Appendix D

Pre-Remediation Sampling Report and Waste Characterization Results

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8823-1

SDG Number: 220-8823

Job Description: Mechanicville Waste Profile - April 18

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill



Approved for release.
Johanna Dubauskas
Project Manager I
4/27/2009 5:04 PM

Johanna Dubauskas
Project Manager I
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04/27/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541
Diesel Range Organics (DRO) (GC)	TAL CT	SW846 8015B	
Ultrasonic Extraction	TAL CT		SW846 3550B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CT	SW846 8082	
Ultrasonic Extraction	TAL CT		SW846 3550B
Metals (ICP)	TAL CT	SW846 6010B	
Preparation, Metals	TAL CT		SW846 3050B
Mercury (CVAA)	TAL CT	SW846 7471A	
Preparation, Mercury	TAL CT		SW846 7471A
Cyanide, Total andor Amenable	TAL CT	SW846 9012B	
Cyanide, Total and/or Amenable, Distillation	TAL CT		SW846 9012B
Sulfur, Total	TAL SAV	SW846 9038	
Bomb Preparation Method for Solid Waste	TAL SAV		SW846 5050
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B

Lab References:

TAL CT = TestAmerica Connecticut

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8260B	Kostrzewska, Barbara	BK
SW846 8270C	Szymczuk, Magdalena	MS
SW846 8015B	Widomski, Sarah	SW
SW846 8082	Smith, Karli	KS
SW846 6010B	Petronchak, Nestor	NP
SW846 7471A	Voytek, Joseph F	JFV
SW846 9012B	Natoli, Richard A	RN
SW846 9038	Nelson, Christopher	CN
EPA Moisture	Lynch, Eon	EL

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8823-1	MCTPWS 06 001	Solid	04/17/2009 0900	04/18/2009 1012
220-8823-2	MCTPWS 06 002	Solid	04/17/2009 0900	04/18/2009 1012
220-8823-3	MCTPWS 06 003	Solid	04/17/2009 0900	04/18/2009 1012
220-8823-4	MCTPWS 06 004	Solid	04/17/2009 0900	04/18/2009 1012
220-8823-5	MCTPWS 06 005	Solid	04/17/2009 0900	04/18/2009 1012
220-8823-6	MCTPWS 04 006	Solid	04/17/2009 0900	04/18/2009 1012
220-8823-7	MCTPWS 04 007	Solid	04/17/2009 0900	04/18/2009 1012
220-8823-8	MCTPWS 04 008	Solid	04/17/2009 0900	04/18/2009 1012
220-8823-9	MCTPWS 04 009	Solid	04/17/2009 0900	04/18/2009 1012
220-8823-10	MCTPWS 04 010	Solid	04/17/2009 0900	04/18/2009 1012
220-8823-11	MCTPWS 08 011	Solid	04/17/2009 1000	04/18/2009 1012
220-8823-12	MCTPWS 06 012	Solid	04/17/2009 1000	04/18/2009 1012
220-8823-13	MCTPWS 04 013	Solid	04/17/2009 1000	04/18/2009 1012
220-8823-14	MCTPWS 06 014	Solid	04/17/2009 1000	04/18/2009 1012
220-8823-15	MCTPWS 08 015	Solid	04/17/2009 1000	04/18/2009 1012
220-8823-16TB	Trip Blank	Water	04/17/2009 0000	04/18/2009 1012

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 001**

Lab Sample ID: 220-8823-1
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B-Medium
Dilution: 1.0
Date Analyzed: 04/24/2009 1925
Date Prepared: 04/24/2009 1420
Analysis Batch: 220-26629
Prep Batch: 220-26622
Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4622.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1400	U *	270	1400
Benzene		760		75	560
Bromodichloromethane		560	U	78	560
Bromoform		560	U	90	560
Bromomethane		560	U	100	560
Methyl Ethyl Ketone		560	U *	120	560
Carbon disulfide		560	U	75	560
Carbon tetrachloride		560	U	87	560
Chlorobenzene		560	U	70	560
Chloroethane		560	U	90	560
Chloroform		560	U	70	560
Chloromethane		560	U	72	560
Dibromochloromethane		560	U	88	560
1,1-Dichloroethane		560	U	81	560
1,2-Dichloroethane		560	U	67	560
1,1-Dichloroethene		560	U	85	560
1,2-Dichloropropane		560	U	59	560
cis-1,3-Dichloropropene		560	U	69	560
trans-1,3-Dichloropropene		560	U	70	560
Ethylbenzene		12000		59	560
2-Hexanone		560	U	150	560
Methylene Chloride		210	J	92	560
methyl isobutyl ketone		560	U	93	560
Styrene		560	U	90	560
1,1,2,2-Tetrachloroethane		560	U	75	560
Tetrachloroethene		560	U	93	560
Toluene		1000		81	560
1,1,1-Trichloroethane		560	U	70	560
1,1,2-Trichloroethane		560	U	77	560
Trichloroethene		560	U	73	560
Vinyl chloride		560	U	76	560
Xylenes, Total		12000		240	560
cis-1,2-Dichloroethene		560	U	68	560
trans-1,2-Dichloroethene		560	U	60	560

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	70	64 - 126
4-Bromofluorobenzene	90	56 - 139
Dibromofluoromethane	71	65 - 123
Toluene-d8 (Surr)	73	70 - 128

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 002**

Lab Sample ID: 220-8823-2
Client Matrix: Solid
% Moisture: 19.4
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B-Medium
Dilution: 5.0
Date Analyzed: 04/24/2009 1838
Date Prepared: 04/24/2009 1420
Analysis Batch: 220-26629
Prep Batch: 220-26622
Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4620.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		7800	U *	1500	7800
Benzene		810	J	410	3100
Bromodichloromethane		3100	U	430	3100
Bromoform		3100	U	500	3100
Bromomethane		3100	U	570	3100
Methyl Ethyl Ketone		3100	U *	680	3100
Carbon disulfide		3100	U	410	3100
Carbon tetrachloride		3100	U	480	3100
Chlorobenzene		3100	U	380	3100
Chloroethane		3100	U	500	3100
Chloroform		3100	U	380	3100
Chloromethane		3100	U	400	3100
Dibromochloromethane		3100	U	480	3100
1,1-Dichloroethane		3100	U	450	3100
1,2-Dichloroethane		3100	U	370	3100
1,1-Dichloroethene		3100	U	470	3100
1,2-Dichloropropane		3100	U	320	3100
cis-1,3-Dichloropropene		3100	U	380	3100
trans-1,3-Dichloropropene		3100	U	380	3100
Ethylbenzene		29000		320	3100
2-Hexanone		3100	U	810	3100
Methylene Chloride		900	J	500	3100
methyl isobutyl ketone		3100	U	510	3100
Styrene		3100	U	500	3100
1,1,2,2-Tetrachloroethane		3100	U	410	3100
Tetrachloroethene		3100	U	510	3100
Toluene		800	J	450	3100
1,1,1-Trichloroethane		3100	U	380	3100
1,1,2-Trichloroethane		3100	U	420	3100
Trichloroethene		3100	U	400	3100
Vinyl chloride		3100	U	420	3100
Xylenes, Total		26000		1300	3100
cis-1,2-Dichloroethene		3100	U	370	3100
trans-1,2-Dichloroethene		3100	U	330	3100

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80	64 - 126
4-Bromofluorobenzene	85	56 - 139
Dibromofluoromethane	78	65 - 123
Toluene-d8 (Surr)	78	70 - 128

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 003**

Lab Sample ID: 220-8823-3
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B-Medium
Dilution: 2.0
Date Analyzed: 04/24/2009 1814
Date Prepared: 04/24/2009 1420
Analysis Batch: 220-26629
Prep Batch: 220-26622
Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4619.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		3000	U *	570	3000
Benzene		890	J	160	1200
Bromodichloromethane		1200	U	160	1200
Bromoform		1200	U	190	1200
Bromomethane		1200	U	220	1200
Methyl Ethyl Ketone		1200	U *	260	1200
Carbon disulfide		1200	U	160	1200
Carbon tetrachloride		1200	U	180	1200
Chlorobenzene		1200	U	150	1200
Chloroethane		1200	U	190	1200
Chloroform		1200	U	150	1200
Chloromethane		1200	U	150	1200
Dibromochloromethane		1200	U	190	1200
1,1-Dichloroethane		1200	U	170	1200
1,2-Dichloroethane		1200	U	140	1200
1,1-Dichloroethene		1200	U	180	1200
1,2-Dichloropropane		1200	U	120	1200
cis-1,3-Dichloropropene		1200	U	150	1200
trans-1,3-Dichloropropene		1200	U	150	1200
Ethylbenzene		15000		120	1200
2-Hexanone		1200	U	310	1200
Methylene Chloride		400	J	190	1200
methyl isobutyl ketone		1200	U	200	1200
Styrene		250	J	190	1200
1,1,2,2-Tetrachloroethane		1200	U	160	1200
Tetrachloroethene		1200	U	200	1200
Toluene		1200	J	170	1200
1,1,1-Trichloroethane		1200	U	150	1200
1,1,2-Trichloroethane		1200	U	160	1200
Trichloroethene		1200	U	150	1200
Vinyl chloride		1200	U	160	1200
Xylenes, Total		14000		500	1200
cis-1,2-Dichloroethene		1200	U	140	1200
trans-1,2-Dichloroethene		1200	U	130	1200

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	64 - 126
4-Bromofluorobenzene	109	56 - 139
Dibromofluoromethane	98	65 - 123
Toluene-d8 (Surr)	96	70 - 128

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 004**

Lab Sample ID: 220-8823-4
Client Matrix: Solid
% Moisture: 16.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B-Medium
Dilution: 2.0
Date Analyzed: 04/24/2009 2036
Date Prepared: 04/24/2009 1420
Analysis Batch: 220-26629
Prep Batch: 220-26622
Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4625.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		3000	U *	570	3000
Benzene		800	J	160	1200
Bromodichloromethane		1200	U	160	1200
Bromoform		1200	U	190	1200
Bromomethane		1200	U	220	1200
Methyl Ethyl Ketone		1200	U *	260	1200
Carbon disulfide		1200	U	160	1200
Carbon tetrachloride		1200	U	180	1200
Chlorobenzene		1200	U	150	1200
Chloroethane		1200	U	190	1200
Chloroform		1200	U	150	1200
Chloromethane		1200	U	150	1200
Dibromochloromethane		1200	U	190	1200
1,1-Dichloroethane		1200	U	170	1200
1,2-Dichloroethane		1200	U	140	1200
1,1-Dichloroethene		1200	U	180	1200
1,2-Dichloropropane		1200	U	120	1200
cis-1,3-Dichloropropene		1200	U	150	1200
trans-1,3-Dichloropropene		1200	U	150	1200
Ethylbenzene		9400		120	1200
2-Hexanone		1200	U	310	1200
Methylene Chloride		260	J	190	1200
methyl isobutyl ketone		1200	U	200	1200
Styrene		1200	U	190	1200
1,1,2,2-Tetrachloroethane		1200	U	160	1200
Tetrachloroethene		1200	U	200	1200
Toluene		600	J	170	1200
1,1,1-Trichloroethane		1200	U	150	1200
1,1,2-Trichloroethane		1200	U	160	1200
Trichloroethene		1200	U	150	1200
Vinyl chloride		1200	U	160	1200
Xylenes, Total		11000		500	1200
cis-1,2-Dichloroethene		1200	U	140	1200
trans-1,2-Dichloroethene		1200	U	130	1200

