol	3125	2710	86.7	80.3-119
1,4-Dichlorobenzene	3125	2950	94.5	76.3-118
2,4-Dinitrotoluene	3125	3070	98.2	80.6-126
N-Nitrosodi-n-propylamine	3125	3370	108	80.3-131
4-Nitrophenol	3125	2610	83.4	60.0-145
Pentachlorophenol	3125	2560	81.8	36.4-114
Phenol	3125	2640	84.4	74.3-117
Pyrene	3125	3460	111	74.7-141
1,2,4-Trichlorobenzene	3125	3020	96.5	74.1-120

Comments:

Concentrations reflect the spiked sample amounts.

Flags:

* = Out of limits.

NA = Not applicable.

Reviewed By: W

**VPH (Aliphatics/Aromatics) Laboratory Reporting Form**Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF SS 013/014B
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	03/01/07
Date Received	03/01/07
Date Extracted	03/01/07
Date Analyzed	03/05/07
Dry Weight	91
Dilution Factor	1
C ₅ -C ₈ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₂ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₀ Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	100
Surrogate % Recovery - FID	99

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards.

Lab Info: g649-13-1e

Reviewed By: RL

**VPH (Aliphatics/Aromatics) Laboratory Reporting Form**Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF SS 001/002B
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	03/01/07
Date Received	03/01/07
Date Extracted	03/01/07
Date Analyzed	03/05/07
Dry Weight	85
Dilution Factor	1
C ₅ -C ₈ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₂ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₀ Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	100
Surrogate % Recovery - FID	96

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards.

Lab Info: g649-13-2eReviewed By: RV

**VPH (Aliphatics/Aromatics) Laboratory Reporting Form**Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF SS 003/004B
Sample Matrix	Soil
Collection Option (for Soil)*	2
Date Collected	03/01/07
Date Received	03/01/07
Date Extracted	03/01/07
Date Analyzed	03/05/07
Dry Weight	73
Dilution Factor	1
C ₅ -C ₈ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₂ Aliphatics**	< 10 (mg/Kg)
C ₉ -C ₁₀ Aromatics**	< 10 (mg/Kg)
Surrogate % Recovery - PID	100
Surrogate % Recovery - FID	97

* = Option 1 = Established fill line on vial, Option 2 = Sampling Device/Brand, or Option 3 = Field weight of soil.

** = Excludes any surrogates or internal standards.

Lab Info: g649-13-3e

Reviewed By: RWP

Attachment 2

VPH Laboratory Reporting Form

Calibration and QA/QC Information

FID Initial Calibration Date: 03/02/07

PID Initial Calibration Date: 03/02/07

Calibration Ranges and Limits

Range	MDL (07/15/2004) (µg/L)	ML (µg/L)	RL (µg/L) (mg/Kg)
C ₅ -C ₈ Aliphatics	4.4	14	100 10
C ₉ -C ₁₂ Aliphatics	3.4	11	100 10
C ₉ -C ₁₀ Aromatics	0.13	0.41	100 10

Calibration Concentration Levels

Range	Levels (µg/L)	%RSD or CCC	Method of Quantitation
C ₅ -C ₈ Aliphatics	40	3.4	Calibration Factor
	1000		
	2000		
	3000		
	4000		
C ₉ -C ₁₂ Aliphatics	10	24.00	Calibration Factor
	250		
	500		
	750		
	1000		
C ₉ -C ₁₀ Aromatics	10	17.20	Calibration Factor
	250		
	500		
	750		
	1000		

Calibration Check Date: 03/05/07

Calibration Check

Range	Levels (mg/Kg)	(µg/L)	RPD
C ₅ -C ₈ Aliphatics	2000	200	4.1
C ₉ -C ₁₂ Aliphatics	500	50	14.7
C ₉ -C ₁₀ Aromatics	500	50	-2.4