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	64 - 126
4-Bromofluorobenzene	98	56 - 139
Dibromofluoromethane	86	65 - 123
Toluene-d8 (Surr)	83	70 - 128

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 005**

Lab Sample ID: 220-8823-5
Client Matrix: Solid
% Moisture: 11.6
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B-Medium
Dilution: 2.0
Date Analyzed: 04/24/2009 2100
Date Prepared: 04/24/2009 1420
Analysis Batch: 220-26629
Prep Batch: 220-26622
Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4626.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		2800	U *	540	2800
Benzene		620	J	150	1100
Bromodichloromethane		1100	U	160	1100
Bromoform		1100	U	180	1100
Bromomethane		1100	U	210	1100
Methyl Ethyl Ketone		1100	U *	250	1100
Carbon disulfide		1100	U	150	1100
Carbon tetrachloride		1100	U	170	1100
Chlorobenzene		1100	U	140	1100
Chloroethane		1100	U	180	1100
Chloroform		1100	U	140	1100
Chloromethane		1100	U	140	1100
Dibromochloromethane		1100	U	180	1100
1,1-Dichloroethane		1100	U	160	1100
1,2-Dichloroethane		1100	U	130	1100
1,1-Dichloroethene		1100	U	170	1100
1,2-Dichloropropane		1100	U	120	1100
cis-1,3-Dichloropropene		1100	U	140	1100
trans-1,3-Dichloropropene		1100	U	140	1100
Ethylbenzene		13000		120	1100
2-Hexanone		1100	U	290	1100
Methylene Chloride		260	J	180	1100
methyl isobutyl ketone		1100	U	190	1100
Styrene		1100	U	180	1100
1,1,2,2-Tetrachloroethane		1100	U	150	1100
Tetrachloroethene		1100	U	190	1100
Toluene		560	J	160	1100
1,1,1-Trichloroethane		1100	U	140	1100
1,1,2-Trichloroethane		1100	U	150	1100
Trichloroethene		1100	U	150	1100
Vinyl chloride		1100	U	150	1100
Xylenes, Total		12000		480	1100
cis-1,2-Dichloroethene		1100	U	140	1100
trans-1,2-Dichloroethene		1100	U	120	1100

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	76	64 - 126
4-Bromofluorobenzene	88	56 - 139
Dibromofluoromethane	77	65 - 123
Toluene-d8 (Surr)	79	70 - 128

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 006**

Lab Sample ID: 220-8823-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B-Medium
Dilution: 5.0
Date Analyzed: 04/24/2009 1949
Date Prepared: 04/24/2009 1420
Analysis Batch: 220-26629
Prep Batch: 220-26622
Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4623.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		8700	U *	1700	8700
Benzene		990	J	460	3500
Bromodichloromethane		3500	U	480	3500
Bromoform		3500	U	560	3500
Bromomethane		3500	U	640	3500
Methyl Ethyl Ketone		3500	U *	770	3500
Carbon disulfide		3500	U	460	3500
Carbon tetrachloride		3500	U	540	3500
Chlorobenzene		3500	U	430	3500
Chloroethane		3500	U	560	3500
Chloroform		3500	U	430	3500
Chloromethane		3500	U	450	3500
Dibromochloromethane		3500	U	540	3500
1,1-Dichloroethane		3500	U	500	3500
1,2-Dichloroethane		3500	U	410	3500
1,1-Dichloroethene		3500	U	520	3500
1,2-Dichloropropane		3500	U	360	3500
cis-1,3-Dichloropropene		3500	U	420	3500
trans-1,3-Dichloropropene		3500	U	430	3500
Ethylbenzene		59000		360	3500
2-Hexanone		3500	U	900	3500
Methylene Chloride		810	J	560	3500
methyl isobutyl ketone		3500	U	570	3500
Styrene		3500	U	560	3500
1,1,2,2-Tetrachloroethane		3500	U	460	3500
Tetrachloroethene		3500	U	570	3500
Toluene		3500	U	500	3500
1,1,1-Trichloroethane		3500	U	430	3500
1,1,2-Trichloroethane		3500	U	470	3500
Trichloroethene		3500	U	450	3500
Vinyl chloride		3500	U	470	3500
Xylenes, Total		47000		1500	3500
cis-1,2-Dichloroethene		3500	U	420	3500
trans-1,2-Dichloroethene		3500	U	370	3500

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	75	64 - 126
4-Bromofluorobenzene	95	56 - 139
Dibromofluoromethane	82	65 - 123
Toluene-d8 (Surr)	78	70 - 128

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 007**

Lab Sample ID: 220-8823-7
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B-Medium
Dilution: 1.0
Date Analyzed: 04/24/2009 2013
Date Prepared: 04/24/2009 1420
Analysis Batch: 220-26629
Prep Batch: 220-26622
Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4624.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		1400	U *	270	1400
Benzene		690		75	570
Bromodichloromethane		570	U	79	570
Bromoform		570	U	91	570
Bromomethane		570	U	100	570
Methyl Ethyl Ketone		570	U *	130	570
Carbon disulfide		570	U	75	570
Carbon tetrachloride		570	U	88	570
Chlorobenzene		570	U	71	570
Chloroethane		570	U	91	570
Chloroform		570	U	71	570
Chloromethane		570	U	73	570
Dibromochloromethane		570	U	89	570
1,1-Dichloroethane		570	U	82	570
1,2-Dichloroethane		570	U	67	570
1,1-Dichloroethene		570	U	85	570
1,2-Dichloropropane		570	U	59	570
cis-1,3-Dichloropropene		570	U	69	570
trans-1,3-Dichloropropene		570	U	71	570
Ethylbenzene		9700		59	570
2-Hexanone		570	U	150	570
Methylene Chloride		220	J	92	570
methyl isobutyl ketone		570	U	93	570
Styrene		570	U	91	570
1,1,2,2-Tetrachloroethane		570	U	75	570
Tetrachloroethene		570	U	93	570
Toluene		270	J	82	570
1,1,1-Trichloroethane		570	U	71	570
1,1,2-Trichloroethane		570	U	77	570
Trichloroethene		570	U	74	570
Vinyl chloride		570	U	76	570
Xylenes, Total		8500		240	570
cis-1,2-Dichloroethene		570	U	68	570
trans-1,2-Dichloroethene		570	U	60	570

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	64 - 126
4-Bromofluorobenzene	107	56 - 139
Dibromofluoromethane	96	65 - 123
Toluene-d8 (Surr)	94	70 - 128

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 008**

Lab Sample ID: 220-8823-8
Client Matrix: Solid
% Moisture: 12.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B-Medium
Dilution: 20
Date Analyzed: 04/24/2009 1615
Date Prepared: 04/24/2009 1420
Analysis Batch: 220-26629
Prep Batch: 220-26622
Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4614.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		28000	U *	5500	28000
Benzene		4500	J	1500	11000
Bromodichloromethane		11000	U	1600	11000
Bromoform		11000	U	1800	11000
Bromomethane		11000	U	2100	11000
Methyl Ethyl Ketone		11000	U *	2500	11000
Carbon disulfide		11000	U	1500	11000
Carbon tetrachloride		11000	U	1800	11000
Chlorobenzene		11000	U	1400	11000
Chloroethane		11000	U	1800	11000
Chloroform		11000	U	1400	11000
Chloromethane		11000	U	1500	11000
Dibromochloromethane		11000	U	1800	11000
1,1-Dichloroethane		11000	U	1600	11000
1,2-Dichloroethane		11000	U	1300	11000
1,1-Dichloroethene		11000	U	1700	11000
1,2-Dichloropropane		11000	U	1200	11000
cis-1,3-Dichloropropene		11000	U	1400	11000
trans-1,3-Dichloropropene		11000	U	1400	11000
Ethylbenzene		120000		1200	11000
2-Hexanone		11000	U	3000	11000
Methylene Chloride		2300	J	1800	11000
methyl isobutyl ketone		11000	U	1900	11000
Styrene		11000	U	1800	11000
1,1,2,2-Tetrachloroethane		11000	U	1500	11000
Tetrachloroethene		11000	U	1900	11000
Toluene		5900	J	1600	11000
1,1,1-Trichloroethane		11000	U	1400	11000
1,1,2-Trichloroethane		11000	U	1500	11000
Trichloroethene		11000	U	1500	11000
Vinyl chloride		11000	U	1500	11000
Xylenes, Total		120000		4800	11000
cis-1,2-Dichloroethene		11000	U	1400	11000
trans-1,2-Dichloroethene		11000	U	1200	11000

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81	64 - 126
4-Bromofluorobenzene	75	56 - 139
Dibromofluoromethane	83	65 - 123
Toluene-d8 (Surr)	77	70 - 128

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 009**

Lab Sample ID: 220-8823-9
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B-Medium
Dilution: 20
Date Analyzed: 04/24/2009 1702
Date Prepared: 04/24/2009 1420
Analysis Batch: 220-26629
Prep Batch: 220-26622
Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4616.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		29000	U *	5600	29000
Benzene		9000	J	1500	12000
Bromodichloromethane		12000	U	1600	12000
Bromoform		12000	U	1900	12000
Bromomethane		12000	U	2200	12000
Methyl Ethyl Ketone		12000	U *	2600	12000
Carbon disulfide		12000	U	1500	12000
Carbon tetrachloride		12000	U	1800	12000
Chlorobenzene		12000	U	1500	12000
Chloroethane		12000	U	1900	12000
Chloroform		12000	U	1500	12000
Chloromethane		12000	U	1500	12000
Dibromochloromethane		12000	U	1800	12000
1,1-Dichloroethane		12000	U	1700	12000
1,2-Dichloroethane		12000	U	1400	12000
1,1-Dichloroethene		12000	U	1800	12000
1,2-Dichloropropane		12000	U	1200	12000
cis-1,3-Dichloropropene		12000	U	1400	12000
trans-1,3-Dichloropropene		12000	U	1500	12000
Ethylbenzene		120000		1200	12000
2-Hexanone		12000	U	3100	12000
Methylene Chloride		2500	J	1900	12000
methyl isobutyl ketone		12000	U	1900	12000
Styrene		12000	U	1900	12000
1,1,2,2-Tetrachloroethane		12000	U	1500	12000
Tetrachloroethene		12000	U	1900	12000
Toluene		8200	J	1700	12000
1,1,1-Trichloroethane		12000	U	1500	12000
1,1,2-Trichloroethane		12000	U	1600	12000
Trichloroethene		12000	U	1500	12000
Vinyl chloride		12000	U	1600	12000
Xylenes, Total		140000		4900	12000
cis-1,2-Dichloroethene		12000	U	1400	12000
trans-1,2-Dichloroethene		12000	U	1200	12000

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81	64 - 126
4-Bromofluorobenzene	76	56 - 139
Dibromofluoromethane	83	65 - 123
Toluene-d8 (Surr)	77	70 - 128

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 010**

Lab Sample ID: 220-8823-10
Client Matrix: Solid
% Moisture: 16.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B-Medium
Dilution: 20
Date Analyzed: 04/24/2009 1639
Date Prepared: 04/24/2009 1420
Analysis Batch: 220-26629
Prep Batch: 220-26622
Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4615.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		30000	U *	5700	30000
Benzene		4500	J	1600	12000
Bromodichloromethane		12000	U	1600	12000
Bromoform		12000	U	1900	12000
Bromomethane		12000	U	2200	12000
Methyl Ethyl Ketone		12000	U *	2600	12000
Carbon disulfide		12000	U	1600	12000
Carbon tetrachloride		12000	U	1800	12000
Chlorobenzene		12000	U	1500	12000
Chloroethane		12000	U	1900	12000
Chloroform		12000	U	1500	12000
Chloromethane		12000	U	1500	12000
Dibromochloromethane		12000	U	1900	12000
1,1-Dichloroethane		12000	U	1700	12000
1,2-Dichloroethane		12000	U	1400	12000
1,1-Dichloroethene		12000	U	1800	12000
1,2-Dichloropropane		12000	U	1200	12000
cis-1,3-Dichloropropene		12000	U	1500	12000
trans-1,3-Dichloropropene		12000	U	1500	12000
Ethylbenzene		98000		1200	12000
2-Hexanone		12000	U	3100	12000
Methylene Chloride		12000	U	1900	12000
methyl isobutyl ketone		12000	U	2000	12000
Styrene		12000	U	1900	12000
1,1,2,2-Tetrachloroethane		12000	U	1600	12000
Tetrachloroethene		12000	U	2000	12000
Toluene		10000	J	1700	12000
1,1,1-Trichloroethane		12000	U	1500	12000
1,1,2-Trichloroethane		12000	U	1600	12000
Trichloroethene		12000	U	1600	12000
Vinyl chloride		12000	U	1600	12000
Xylenes, Total		110000		5000	12000
cis-1,2-Dichloroethene		12000	U	1400	12000
trans-1,2-Dichloroethene		12000	U	1300	12000

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	79	64 - 126
4-Bromofluorobenzene	73	56 - 139
Dibromofluoromethane	80	65 - 123
Toluene-d8 (Surr)	76	70 - 128

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 011**

Lab Sample ID: 220-8823-11
Client Matrix: Solid
% Moisture: 39.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 2.0
Date Analyzed: 04/23/2009 1633
Date Prepared: 04/23/2009 1633
Analysis Batch: 220-26618
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2402.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		580	* B	7.4	66
Benzene		17	U	1.9	17
Bromodichloromethane		17	U	0.99	17
Bromoform		17	U	2.0	17
Bromomethane		17	U	6.9	17
Methyl Ethyl Ketone		210	*	5.3	33
Carbon disulfide		17	U *	1.4	17
Carbon tetrachloride		17	U	3.1	17
Chlorobenzene		17	U	2.0	17
Chloroethane		17	U	3.2	17
Chloroform		17	U	1.1	17
Chloromethane		17	U	2.6	17
Dibromochloromethane		17	U	1.2	17
1,1-Dichloroethane		17	U	0.99	17
1,2-Dichloroethane		17	U	1.9	17
1,1-Dichloroethene		17	U	1.9	17
1,2-Dichloropropane		17	U	2.2	17
cis-1,3-Dichloropropene		17	U	1.9	17
trans-1,3-Dichloropropene		17	U	0.89	17
Ethylbenzene		17	U	2.3	17
2-Hexanone		33	U	4.0	33
Methylene Chloride		32	J B	3.6	66
methyl isobutyl ketone		17	U	1.8	17
Styrene		17	U	0.50	17
1,1,2,2-Tetrachloroethane		17	U	1.7	17
Tetrachloroethene		17	U	2.7	17
Toluene		1.7	J	0.24	17
1,1,1-Trichloroethane		17	U	1.8	17
1,1,2-Trichloroethane		17	U	1.2	17
Trichloroethene		17	U	2.7	17
Vinyl chloride		17	U	0.76	17
Xylenes, Total		1.8	J	1.6	17
cis-1,2-Dichloroethene		17	U	1.2	17
trans-1,2-Dichloroethene		17	U	1.3	17

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	59 - 132
4-Bromofluorobenzene	95	34 - 124
Dibromofluoromethane	92	59 - 123
Toluene-d8 (Surr)	99	50 - 118

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 012**

Lab Sample ID: 220-8823-12
Client Matrix: Solid
% Moisture: 16.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/23/2009 1658
Date Prepared: 04/23/2009 1658
Analysis Batch: 220-26618
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2403.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		52	* B	2.7	24
Benzene		4.6	J	0.68	6.0
Bromodichloromethane		6.0	U	0.36	6.0
Bromoform		6.0	U	0.73	6.0
Bromomethane		6.0	U	2.5	6.0
Methyl Ethyl Ketone		12	U *	1.9	12
Carbon disulfide		10	*	0.49	6.0
Carbon tetrachloride		6.0	U	1.1	6.0
Chlorobenzene		6.0	U	0.71	6.0
Chloroethane		6.0	U	1.2	6.0
Chloroform		6.0	U	0.41	6.0
Chloromethane		6.0	U	0.93	6.0
Dibromochloromethane		6.0	U	0.42	6.0
1,1-Dichloroethane		6.0	U	0.36	6.0
1,2-Dichloroethane		6.0	U	0.69	6.0
1,1-Dichloroethene		6.0	U	0.69	6.0
1,2-Dichloropropane		6.0	U	0.80	6.0
cis-1,3-Dichloropropene		6.0	U	0.67	6.0
trans-1,3-Dichloropropene		6.0	U	0.32	6.0
Ethylbenzene		39		0.84	6.0
2-Hexanone		12	U	1.4	12
Methylene Chloride		9.6	J B	1.3	24
methyl isobutyl ketone		6.0	U	0.66	6.0
Styrene		15		0.18	6.0
1,1,2,2-Tetrachloroethane		6.0	U	0.62	6.0
Tetrachloroethene		6.0	U	0.97	6.0
Toluene		15		0.089	6.0
1,1,1-Trichloroethane		6.0	U	0.63	6.0
1,1,2-Trichloroethane		6.0	U	0.44	6.0
Trichloroethene		6.0	U	0.97	6.0
Vinyl chloride		6.0	U	0.28	6.0
Xylenes, Total		82		0.58	6.0
cis-1,2-Dichloroethene		6.0	U	0.44	6.0
trans-1,2-Dichloroethene		6.0	U	0.47	6.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80	59 - 132
4-Bromofluorobenzene	87	34 - 124
Dibromofluoromethane	78	59 - 123
Toluene-d8 (Surr)	84	50 - 118

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 013**

Lab Sample ID: 220-8823-13
Client Matrix: Solid
% Moisture: 49.8
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/23/2009 1416
Date Prepared: 04/23/2009 1416
Analysis Batch: 220-26618
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2398.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		22	J * B	4.5	40
Benzene		10	U	1.1	10
Bromodichloromethane		10	U	0.60	10
Bromoform		10	U	1.2	10
Bromomethane		10	U	4.1	10
Methyl Ethyl Ketone		20	U *	3.2	20
Carbon disulfide		10	U *	0.82	10
Carbon tetrachloride		10	U	1.9	10
Chlorobenzene		10	U	1.2	10
Chloroethane		10	U	2.0	10
Chloroform		10	U	0.68	10
Chloromethane		10	U	1.6	10
Dibromochloromethane		10	U	0.70	10
1,1-Dichloroethane		10	U	0.60	10
1,2-Dichloroethane		10	U	1.2	10
1,1-Dichloroethene		10	U	1.2	10
1,2-Dichloropropane		10	U	1.3	10
cis-1,3-Dichloropropene		10	U	1.1	10
trans-1,3-Dichloropropene		10	U	0.54	10
Ethylbenzene		1.4	J	1.4	10
2-Hexanone		20	U	2.4	20
Methylene Chloride		45	B	2.2	40
methyl isobutyl ketone		10	U	1.1	10
Styrene		10	U	0.30	10
1,1,2,2-Tetrachloroethane		10	U	1.0	10
Tetrachloroethene		10	U	1.6	10
Toluene		5.3	J	0.15	10
1,1,1-Trichloroethane		10	U	1.1	10
1,1,2-Trichloroethane		10	U	0.74	10
Trichloroethene		10	U	1.6	10
Vinyl chloride		10	U	0.46	10
Xylenes, Total		4.2	J	0.97	10
cis-1,2-Dichloroethene		10	U	0.74	10
trans-1,2-Dichloroethene		10	U	0.78	10

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	59 - 132
4-Bromofluorobenzene	90	34 - 124
Dibromofluoromethane	87	59 - 123
Toluene-d8 (Surr)	88	50 - 118

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 014**

Lab Sample ID: 220-8823-14
Client Matrix: Solid
% Moisture: 20.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/23/2009 1441
Date Prepared: 04/23/2009 1441
Analysis Batch: 220-26618
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2399.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		30	* B	2.8	25
Benzene		6.3	U	0.72	6.3
Bromodichloromethane		6.3	U	0.38	6.3
Bromoform		6.3	U	0.77	6.3
Bromomethane		6.3	U	2.6	6.3
Methyl Ethyl Ketone		13	U *	2.0	13
Carbon disulfide		6.3	U *	0.52	6.3
Carbon tetrachloride		6.3	U	1.2	6.3
Chlorobenzene		6.3	U	0.74	6.3
Chloroethane		6.3	U	1.2	6.3
Chloroform		6.3	U	0.43	6.3
Chloromethane		6.3	U	0.98	6.3
Dibromochloromethane		6.3	U	0.44	6.3
1,1-Dichloroethane		6.3	U	0.38	6.3
1,2-Dichloroethane		6.3	U	0.73	6.3
1,1-Dichloroethene		6.3	U	0.73	6.3
1,2-Dichloropropane		6.3	U	0.84	6.3
cis-1,3-Dichloropropene		6.3	U	0.70	6.3
trans-1,3-Dichloropropene		6.3	U	0.34	6.3
Ethylbenzene		0.96	J	0.88	6.3
2-Hexanone		13	U	1.5	13
Methylene Chloride		22	J B	1.4	25
methyl isobutyl ketone		6.3	U	0.69	6.3
Styrene		0.42	J	0.19	6.3
1,1,2,2-Tetrachloroethane		6.3	U	0.65	6.3
Tetrachloroethene		6.3	U	1.0	6.3
Toluene		1.2	J	0.093	6.3
1,1,1-Trichloroethane		6.3	U	0.67	6.3
1,1,2-Trichloroethane		6.3	U	0.47	6.3
Trichloroethene		6.3	U	1.0	6.3
Vinyl chloride		6.3	U	0.29	6.3
Xylenes, Total		2.0	J	0.61	6.3
cis-1,2-Dichloroethene		6.3	U	0.47	6.3
trans-1,2-Dichloroethene		6.3	U	0.49	6.3