MDL = Method Detection Limit

ML = Minimum Limit

RL = Reportable Limit

RPD = Relative Percent Difference

%RSD = Percent Relative Standard Deviation

CCC = Correlation Coefficient of Curve

**EPH (Aliphatics/Aromatics) Results**

by MDEP-EPH

Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF SS 013/014B
Sample Matrix	Soil
Date Collected	03/01/07
Date Received	03/01/07
Date Extracted	03/06/07
Date Analyzed	03/09/07
Dry Weight	90.6
Dilution Factor	1:1
C ₉ -C ₁₈ Aliphatics*	< 10 (mg/Kg)
C ₁₉ -C ₃₆ Aliphatics*	16 (mg/Kg)
C ₁₁ -C ₂₂ Aromatics*	< 10 (mg/Kg)
Aliphatic Surrogate % Recovery	110
Aromatic Surrogate % Recovery	110
Fractionation Surrogate 1 % Recovery	86

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G649-13-1G

Reviewed By: SL

**EPH (Aliphatics/Aromatics) Results**

by MDEP-EPH

Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF SS 001/002B
Sample Matrix	Soil
Date Collected	03/01/07
Date Received	03/01/07
Date Extracted	03/06/07
Date Analyzed	03/09/07
Dry Weight	84.9
Dilution Factor	1:1
C ₉ -C ₁₈ Aliphatics*	< 10 (mg/Kg)
C ₁₉ -C ₃₆ Aliphatics*	11 (mg/Kg)
C ₁₁ -C ₂₂ Aromatics*	11 (mg/Kg)
Aliphatic Surrogate % Recovery	130
Aromatic Surrogate % Recovery	120
Fractionation Surrogate 1 % Recovery	99

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G649-13-2G

Reviewed By: W

**EPH (Aliphatics/Aromatics) Results**

by MDEP-EPH

Client Name: Osage of VirginiaProject Name: CSFF

Sample Information and Analytical Results	
Sample Identification	CSFF SS 003/004B
Sample Matrix	Soil
Date Collected	03/01/07
Date Received	03/01/07
Date Extracted	03/06/07
Date Analyzed	03/09/07
Dry Weight	73.3
Dilution Factor	1:1
C ₉ -C ₁₈ Aliphatics*	< 10 (mg/Kg)
C ₁₉ -C ₃₆ Aliphatics*	< 10 (mg/Kg)
C ₁₁ -C ₂₂ Aromatics*	< 10 (mg/Kg)
Aliphatic Surrogate % Recovery	110
Aromatic Surrogate % Recovery	99
Fractionation Surrogate 1 % Recovery	98

Comments:

* = Excludes any surrogates or internal standards.

Lab info: G649-13-3G

Reviewed By: EW

EPH Laboratory Reporting Form

Calibration and QA/QC Information

Initial Calibration Date: 02/14/07

Calibration Ranges and Limits

Range	MDL (2/2004) (µg/L)	ML (µg/L)	RL (µg/L) (mg/Kg)	
C ₉ -C ₁₈ Aliphatics	3.84	12.2	100	10
C ₁₉ -C ₃₆ Aliphatics	0.57	1.8	100	10
C ₁₁ -C ₂₂ Aromatics	4.54	14.4	100	10

Calibration Concentration Levels

Range	Levels (µg/mL)	%RSD or CCC	Method of Quantitation
C ₉ -C ₁₈ Aliphatics	6	4.20	Calibration Factor
	30		
	60		
	120		
	240		
C ₁₉ -C ₃₆ Aliphatics	8	3.6	Calibration Factor
	40		
	80		
	160		
	320		
C ₁₁ -C ₂₂ Aromatics	17	7.2	Calibration Factor
	85		
	170		
	340		
	680		

Calibration Check Date: 03/09/07

Calibration Check

Range	Levels (µg/mL)	RPD
C ₉ -C ₁₈ Aliphatics	120	7.7
C ₁₉ -C ₃₆ Aliphatics	160	8.5
C ₁₁ -C ₂₂ Aromatics	340	17.9

MDL = Method Detection Limit
ML = Minimum Limit
RL = Reportable Limit

RPD = Relative Percent Difference
%RSD = Percent Relative Standard Deviation
CCC = Correlation Coefficient of Curve

CHAIN OF CUSTODY RECORD

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☐ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