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82	59 - 132
4-Bromofluorobenzene	88	34 - 124
Dibromofluoromethane	88	59 - 123
Toluene-d8 (Surr)	91	50 - 118

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 015**

Lab Sample ID: 220-8823-15
Client Matrix: Solid
% Moisture: 26.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/23/2009 1514
Date Prepared: 04/23/2009 1514
Analysis Batch: 220-26618
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2400.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Acetone		66	* B	3.0	27
Benzene		6.8	U	0.77	6.8
Bromodichloromethane		6.8	U	0.41	6.8
Bromoform		6.8	U	0.83	6.8
Bromomethane		6.8	U	2.8	6.8
Methyl Ethyl Ketone		18	*	2.2	14
Carbon disulfide		3.6	J *	0.56	6.8
Carbon tetrachloride		6.8	U	1.3	6.8
Chlorobenzene		6.8	U	0.80	6.8
Chloroethane		6.8	U	1.3	6.8
Chloroform		6.8	U	0.46	6.8
Chloromethane		6.8	U	1.1	6.8
Dibromochloromethane		6.8	U	0.48	6.8
1,1-Dichloroethane		6.8	U	0.41	6.8
1,2-Dichloroethane		6.8	U	0.79	6.8
1,1-Dichloroethene		6.8	U	0.79	6.8
1,2-Dichloropropane		6.8	U	0.91	6.8
cis-1,3-Dichloropropene		6.8	U	0.76	6.8
trans-1,3-Dichloropropene		6.8	U	0.37	6.8
Ethylbenzene		1.4	J	0.95	6.8
2-Hexanone		14	U	1.6	14
Methylene Chloride		11	J B	1.5	27
methyl isobutyl ketone		6.8	U	0.75	6.8
Styrene		0.69	J	0.20	6.8
1,1,2,2-Tetrachloroethane		6.8	U	0.71	6.8
Tetrachloroethene		6.8	U	1.1	6.8
Toluene		1.1	J	0.10	6.8
1,1,1-Trichloroethane		6.8	U	0.72	6.8
1,1,2-Trichloroethane		6.8	U	0.50	6.8
Trichloroethene		6.8	U	1.1	6.8
Vinyl chloride		6.8	U	0.31	6.8
Xylenes, Total		3.0	J	0.66	6.8
cis-1,2-Dichloroethene		6.8	U	0.50	6.8
trans-1,2-Dichloroethene		6.8	U	0.53	6.8

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	74	59 - 132
4-Bromofluorobenzene	88	34 - 124
Dibromofluoromethane	79	59 - 123
Toluene-d8 (Surr)	82	50 - 118

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **Trip Blank**

Lab Sample ID: 220-8823-16TB
Client Matrix: Water

Date Sampled: 04/17/2009 0000
Date Received: 04/18/2009 1012

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/20/2009 1403
Date Prepared: 04/20/2009 1403

Analysis Batch: 220-26455

Instrument ID: HP 5890/5971 GC/MS
Lab File ID: L4439.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	10	U *	1.0	10
Benzene	5.0	U	0.74	5.0
Bromodichloromethane	5.0	U	0.48	5.0
Bromoform	5.0	U	0.46	5.0
Bromomethane	5.0	U	2.1	5.0
Methyl Ethyl Ketone	10	U	1.1	10
Carbon disulfide	5.0	U	0.90	5.0
Carbon tetrachloride	5.0	U	1.1	5.0
Chlorobenzene	5.0	U	0.72	5.0
Chloroethane	5.0	U	1.1	5.0
Chloroform	5.0	U	0.67	5.0
Chloromethane	5.0	U	1.1	5.0
Dibromochloromethane	5.0	U	0.55	5.0
1,1-Dichloroethane	5.0	U	1.0	5.0
1,2-Dichloroethane	5.0	U	0.72	5.0
1,1-Dichloroethene	5.0	U	0.83	5.0
1,2-Dichloropropane	5.0	U	0.71	5.0
cis-1,3-Dichloropropene	5.0	U	0.28	5.0
trans-1,3-Dichloropropene	5.0	U	0.57	5.0
Ethylbenzene	5.0	U	0.87	5.0
2-Hexanone	10	U	1.1	10
Methylene Chloride	5.0	U	0.78	5.0
methyl isobutyl ketone	10	U	0.38	10
Styrene	5.0	U	0.64	5.0
1,1,2,2-Tetrachloroethane	5.0	U	0.81	5.0
Tetrachloroethene	5.0	U	0.81	5.0
Toluene	5.0	U	0.72	5.0
1,1,1-Trichloroethane	5.0	U	0.69	5.0
1,1,2-Trichloroethane	5.0	U	0.65	5.0
Trichloroethene	5.0	U	0.62	5.0
Vinyl chloride	5.0	U	0.99	5.0
Xylenes, Total	5.0	U	2.3	5.0
cis-1,2-Dichloroethene	5.0	U	0.99	5.0
trans-1,2-Dichloroethene	5.0	U	0.76	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	65 - 136
4-Bromofluorobenzene	102	51 - 142
Dibromofluoromethane	108	68 - 132
Toluene-d8 (Surr)	105	63 - 127

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 001**

Lab Sample ID: 220-8823-1
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 50
Date Analyzed: 04/24/2009 1538
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10800.D
Initial Weight/Volume: 15.57 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		15000	U	970	15000
Bis(2-chloroethyl)ether		15000	U	760	15000
2-Chlorophenol		15000	U	850	15000
1,3-Dichlorobenzene		15000	U	730	15000
1,4-Dichlorobenzene		15000	U	870	15000
Benzyl alcohol		15000	U	1400	15000
1,2-Dichlorobenzene		15000	U	870	15000
2,2'-oxybis[1-chloropropane]		15000	U	760	15000
2-Methylphenol		15000	U	880	15000
Hexachloroethane		15000	U	840	15000
N-Nitrosodi-n-propylamine		15000	U	990	15000
4-Methylphenol		15000	U	960	15000
Nitrobenzene		15000	U	940	15000
Isophorone		15000	U	810	15000
2-Nitrophenol		15000	U	930	15000
2,4-Dimethylphenol		15000	U	710	15000
Bis(2-chloroethoxy)methane		15000	U	680	15000
2,4-Dichlorophenol		15000	U	780	15000
1,2,4-Trichlorobenzene		15000	U	960	15000
Naphthalene		130000		760	15000
4-Chloroaniline		15000	U	2400	15000
Hexachlorobutadiene		15000	U	1100	15000
4-Chloro-3-methylphenol		15000	U	600	15000
2-Methylnaphthalene		83000		420	15000
Hexachlorocyclopentadiene		36000	U	6900	36000
2,4,6-Trichlorophenol		15000	U	400	15000
2,4,5-Trichlorophenol		93000	U	740	93000
2-Chloronaphthalene		15000	U	630	15000
2-Nitroaniline		93000	U	890	93000
Acenaphthylene		31000		720	15000
Dimethyl phthalate		15000	U	840	15000
2,6-Dinitrotoluene		15000	U	430	15000
Acenaphthene		82000		870	15000
3-Nitroaniline		93000	U	470	93000
2,4-Dinitrophenol		93000	U *	4400	93000
Dibenzofuran		6500	J	1000	15000
2,4-Dinitrotoluene		15000	U	1200	15000
4-Nitrophenol		93000	U	1100	93000
Fluorene		52000		880	15000
4-Chlorophenyl phenyl ether		15000	U	1100	15000
Diethyl phthalate		15000	U	1500	15000
4-Nitroaniline		15000	U	1100	15000
4,6-Dinitro-2-methylphenol		93000	U	6300	93000
N-Nitrosodiphenylamine		15000	U	830	15000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 001**

Lab Sample ID: 220-8823-1
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 50
Date Analyzed: 04/24/2009 1538
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10800.D
Initial Weight/Volume: 15.57 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		15000	U	950	15000
Hexachlorobenzene		15000	U	1000	15000
Pentachlorophenol		93000	U	8900	93000
Phenanthrene		190000		720	15000
Carbazole		15000	U	820	15000
Anthracene		49000		570	15000
Di-n-butyl phthalate		15000	U	2100	15000
Fluoranthene		68000		730	15000
Pyrene		91000		690	15000
Butyl benzyl phthalate		15000	U	820	15000
3,3'-Dichlorobenzidine		36000	U	3000	36000
Benzo[a]anthracene		29000		520	15000
Chrysene		26000		1100	15000
Bis(2-ethylhexyl) phthalate		15000	U	1400	15000
Di-n-octyl phthalate		15000	U	830	15000
Benzo[b]fluoranthene		18000		390	15000
Benzo[k]fluoranthene		5600	J	1300	15000
Benzo[a]pyrene		29000		400	15000
Indeno[1,2,3-cd]pyrene		13000	J	950	15000
Dibenz(a,h)anthracene		2600	J	1200	15000
Benzo[g,h,i]perylene		14000	J	960	15000

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	52	25 - 113
Phenol-d5	59	27 - 122
Nitrobenzene-d5	57	25 - 120
2-Fluorobiphenyl	68	32 - 131
2,4,6-Tribromophenol	58	24 - 150
Terphenyl-d14	67	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 002**

Lab Sample ID: 220-8823-2
Client Matrix: Solid
% Moisture: 19.4
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1605
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10801.D
Initial Weight/Volume: 15.80 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		64000	U	4200	64000
Bis(2-chloroethyl)ether		64000	U	3300	64000
2-Chlorophenol		64000	U	3700	64000
1,3-Dichlorobenzene		64000	U	3200	64000
1,4-Dichlorobenzene		64000	U	3800	64000
Benzyl alcohol		64000	U	6000	64000
1,2-Dichlorobenzene		64000	U	3800	64000
2,2'-oxybis[1-chloropropane]		64000	U	3300	64000
2-Methylphenol		64000	U	3800	64000
Hexachloroethane		64000	U	3600	64000
N-Nitrosodi-n-propylamine		64000	U	4300	64000
4-Methylphenol		64000	U	4200	64000
Nitrobenzene		64000	U	4100	64000
Isophorone		64000	U	3500	64000
2-Nitrophenol		64000	U	4000	64000
2,4-Dimethylphenol		64000	U	3100	64000
Bis(2-chloroethoxy)methane		64000	U	2900	64000
2,4-Dichlorophenol		64000	U	3400	64000
1,2,4-Trichlorobenzene		64000	U	4200	64000
Naphthalene		640000		3300	64000
4-Chloroaniline		64000	U	10000	64000
Hexachlorobutadiene		64000	U	4900	64000
4-Chloro-3-methylphenol		64000	U	2600	64000
2-Methylnaphthalene		420000		1800	64000
Hexachlorocyclopentadiene		160000	U	30000	160000
2,4,6-Trichlorophenol		64000	U	1700	64000
2,4,5-Trichlorophenol		400000	U	3200	400000
2-Chloronaphthalene		64000	U	2700	64000
2-Nitroaniline		400000	U	3900	400000
Acenaphthylene		81000		3100	64000
Dimethyl phthalate		64000	U	3700	64000
2,6-Dinitrotoluene		64000	U	1900	64000
Acenaphthene		230000		3800	64000
3-Nitroaniline		400000	U	2000	400000
2,4-Dinitrophenol		400000	U *	19000	400000
Dibenzofuran		19000	J	4500	64000
2,4-Dinitrotoluene		64000	U	5100	64000
4-Nitrophenol		400000	U	4800	400000
Fluorene		170000		3800	64000
4-Chlorophenyl phenyl ether		64000	U	4700	64000
Diethyl phthalate		64000	U	6400	64000
4-Nitroaniline		64000	U	4900	64000
4,6-Dinitro-2-methylphenol		400000	U	27000	400000
N-Nitrosodiphenylamine		64000	U	3600	64000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 002**

Lab Sample ID: 220-8823-2
Client Matrix: Solid
% Moisture: 19.4
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1605
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10801.D
Initial Weight/Volume: 15.80 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		64000	U	4100	64000
Hexachlorobenzene		64000	U	4400	64000
Pentachlorophenol		400000	U	39000	400000
Phenanthrene		550000		3100	64000
Carbazole		64000	U	3500	64000
Anthracene		130000		2500	64000
Di-n-butyl phthalate		64000	U	9200	64000
Fluoranthene		200000		3200	64000
Pyrene		260000		3000	64000
Butyl benzyl phthalate		64000	U	3600	64000
3,3'-Dichlorobenzidine		160000	U	13000	160000
Benzo[a]anthracene		78000		2300	64000
Chrysene		71000		4700	64000
Bis(2-ethylhexyl) phthalate		64000	U	6100	64000
Di-n-octyl phthalate		64000	U	3600	64000
Benzo[b]fluoranthene		47000	J	1700	64000
Benzo[k]fluoranthene		18000	J	5700	64000
Benzo[a]pyrene		73000		1700	64000
Indeno[1,2,3-cd]pyrene		34000	J	4100	64000
Dibenz(a,h)anthracene		64000	U	5000	64000
Benzo[g,h,i]perylene		38000	J	4100	64000

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	64	25 - 113
Phenol-d5	58	27 - 122
Nitrobenzene-d5	81	25 - 120
2-Fluorobiphenyl	80	32 - 131
2,4,6-Tribromophenol	68	24 - 150
Terphenyl-d14	80	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 003**

Lab Sample ID: 220-8823-3
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1632
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10802.D
Initial Weight/Volume: 15.11 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		64000	U	4200	64000
Bis(2-chloroethyl)ether		64000	U	3300	64000
2-Chlorophenol		64000	U	3700	64000
1,3-Dichlorobenzene		64000	U	3200	64000
1,4-Dichlorobenzene		64000	U	3800	64000
Benzyl alcohol		64000	U	6000	64000
1,2-Dichlorobenzene		64000	U	3800	64000
2,2'-oxybis[1-chloropropane]		64000	U	3300	64000
2-Methylphenol		64000	U	3800	64000
Hexachloroethane		64000	U	3600	64000
N-Nitrosodi-n-propylamine		64000	U	4300	64000
4-Methylphenol		64000	U	4200	64000
Nitrobenzene		64000	U	4100	64000
Isophorone		64000	U	3500	64000
2-Nitrophenol		64000	U	4000	64000
2,4-Dimethylphenol		64000	U	3100	64000
Bis(2-chloroethoxy)methane		64000	U	3000	64000
2,4-Dichlorophenol		64000	U	3400	64000
1,2,4-Trichlorobenzene		64000	U	4200	64000
Naphthalene		470000		3300	64000
4-Chloroaniline		64000	U	10000	64000
Hexachlorobutadiene		64000	U	4900	64000
4-Chloro-3-methylphenol		64000	U	2600	64000
2-Methylnaphthalene		330000		1800	64000
Hexachlorocyclopentadiene		160000	U	30000	160000
2,4,6-Trichlorophenol		64000	U	1700	64000
2,4,5-Trichlorophenol		400000	U	3200	400000
2-Chloronaphthalene		64000	U	2700	64000
2-Nitroaniline		400000	U	3900	400000
Acenaphthylene		71000		3100	64000
Dimethyl phthalate		64000	U	3700	64000
2,6-Dinitrotoluene		64000	U	1900	64000
Acenaphthene		170000		3800	64000
3-Nitroaniline		400000	U	2000	400000
2,4-Dinitrophenol		400000	U *	19000	400000
Dibenzofuran		14000	J	4500	64000
2,4-Dinitrotoluene		64000	U	5100	64000
4-Nitrophenol		400000	U	4800	400000
Fluorene		120000		3800	64000
4-Chlorophenyl phenyl ether		64000	U	4700	64000
Diethyl phthalate		64000	U	6400	64000
4-Nitroaniline		64000	U	4900	64000
4,6-Dinitro-2-methylphenol		400000	U	27000	400000
N-Nitrosodiphenylamine		64000	U	3600	64000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 003**

Lab Sample ID: 220-8823-3
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1632
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10802.D
Initial Weight/Volume: 15.11 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		64000	U	4100	64000
Hexachlorobenzene		64000	U	4400	64000
Pentachlorophenol		400000	U	39000	400000
Phenanthrene		400000		3100	64000
Carbazole		64000	U	3500	64000
Anthracene		100000		2500	64000
Di-n-butyl phthalate		64000	U	9300	64000
Fluoranthene		150000		3200	64000
Pyrene		200000		3000	64000
Butyl benzyl phthalate		64000	U	3600	64000
3,3'-Dichlorobenzidine		160000	U	13000	160000
Benzo[a]anthracene		60000	J	2300	64000
Chrysene		53000	J	4700	64000
Bis(2-ethylhexyl) phthalate		64000	U	6200	64000
Di-n-octyl phthalate		64000	U	3600	64000
Benzo[b]fluoranthene		40000	J	1700	64000
Benzo[k]fluoranthene		16000	J	5700	64000
Benzo[a]pyrene		60000	J	1700	64000
Indeno[1,2,3-cd]pyrene		26000	J	4100	64000
Dibenz(a,h)anthracene		5200	J	5000	64000
Benzo[g,h,i]perylene		29000	J	4200	64000

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	70	25 - 113
Phenol-d5	65	27 - 122
Nitrobenzene-d5	80	25 - 120
2-Fluorobiphenyl	78	32 - 131
2,4,6-Tribromophenol	56	24 - 150
Terphenyl-d14	58	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 004**

Lab Sample ID: 220-8823-4
Client Matrix: Solid
% Moisture: 16.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 100
Date Analyzed: 04/24/2009 1659
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10803.D
Initial Weight/Volume: 15.31 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		31000	U	2100	31000
Bis(2-chloroethyl)ether		31000	U	1600	31000
2-Chlorophenol		31000	U	1800	31000
1,3-Dichlorobenzene		31000	U	1600	31000
1,4-Dichlorobenzene		31000	U	1900	31000
Benzyl alcohol		31000	U	3000	31000
1,2-Dichlorobenzene		31000	U	1900	31000
2,2'-oxybis[1-chloropropane]		31000	U	1600	31000
2-Methylphenol		31000	U	1900	31000
Hexachloroethane		31000	U	1800	31000
N-Nitrosodi-n-propylamine		31000	U	2100	31000
4-Methylphenol		31000	U	2100	31000
Nitrobenzene		31000	U	2000	31000
Isophorone		31000	U	1700	31000
2-Nitrophenol		31000	U	2000	31000
2,4-Dimethylphenol		31000	U	1500	31000
Bis(2-chloroethoxy)methane		31000	U	1500	31000
2,4-Dichlorophenol		31000	U	1700	31000
1,2,4-Trichlorobenzene		31000	U	2100	31000
Naphthalene		450000		1600	31000
4-Chloroaniline		31000	U	5100	31000
Hexachlorobutadiene		31000	U	2400	31000
4-Chloro-3-methylphenol		31000	U	1300	31000
2-Methylnaphthalene		310000		900	31000
Hexachlorocyclopentadiene		78000	U	15000	78000
2,4,6-Trichlorophenol		31000	U	860	31000
2,4,5-Trichlorophenol		200000	U	1600	200000
2-Chloronaphthalene		31000	U	1300	31000
2-Nitroaniline		200000	U	1900	200000
Acenaphthylene		75000		1500	31000
Dimethyl phthalate		31000	U	1800	31000
2,6-Dinitrotoluene		31000	U	920	31000
Acenaphthene		170000		1900	31000
3-Nitroaniline		200000	U	1000	200000
2,4-Dinitrophenol		200000	U *	9400	200000
Dibenzofuran		31000	U	2200	31000
2,4-Dinitrotoluene		31000	U	2500	31000
4-Nitrophenol		200000	U	2400	200000
Fluorene		110000		1900	31000
4-Chlorophenyl phenyl ether		31000	U	2300	31000
Diethyl phthalate		31000	U	3200	31000
4-Nitroaniline		31000	U	2400	31000
4,6-Dinitro-2-methylphenol		200000	U	14000	200000
N-Nitrosodiphenylamine		31000	U	1800	31000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 004**

Lab Sample ID: 220-8823-4
Client Matrix: Solid
% Moisture: 16.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 100
Date Analyzed: 04/24/2009 1659
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10803.D
Initial Weight/Volume: 15.31 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		31000	U	2000	31000
Hexachlorobenzene		31000	U	2200	31000
Pentachlorophenol		200000	U	19000	200000
Phenanthrene		340000		1600	31000
Carbazole		31000	U	1700	31000
Anthracene		98000		1200	31000
Di-n-butyl phthalate		31000	U	4600	31000
Fluoranthene		130000		1600	31000
Pyrene		170000		1500	31000
Butyl benzyl phthalate		31000	U	1800	31000
3,3'-Dichlorobenzidine		78000	U	6500	78000
Benzo[a]anthracene		59000		1100	31000
Chrysene		55000		2300	31000
Bis(2-ethylhexyl) phthalate		31000	U	3000	31000
Di-n-octyl phthalate		31000	U	1800	31000
Benzo[b]fluoranthene		41000		840	31000
Benzo[k]fluoranthene		13000	J	2800	31000
Benzo[a]pyrene		66000		850	31000
Indeno[1,2,3-cd]pyrene		30000	J	2000	31000
Dibenz(a,h)anthracene		5700	J	2500	31000
Benzo[g,h,i]perylene		33000		2100	31000

Surrogate	%Rec		Acceptance Limits
2-Fluorophenol	69		25 - 113
Phenol-d5	62		27 - 122
Nitrobenzene-d5	76		25 - 120
2-Fluorobiphenyl	72		32 - 131
2,4,6-Tribromophenol	72		24 - 150
Terphenyl-d14	0	*	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 005**