APPENDIX B
Photos



Campbell Street Fuel Farm Release Dig 1 of 3 - Picture 1 of 6



Campbell Street Fuel Farm Release Dig 1 of 3 - Picture 2 of 6



Campbell Street Fuel Farm Release Dig 1 of 3 - Picture 3 of 6



Campbell Street Fuel Farm Release Dig 1 of 3 - Picture 4 of 6



Campbell Street Fuel Farm Release Dig 1 of 3 - Picture 5 of 6



Campbell Street Fuel Farm Release Dig 1 of 3 - Picture 6 of 6

APPENDIX C
Manifests

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804

Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # 9644

LOAD # 1/0630

GENERATOR

MCA S New River
Fuel Farm Campbell St
Jacksonville NC

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGINATION:

John W. Smith MCA S New River
21 Dec 2006 Jacksonville NC

Transporter: P & F Environmental

Gross Weight (lbs.): 85220

Truck #: PF 102

Tare Weight (lbs.): 32720

Truck Tag #/State: 2B 12252

Net Weight (lbs.): 52500

Driver Name (Print): Bryant

Net Weight (tons): 26.25

I hereby certify that the material stated herein
was received at the waste origination site listed.

I hereby certify that the material stated herein was
delivered without incident to the destination listed.

Bryant Bridger 11-29-06
Driver Signature Date

Bryant Bridger 11-29-06
Driver Signature Date

Inspected and Accepted By: _____

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804

Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # 9644

LOAD # 210431

GENERATOR

MCAS New River

Fuel Farm Campbell St

Jacksonville NC

DESTINATION

Land Application Facility Permit No. SR0500106

Speights Chapel Road

Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGATION:

John L. Smith MCAS New River
27 DEC 2006 Jacksonville NC

Transporter: P & F Environmental

Gross Weight (lbs.): 67640

Truck #: PF 101

Tare Weight (lbs.): 23140

Truck Tag #/State: ZB 12251

Net Weight (lbs.): 44500

Driver Name (Print): Walter

Net Weight (tons): 22.25

I hereby certify that the material stated herein
was received at the waste origination site listed.

Walter P. La 11-29-06
Driver Signature Date

I hereby certify that the material stated herein was
delivered without incident to the destination listed.

Walter P. La 11-29-06
Driver Signature Date

Inspected and Accepted By: _____

Bryant P. Dudgeon

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

P & F Environmental

4352 N. Old Carriage Road • Rocky Mount, NC 27804

Phone: (252) 443-4083 • Fax: (252) 443-4104

NON-HAZARDOUS WASTE MANIFEST

APPROVAL # 9644

LOAD # 3/0432

GENERATOR

MCAS New River
Fuel Farm Campbell St
Jacksonville NC

DESTINATION

Land Application Facility Permit No. SR0500106
Speights Chapel Road
Whitakers, NC 27891

PHONE: _____

PHONE: (252) 443-4083

WASTE DESCRIPTION:

Non-Hazardous Petroleum Contaminated Soil

WASTE ORIGATION:

MCAS New River
21 Dec 2006 Jackson with PL

Transporter: P & F Environmental

Gross Weight (lbs.): 80920

Truck #: PF 102

Tare Weight (lbs.): 32720

Truck Tag #/State: 2B 12253

Net Weight (lbs.): 48200

Driver Name (Print): Bryant

Net Weight (tons): 24.10

I hereby certify that the material stated herein
was received at the waste origination site listed.

I hereby certify that the material stated herein was
delivered without incident to the destination listed.