Lab Sample ID: 220-8823-5
Client Matrix: Solid
% Moisture: 11.6
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1726
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10804.D
Initial Weight/Volume: 15.51 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		59000	U	3900	59000
Bis(2-chloroethyl)ether		59000	U	3100	59000
2-Chlorophenol		59000	U	3400	59000
1,3-Dichlorobenzene		59000	U	3000	59000
1,4-Dichlorobenzene		59000	U	3500	59000
Benzyl alcohol		59000	U	5600	59000
1,2-Dichlorobenzene		59000	U	3500	59000
2,2'-oxybis[1-chloropropane]		59000	U	3100	59000
2-Methylphenol		59000	U	3500	59000
Hexachloroethane		59000	U	3400	59000
N-Nitrosodi-n-propylamine		59000	U	4000	59000
4-Methylphenol		59000	U	3900	59000
Nitrobenzene		59000	U	3800	59000
Isophorone		59000	U	3300	59000
2-Nitrophenol		59000	U	3700	59000
2,4-Dimethylphenol		59000	U	2900	59000
Bis(2-chloroethoxy)methane		59000	U	2700	59000
2,4-Dichlorophenol		59000	U	3200	59000
1,2,4-Trichlorobenzene		59000	U	3900	59000
Naphthalene		340000		3100	59000
4-Chloroaniline		59000	U	9600	59000
Hexachlorobutadiene		59000	U	4600	59000
4-Chloro-3-methylphenol		59000	U	2400	59000
2-Methylnaphthalene		230000		1700	59000
Hexachlorocyclopentadiene		150000	U	28000	150000
2,4,6-Trichlorophenol		59000	U	1600	59000
2,4,5-Trichlorophenol		370000	U	3000	370000
2-Chloronaphthalene		59000	U	2500	59000
2-Nitroaniline		370000	U	3600	370000
Acenaphthylene		57000	J	2900	59000
Dimethyl phthalate		59000	U	3400	59000
2,6-Dinitrotoluene		59000	U	1700	59000
Acenaphthene		170000		3500	59000
3-Nitroaniline		370000	U	1900	370000
2,4-Dinitrophenol		370000	U *	18000	370000
Dibenzofuran		59000	U	4200	59000
2,4-Dinitrotoluene		59000	U	4700	59000
4-Nitrophenol		370000	U	4500	370000
Fluorene		110000		3500	59000
4-Chlorophenyl phenyl ether		59000	U	4400	59000
Diethyl phthalate		59000	U	6000	59000
4-Nitroaniline		59000	U	4500	59000
4,6-Dinitro-2-methylphenol		370000	U	25000	370000
N-Nitrosodiphenylamine		59000	U	3300	59000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 005**

Lab Sample ID: 220-8823-5
Client Matrix: Solid
% Moisture: 11.6
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1726
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10804.D
Initial Weight/Volume: 15.51 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		59000	U	3800	59000
Hexachlorobenzene		59000	U	4100	59000
Pentachlorophenol		370000	U	36000	370000
Phenanthrene		380000		2900	59000
Carbazole		59000	U	3300	59000
Anthracene		99000		2300	59000
Di-n-butyl phthalate		59000	U	8600	59000
Fluoranthene		140000		2900	59000
Pyrene		180000		2800	59000
Butyl benzyl phthalate		59000	U	3300	59000
3,3'-Dichlorobenzidine		150000	U	12000	150000
Benzo[a]anthracene		55000	J	2100	59000
Chrysene		50000	J	4400	59000
Bis(2-ethylhexyl) phthalate		59000	U	5700	59000
Di-n-octyl phthalate		59000	U	3300	59000
Benzo[b]fluoranthene		33000	J	1600	59000
Benzo[k]fluoranthene		11000	J	5300	59000
Benzo[a]pyrene		53000	J	1600	59000
Indeno[1,2,3-cd]pyrene		19000	J	3800	59000
Dibenz(a,h)anthracene		59000	U	4600	59000
Benzo[g,h,i]perylene		21000	J	3900	59000

Surrogate	%Rec		Acceptance Limits
2-Fluorophenol	51		25 - 113
Phenol-d5	64		27 - 122
Nitrobenzene-d5	86		25 - 120
2-Fluorobiphenyl	61		32 - 131
2,4,6-Tribromophenol	0	*	24 - 150
Terphenyl-d14	58		35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 006**

Lab Sample ID: 220-8823-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1753
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10805.D
Initial Weight/Volume: 15.88 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		71000	U	4700	71000
Bis(2-chloroethyl)ether		71000	U	3700	71000
2-Chlorophenol		71000	U	4100	71000
1,3-Dichlorobenzene		71000	U	3500	71000
1,4-Dichlorobenzene		71000	U	4200	71000
Benzyl alcohol		71000	U	6700	71000
1,2-Dichlorobenzene		71000	U	4200	71000
2,2'-oxybis[1-chloropropane]		71000	U	3700	71000
2-Methylphenol		71000	U	4300	71000
Hexachloroethane		71000	U	4000	71000
N-Nitrosodi-n-propylamine		71000	U	4800	71000
4-Methylphenol		71000	U	4700	71000
Nitrobenzene		71000	U	4500	71000
Isophorone		71000	U	3900	71000
2-Nitrophenol		71000	U	4500	71000
2,4-Dimethylphenol		71000	U	3400	71000
Bis(2-chloroethoxy)methane		71000	U	3300	71000
2,4-Dichlorophenol		71000	U	3800	71000
1,2,4-Trichlorobenzene		71000	U	4700	71000
Naphthalene		480000		3700	71000
4-Chloroaniline		71000	U	12000	71000
Hexachlorobutadiene		71000	U	5500	71000
4-Chloro-3-methylphenol		71000	U	2900	71000
2-Methylnaphthalene		220000		2000	71000
Hexachlorocyclopentadiene		180000	U	33000	180000
2,4,6-Trichlorophenol		71000	U	1900	71000
2,4,5-Trichlorophenol		450000	U	3600	450000
2-Chloronaphthalene		71000	U	3000	71000
2-Nitroaniline		450000	U	4300	450000
Acenaphthylene		150000		3500	71000
Dimethyl phthalate		71000	U	4100	71000
2,6-Dinitrotoluene		71000	U	2100	71000
Acenaphthene		160000		4200	71000
3-Nitroaniline		450000	U	2300	450000
2,4-Dinitrophenol		450000	U *	21000	450000
Dibenzofuran		71000	U	5000	71000
2,4-Dinitrotoluene		71000	U	5700	71000
4-Nitrophenol		450000	U	5400	450000
Fluorene		110000		4300	71000
4-Chlorophenyl phenyl ether		71000	U	5200	71000
Diethyl phthalate		71000	U	7200	71000
4-Nitroaniline		71000	U	5400	71000
4,6-Dinitro-2-methylphenol		450000	U	30000	450000
N-Nitrosodiphenylamine		71000	U	4000	71000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 006**

Lab Sample ID: 220-8823-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1753
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10805.D
Initial Weight/Volume: 15.88 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		71000	U	4600	71000
Hexachlorobenzene		71000	U	4900	71000
Pentachlorophenol		450000	U	43000	450000
Phenanthrene		340000		3500	71000
Carbazole		71000	U	3900	71000
Anthracene		150000		2800	71000
Di-n-butyl phthalate		71000	U	10000	71000
Fluoranthene		230000		3500	71000
Pyrene		340000		3300	71000
Butyl benzyl phthalate		71000	U	4000	71000
3,3'-Dichlorobenzidine		180000	U	15000	180000
Benzo[a]anthracene		130000		2500	71000
Chrysene		110000		5200	71000
Bis(2-ethylhexyl) phthalate		71000	U	6900	71000
Di-n-octyl phthalate		71000	U	4000	71000
Benzo[b]fluoranthene		99000		1900	71000
Benzo[k]fluoranthene		39000	J	6400	71000
Benzo[a]pyrene		170000		1900	71000
Indeno[1,2,3-cd]pyrene		76000		4600	71000
Dibenz(a,h)anthracene		16000	J	5600	71000
Benzo[g,h,i]perylene		81000		4600	71000

Surrogate	%Rec		Acceptance Limits
2-Fluorophenol	52		25 - 113
Phenol-d5	55		27 - 122
Nitrobenzene-d5	414	*	25 - 120
2-Fluorobiphenyl	70		32 - 131
2,4,6-Tribromophenol	0	*	24 - 150
Terphenyl-d14	0	*	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 007**

Lab Sample ID: 220-8823-7
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 50
Date Analyzed: 04/24/2009 1820
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10806.D
Initial Weight/Volume: 15.57 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		15000	U	980	15000
Bis(2-chloroethyl)ether		15000	U	770	15000
2-Chlorophenol		15000	U	860	15000
1,3-Dichlorobenzene		15000	U	740	15000
1,4-Dichlorobenzene		15000	U	880	15000
Benzyl alcohol		15000	U	1400	15000
1,2-Dichlorobenzene		15000	U	880	15000
2,2'-oxybis[1-chloropropane]		15000	U	770	15000
2-Methylphenol		15000	U	890	15000
Hexachloroethane		15000	U	840	15000
N-Nitrosodi-n-propylamine		15000	U	1000	15000
4-Methylphenol		15000	U	970	15000
Nitrobenzene		15000	U	940	15000
Isophorone		15000	U	820	15000
2-Nitrophenol		15000	U	930	15000
2,4-Dimethylphenol		15000	U	720	15000
Bis(2-chloroethoxy)methane		15000	U	690	15000
2,4-Dichlorophenol		15000	U	790	15000
1,2,4-Trichlorobenzene		15000	U	970	15000
Naphthalene		130000		770	15000
4-Chloroaniline		15000	U	2400	15000
Hexachlorobutadiene		15000	U	1100	15000
4-Chloro-3-methylphenol		15000	U	610	15000
2-Methylnaphthalene		70000		420	15000
Hexachlorocyclopentadiene		37000	U	7000	37000
2,4,6-Trichlorophenol		15000	U	410	15000
2,4,5-Trichlorophenol		93000	U	750	93000
2-Chloronaphthalene		15000	U	630	15000
2-Nitroaniline		93000	U	900	93000
Acenaphthylene		60000		720	15000
Dimethyl phthalate		15000	U	850	15000
2,6-Dinitrotoluene		15000	U	430	15000
Acenaphthene		64000		880	15000
3-Nitroaniline		93000	U	470	93000
2,4-Dinitrophenol		93000	U *	4400	93000
Dibenzofuran		5800	J	1000	15000
2,4-Dinitrotoluene		15000	U	1200	15000
4-Nitrophenol		93000	U	1100	93000
Fluorene		42000		890	15000
4-Chlorophenyl phenyl ether		15000	U	1100	15000
Diethyl phthalate		15000	U	1500	15000
4-Nitroaniline		15000	U	1100	15000
4,6-Dinitro-2-methylphenol		93000	U	6400	93000
N-Nitrosodiphenylamine		15000	U	830	15000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 007**

Lab Sample ID: 220-8823-7
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 50
Date Analyzed: 04/24/2009 1820
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10806.D
Initial Weight/Volume: 15.57 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		15000	U	950	15000
Hexachlorobenzene		15000	U	1000	15000
Pentachlorophenol		93000	U	9000	93000
Phenanthrene		130000		730	15000
Carbazole		1200	J	820	15000
Anthracene		56000		580	15000
Di-n-butyl phthalate		15000	U	2100	15000
Fluoranthene		87000		730	15000
Pyrene		150000		700	15000
Butyl benzyl phthalate		15000	U	830	15000
3,3'-Dichlorobenzidine		37000	U	3000	37000
Benzo[a]anthracene		49000		530	15000
Chrysene		48000		1100	15000
Bis(2-ethylhexyl) phthalate		15000	U	1400	15000
Di-n-octyl phthalate		15000	U	840	15000
Benzo[b]fluoranthene		44000		390	15000
Benzo[k]fluoranthene		15000		1300	15000
Benzo[a]pyrene		74000		400	15000
Indeno[1,2,3-cd]pyrene		36000		960	15000
Dibenz(a,h)anthracene		8000	J	1200	15000
Benzo[g,h,i]perylene		40000		960	15000

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	50	25 - 113
Phenol-d5	50	27 - 122
Nitrobenzene-d5	53	25 - 120
2-Fluorobiphenyl	57	32 - 131
2,4,6-Tribromophenol	62	24 - 150
Terphenyl-d14	57	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 008**

Lab Sample ID: 220-8823-8
Client Matrix: Solid
% Moisture: 12.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1847
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10807.D
Initial Weight/Volume: 15.47 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		300000	U	20000	300000
Bis(2-chloroethyl)ether		300000	U	15000	300000
2-Chlorophenol		300000	U	17000	300000
1,3-Dichlorobenzene		300000	U	15000	300000
1,4-Dichlorobenzene		300000	U	18000	300000
Benzyl alcohol		300000	U	28000	300000
1,2-Dichlorobenzene		300000	U	18000	300000
2,2'-oxybis[1-chloropropane]		300000	U	15000	300000
2-Methylphenol		300000	U	18000	300000
Hexachloroethane		300000	U	17000	300000
N-Nitrosodi-n-propylamine		300000	U	20000	300000
4-Methylphenol		300000	U	20000	300000
Nitrobenzene		300000	U	19000	300000
Isophorone		300000	U	16000	300000
2-Nitrophenol		300000	U	19000	300000
2,4-Dimethylphenol		300000	U	14000	300000
Bis(2-chloroethoxy)methane		300000	U	14000	300000
2,4-Dichlorophenol		300000	U	16000	300000
1,2,4-Trichlorobenzene		300000	U	20000	300000
Naphthalene		3600000		15000	300000
4-Chloroaniline		300000	U	48000	300000
Hexachlorobutadiene		300000	U	23000	300000
4-Chloro-3-methylphenol		300000	U	12000	300000
2-Methylnaphthalene		1900000		8500	300000
Hexachlorocyclopentadiene		740000	U	140000	740000
2,4,6-Trichlorophenol		300000	U	8200	300000
2,4,5-Trichlorophenol		1900000	U	15000	1900000
2-Chloronaphthalene		300000	U	13000	300000
2-Nitroaniline		1900000	U	18000	1900000
Acenaphthylene		340000		15000	300000
Dimethyl phthalate		300000	U	17000	300000
2,6-Dinitrotoluene		300000	U	8700	300000
Acenaphthene		890000		18000	300000
3-Nitroaniline		1900000	U	9500	1900000
2,4-Dinitrophenol		1900000	U *	89000	1900000
Dibenzofuran		300000	U	21000	300000
2,4-Dinitrotoluene		300000	U	24000	300000
4-Nitrophenol		1900000	U	22000	1900000
Fluorene		760000		18000	300000
4-Chlorophenyl phenyl ether		300000	U	22000	300000
Diethyl phthalate		300000	U	30000	300000
4-Nitroaniline		300000	U	23000	300000
4,6-Dinitro-2-methylphenol		1900000	U	130000	1900000
N-Nitrosodiphenylamine		300000	U	17000	300000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 008**

Lab Sample ID: 220-8823-8
Client Matrix: Solid
% Moisture: 12.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1847
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10807.D
Initial Weight/Volume: 15.47 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		300000	U	19000	300000
Hexachlorobenzene		300000	U	21000	300000
Pentachlorophenol		1900000	U	180000	1900000
Phenanthrene		2500000		15000	300000
Carbazole		300000	U	17000	300000
Anthracene		600000		12000	300000
Di-n-butyl phthalate		300000	U	43000	300000
Fluoranthene		1000000		15000	300000
Pyrene		1300000		14000	300000
Butyl benzyl phthalate		300000	U	17000	300000
3,3'-Dichlorobenzidine		740000	U	61000	740000
Benzo[a]anthracene		360000		11000	300000
Chrysene		350000		22000	300000
Bis(2-ethylhexyl) phthalate		300000	U	29000	300000
Di-n-octyl phthalate		300000	U	17000	300000
Benzo[b]fluoranthene		220000	J	7900	300000
Benzo[k]fluoranthene		86000	J	27000	300000
Benzo[a]pyrene		250000	J	8000	300000
Indeno[1,2,3-cd]pyrene		150000	J	19000	300000
Dibenz(a,h)anthracene		31000	J	23000	300000
Benzo[g,h,i]perylene		170000	J	19000	300000

Surrogate	%Rec		Acceptance Limits
2-Fluorophenol	0	*	25 - 113
Phenol-d5	160	*	27 - 122
Nitrobenzene-d5	0	*	25 - 120
2-Fluorobiphenyl	0	*	32 - 131
2,4,6-Tribromophenol	0	*	24 - 150
Terphenyl-d14	0	*	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 009**

Lab Sample ID: 220-8823-9
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1913
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10808.D
Initial Weight/Volume: 15.16 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		310000	U	21000	310000
Bis(2-chloroethyl)ether		310000	U	16000	310000
2-Chlorophenol		310000	U	18000	310000
1,3-Dichlorobenzene		310000	U	16000	310000
1,4-Dichlorobenzene		310000	U	19000	310000
Benzyl alcohol		310000	U	30000	310000
1,2-Dichlorobenzene		310000	U	19000	310000
2,2'-oxybis[1-chloropropane]		310000	U	16000	310000
2-Methylphenol		310000	U	19000	310000
Hexachloroethane		310000	U	18000	310000
N-Nitrosodi-n-propylamine		310000	U	21000	310000
4-Methylphenol		310000	U	21000	310000
Nitrobenzene		310000	U	20000	310000
Isophorone		310000	U	17000	310000
2-Nitrophenol		310000	U	20000	310000
2,4-Dimethylphenol		310000	U	15000	310000
Bis(2-chloroethoxy)methane		310000	U	15000	310000
2,4-Dichlorophenol		310000	U	17000	310000
1,2,4-Trichlorobenzene		310000	U	21000	310000
Naphthalene		3900000		16000	310000
4-Chloroaniline		310000	U	51000	310000
Hexachlorobutadiene		310000	U	24000	310000
4-Chloro-3-methylphenol		310000	U	13000	310000
2-Methylnaphthalene		2500000		8900	310000
Hexachlorocyclopentadiene		780000	U	150000	780000
2,4,6-Trichlorophenol		310000	U	8600	310000
2,4,5-Trichlorophenol		2000000	U	16000	2000000
2-Chloronaphthalene		310000	U	13000	310000
2-Nitroaniline		2000000	U	19000	2000000
Acenaphthylene		440000		15000	310000
Dimethyl phthalate		310000	U	18000	310000
2,6-Dinitrotoluene		310000	U	9200	310000
Acenaphthene		1200000		19000	310000
3-Nitroaniline		2000000	U	10000	2000000
2,4-Dinitrophenol		2000000	U *	94000	2000000
Dibenzofuran		310000	U	22000	310000
2,4-Dinitrotoluene		310000	U	25000	310000
4-Nitrophenol		2000000	U	24000	2000000
Fluorene		1100000		19000	310000
4-Chlorophenyl phenyl ether		310000	U	23000	310000
Diethyl phthalate		310000	U	32000	310000
4-Nitroaniline		310000	U	24000	310000
4,6-Dinitro-2-methylphenol		2000000	U	130000	2000000
N-Nitrosodiphenylamine		310000	U	18000	310000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 009**

Lab Sample ID: 220-8823-9
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 200
Date Analyzed: 04/24/2009 1913
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10808.D
Initial Weight/Volume: 15.16 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		310000	U	20000	310000
Hexachlorobenzene		310000	U	22000	310000
Pentachlorophenol		2000000	U	190000	2000000
Phenanthrene		3600000		15000	310000
Carbazole		310000	U	17000	310000
Anthracene		770000		12000	310000
Di-n-butyl phthalate		310000	U	46000	310000
Fluoranthene		1400000		16000	310000
Pyrene		1800000		15000	310000
Butyl benzyl phthalate		310000	U	18000	310000
3,3'-Dichlorobenzidine		780000	U	64000	780000
Benzo[a]anthracene		500000		11000	310000
Chrysene		490000		23000	310000
Bis(2-ethylhexyl) phthalate		310000	U	30000	310000
Di-n-octyl phthalate		310000	U	18000	310000
Benzo[b]fluoranthene		310000	J	8400	310000
Benzo[k]fluoranthene		100000	J	28000	310000
Benzo[a]pyrene		390000		8500	310000
Indeno[1,2,3-cd]pyrene		200000	J	20000	310000
Dibenz(a,h)anthracene		37000	J	25000	310000
Benzo[g,h,i]perylene		230000	J	20000	310000

Surrogate	%Rec		Acceptance Limits
2-Fluorophenol	0	*	25 - 113
Phenol-d5	125	*	27 - 122
Nitrobenzene-d5	0	*	25 - 120
2-Fluorobiphenyl	0	*	32 - 131
2,4,6-Tribromophenol	0	*	24 - 150
Terphenyl-d14	80		35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 010**