Bryant Dudgeon 11-30-06
Driver Signature Date

Bryant Dudgeon 11-30-06
Driver Signature Date

Inspected and Accepted By: _____

Bryant Dudgeon

NOTICE TO TRANSPORTER

TRUCKS WILL NOT BE PERMITTED TO ENTER
THE FACILITY WITHOUT THIS ENTRANCE TICKET

Marine Corps Base, Camp Lejeune

Non-Hazardous Waste Shipping Document

Document #: _____

Site: <u>CAMPBELL STREET FUEL FARM</u>			Page 1 of 1	
Generator's Name & Mailing Address: <u>COMMANDING GENERAL AC/S, I&E (EMD) MARINE CORPS BASE PSC BOX 20004 CAMP LEJEUNE, NC 28542-0004</u>			US EPA ID Number: <u>NC6170022580</u>	
Generator's Telephone #: <u>(910) 451-1482</u>			<u>SR0500106</u>	
Transporter's Name, Mailing Address & Telephone Number: <u>252 443-4083</u> <u>P+F ENVIRONMENTAL</u>			US EPA ID Number: <u>~~SR0500106~~</u>	
<u>STATION CHAPEL 4352 N. OLD CARRIAGE RD, ROCKY MOUNT, NC 27804</u>				
Destination's Name, Mailing Address & Telephone Number: <u>252 443-4083</u> <u>STATION CHAPEL RD</u> <u>WHITAKERS, NC</u>			US EPA ID Number: <u>~~SR0500106~~</u> <u>SR0500106</u>	

Waste Shipping Name and Description	Containers		Total Quantity	Units
	Number	Type		
<u>CONTAMINATED SOIL / NON-HAZ</u>	<u>02</u>	<u>TT</u>	<u>71100</u>	<u>lbs</u>
			<u>35.55</u>	<u>tons</u>

Container/Tag Number: <u>ab:</u>	Profile #: _____
----------------------------------	------------------

Additional Information and Discrepancy Indication:

COL # 453 8892 TRUCK # 102 TAG # AY90499

GENERATOR'S STATEMENT: The materials described above on this shipping document are not subject to federal regulations for proper disposal of hazardous waste. The determination of non-hazardous waste and the information on this form are based on the analysis provided by:

Printed/Typed Name	Signature:	Date:
<u>LARRY Lawler</u>	<u>[Signature]</u>	<u>3-1-07</u>
Transporter's Name	Signature:	Date:
<u>Walter Park</u> <u>WALTER PARKER</u>	<u>Walter Park</u>	<u>3/1/07</u>
Receiving Facility	Signature:	Date:
<u>P+F Environmental, Inc.</u>	<u>Janet Bridger</u>	<u>3/1/07</u>

Return Original form to Generator

Marine Corps Base, Camp Lejeune

Non-Hazardous Waste Shipping Document

Document #:

86749
06748

Site: TC860/56866 Camp Geiger CLNC (CIS 002) Page 1 of 1
 Generator's Name & Mailing Address: COMMANDING GENERAL US EPA ID Number: NC6170022580
AC/S, I&E (EMD)
MARINE CORPS BASE
PSC BOX 20004
CAMP LEJEUNE, NC 28542-0004
 Generator's Telephone #: (910) 451-1482

Transporter's Name, Mailing Address & Telephone Number: US EPA ID Number: NCR03208440
P&F Environmental Services
8549 Mill Branch Rd Rocky Mount NC 27803 (252) 212-8012

Destination's Name, Mailing Address & Telephone Number: US EPA ID Number: SRO500106
P&F Environmental Services
SPEIGHTS Chapel Rd Whitakers NC 27891 (252) 443-4083

Waste Shipping Name and Description	Containers		Total Quantity	Units
	Number	Type		
<u>Petroleum Contaminated Soil</u>	<u>001</u>	<u>DT</u>	<u>2.63</u>	<u>TONS</u>
<u>(Non Hazardous)</u>			<u>28820</u>	<u>Gross</u>

Container/Tag Number: Lab: Profile #:

Additional Information and Discrepancy Indication:
IN # NC 4538892 TRK # P101 TID # ZB12254

GENERATOR'S STATEMENT: The materials described above on this shipping document are not subject to federal regulations or proper disposal of hazardous waste. The determination of non-hazardous waste and the information on this form are based on the analysis provided by:

Printed/Typed Name	Signature:	Date:
<u>EUGENE JONES</u>	<u>[Signature]</u>	<u>5/10/07</u>
Transporter's Name	Signature:	Date:
<u>WALTER PARKER</u>	<u>[Signature]</u>	<u>5/10/07</u>
Accepting Facility	Signature:	Date:
<u>P&F Environmental</u>	<u>[Signature]</u>	<u>5-10-07</u>

Return Original form to Generator