Lab Sample ID: 220-8823-10
Client Matrix: Solid
% Moisture: 16.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 400
Date Analyzed: 04/24/2009 1940
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10809.D
Initial Weight/Volume: 15.01 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		640000	U	43000	640000
Bis(2-chloroethyl)ether		640000	U	33000	640000
2-Chlorophenol		640000	U	37000	640000
1,3-Dichlorobenzene		640000	U	32000	640000
1,4-Dichlorobenzene		640000	U	38000	640000
Benzyl alcohol		640000	U	61000	640000
1,2-Dichlorobenzene		640000	U	38000	640000
2,2'-oxybis[1-chloropropane]		640000	U	33000	640000
2-Methylphenol		640000	U	39000	640000
Hexachloroethane		640000	U	37000	640000
N-Nitrosodi-n-propylamine		640000	U	43000	640000
4-Methylphenol		640000	U	42000	640000
Nitrobenzene		640000	U	41000	640000
Isophorone		640000	U	36000	640000
2-Nitrophenol		640000	U	41000	640000
2,4-Dimethylphenol		640000	U	31000	640000
Bis(2-chloroethoxy)methane		640000	U	30000	640000
2,4-Dichlorophenol		640000	U	34000	640000
1,2,4-Trichlorobenzene		640000	U	42000	640000
Naphthalene		5100000		33000	640000
4-Chloroaniline		640000	U	100000	640000
Hexachlorobutadiene		640000	U	50000	640000
4-Chloro-3-methylphenol		640000	U	26000	640000
2-Methylnaphthalene		3100000		18000	640000
Hexachlorocyclopentadiene		1600000	U	300000	1600000
2,4,6-Trichlorophenol		640000	U	18000	640000
2,4,5-Trichlorophenol		4100000	U	32000	4100000
2-Chloronaphthalene		640000	U	27000	640000
2-Nitroaniline		4100000	U	39000	4100000
Acenaphthylene		560000	J	31000	640000
Dimethyl phthalate		640000	U	37000	640000
2,6-Dinitrotoluene		640000	U	19000	640000
Acenaphthene		1300000		38000	640000
3-Nitroaniline		4100000	U	20000	4100000
2,4-Dinitrophenol		4100000	U *	190000	4100000
Dibenzofuran		640000	U	45000	640000
2,4-Dinitrotoluene		640000	U	51000	640000
4-Nitrophenol		4100000	U	49000	4100000
Fluorene		1400000		39000	640000
4-Chlorophenyl phenyl ether		640000	U	47000	640000
Diethyl phthalate		640000	U	65000	640000
4-Nitroaniline		640000	U	49000	640000
4,6-Dinitro-2-methylphenol		4100000	U	280000	4100000
N-Nitrosodiphenylamine		640000	U	36000	640000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 010**

Lab Sample ID: 220-8823-10
Client Matrix: Solid
% Moisture: 16.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 400
Date Analyzed: 04/24/2009 1940
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10809.D
Initial Weight/Volume: 15.01 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		640000	U	41000	640000
Hexachlorobenzene		640000	U	45000	640000
Pentachlorophenol		4100000	U	390000	4100000
Phenanthrene		4800000		32000	640000
Carbazole		640000	U	36000	640000
Anthracene		970000		25000	640000
Di-n-butyl phthalate		640000	U	93000	640000
Fluoranthene		1900000		32000	640000
Pyrene		2300000		30000	640000
Butyl benzyl phthalate		640000	U	36000	640000
3,3'-Dichlorobenzidine		1600000	U	130000	1600000
Benzo[a]anthracene		640000		23000	640000
Chrysene		650000		47000	640000
Bis(2-ethylhexyl) phthalate		640000	U	62000	640000
Di-n-octyl phthalate		640000	U	36000	640000
Benzo[b]fluoranthene		400000	J	17000	640000
Benzo[k]fluoranthene		150000	J	58000	640000
Benzo[a]pyrene		430000	J	17000	640000
Indeno[1,2,3-cd]pyrene		240000	J	42000	640000
Dibenz(a,h)anthracene		640000	U	51000	640000
Benzo[g,h,i]perylene		280000	J	42000	640000

Surrogate	%Rec		Acceptance Limits
2-Fluorophenol	0	*	25 - 113
Phenol-d5	0	*	27 - 122
Nitrobenzene-d5	0	*	25 - 120
2-Fluorobiphenyl	0	*	32 - 131
2,4,6-Tribromophenol	0	*	24 - 150
Terphenyl-d14	0	*	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 011**

Lab Sample ID: 220-8823-11
Client Matrix: Solid
% Moisture: 39.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 2.0
Date Analyzed: 04/24/2009 2007
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10810.D
Initial Weight/Volume: 15.17 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		880	U	59	880
Bis(2-chloroethyl)ether		880	U	46	880
2-Chlorophenol		880	U	51	880
1,3-Dichlorobenzene		880	U	44	880
1,4-Dichlorobenzene		880	U	52	880
Benzyl alcohol		880	U	83	880
1,2-Dichlorobenzene		880	U	52	880
2,2'-oxybis[1-chloropropane]		880	U	46	880
2-Methylphenol		880	U	53	880
Hexachloroethane		880	U	50	880
N-Nitrosodi-n-propylamine		880	U	60	880
4-Methylphenol		290	J	58	880
Nitrobenzene		880	U	56	880
Isophorone		880	U	49	880
2-Nitrophenol		880	U	56	880
2,4-Dimethylphenol		880	U	43	880
Bis(2-chloroethoxy)methane		880	U	41	880
2,4-Dichlorophenol		880	U	47	880
1,2,4-Trichlorobenzene		880	U	58	880
Naphthalene		1500		46	880
4-Chloroaniline		880	U	140	880
Hexachlorobutadiene		880	U	68	880
4-Chloro-3-methylphenol		880	U	36	880
2-Methylnaphthalene		470	J	25	880
Hexachlorocyclopentadiene		2200	U	420	2200
2,4,6-Trichlorophenol		880	U	24	880
2,4,5-Trichlorophenol		5600	U	44	5600
2-Chloronaphthalene		880	U	38	880
2-Nitroaniline		5600	U	54	5600
Acenaphthylene		290	J	43	880
Dimethyl phthalate		880	U	51	880
2,6-Dinitrotoluene		880	U	26	880
Acenaphthene		120	J	52	880
3-Nitroaniline		5600	U	28	5600
2,4-Dinitrophenol		5600	U *	260	5600
Dibenzofuran		91	J	62	880
2,4-Dinitrotoluene		880	U	70	880
4-Nitrophenol		5600	U	67	5600
Fluorene		210	J	53	880
4-Chlorophenyl phenyl ether		880	U	65	880
Diethyl phthalate		880	U	89	880
4-Nitroaniline		880	U	68	880
4,6-Dinitro-2-methylphenol		5600	U	380	5600
N-Nitrosodiphenylamine		880	U	50	880

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 011**

Lab Sample ID: 220-8823-11
Client Matrix: Solid
% Moisture: 39.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 2.0
Date Analyzed: 04/24/2009 2007
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10810.D
Initial Weight/Volume: 15.17 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		880	U	57	880
Hexachlorobenzene		880	U	61	880
Pentachlorophenol		5600	U	540	5600
Phenanthrene		1000		44	880
Carbazole		130	J	49	880
Anthracene		370	J	34	880
Di-n-butyl phthalate		880	U	130	880
Fluoranthene		1600		44	880
Pyrene		1300		42	880
Butyl benzyl phthalate		880	U	49	880
3,3'-Dichlorobenzidine		2200	U	180	2200
Benzo[a]anthracene		760	J	31	880
Chrysene		840	J	65	880
Bis(2-ethylhexyl) phthalate		880	U	85	880
Di-n-octyl phthalate		880	U	50	880
Benzo[b]fluoranthene		780	J	24	880
Benzo[k]fluoranthene		290	J	79	880
Benzo[a]pyrene		710	J	24	880
Indeno[1,2,3-cd]pyrene		600	J	57	880
Dibenz(a,h)anthracene		140	J	69	880
Benzo[g,h,i]perylene		550	J	58	880

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	53	25 - 113
Phenol-d5	53	27 - 122
Nitrobenzene-d5	53	25 - 120
2-Fluorobiphenyl	55	32 - 131
2,4,6-Tribromophenol	59	24 - 150
Terphenyl-d14	53	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 012**

Lab Sample ID: 220-8823-12
Client Matrix: Solid
% Moisture: 16.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 20
Date Analyzed: 04/24/2009 0001
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26602
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: A4909.D
Initial Weight/Volume: 15.54 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		6200	U	410	6200
Bis(2-chloroethyl)ether		6200	U	320	6200
2-Chlorophenol		6200	U	360	6200
1,3-Dichlorobenzene		6200	U	310	6200
1,4-Dichlorobenzene		6200	U	370	6200
Benzyl alcohol		6200	U	590	6200
1,2-Dichlorobenzene		6200	U	370	6200
2,2'-oxybis[1-chloropropane]		6200	U	320	6200
2-Methylphenol		6200	U	370	6200
Hexachloroethane		6200	U	360	6200
N-Nitrosodi-n-propylamine		6200	U	420	6200
4-Methylphenol		6200	U	410	6200
Nitrobenzene		6200	U	400	6200
Isophorone		6200	U	340	6200
2-Nitrophenol		6200	U	390	6200
2,4-Dimethylphenol		6200	U	300	6200
Bis(2-chloroethoxy)methane		6200	U	290	6200
2,4-Dichlorophenol		6200	U	330	6200
1,2,4-Trichlorobenzene		6200	U	410	6200
Naphthalene		96000		320	6200
4-Chloroaniline		6200	U	1000	6200
Hexachlorobutadiene		6200	U	480	6200
4-Chloro-3-methylphenol		6200	U	260	6200
2-Methylnaphthalene		72000		180	6200
Hexachlorocyclopentadiene		15000	U	2900	15000
2,4,6-Trichlorophenol		6200	U	170	6200
2,4,5-Trichlorophenol		39000	U	310	39000
2-Chloronaphthalene		6200	U	270	6200
2-Nitroaniline		39000	U	380	39000
Acenaphthylene		18000		300	6200
Dimethyl phthalate		6200	U	360	6200
2,6-Dinitrotoluene		6200	U	180	6200
Acenaphthene		18000		370	6200
3-Nitroaniline		39000	U	200	39000
2,4-Dinitrophenol		39000	U *	1900	39000
Dibenzofuran		2100	J	440	6200
2,4-Dinitrotoluene		6200	U	500	6200
4-Nitrophenol		39000	U	470	39000
Fluorene		16000		370	6200
4-Chlorophenyl phenyl ether		6200	U	460	6200
Diethyl phthalate		6200	U	630	6200
4-Nitroaniline		6200	U	480	6200
4,6-Dinitro-2-methylphenol		39000	U	2700	39000
N-Nitrosodiphenylamine		6200	U	350	6200

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 012**

Lab Sample ID: 220-8823-12
Client Matrix: Solid
% Moisture: 16.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 20
Date Analyzed: 04/24/2009 0001
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26602
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: A4909.D
Initial Weight/Volume: 15.54 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		6200	U	400	6200
Hexachlorobenzene		6200	U	430	6200
Pentachlorophenol		39000	U	3800	39000
Phenanthrene		52000		310	6200
Carbazole		6200	U	350	6200
Anthracene		15000		240	6200
Di-n-butyl phthalate		6200	U	910	6200
Fluoranthene		24000		310	6200
Pyrene		30000		290	6200
Butyl benzyl phthalate		6200	U	350	6200
3,3'-Dichlorobenzidine		15000	U	1300	15000
Benzo[a]anthracene		9900		220	6200
Chrysene		9400		460	6200
Bis(2-ethylhexyl) phthalate		6200	U	600	6200
Di-n-octyl phthalate		6200	U	350	6200
Benzo[b]fluoranthene		7200		170	6200
Benzo[k]fluoranthene		2500	J	560	6200
Benzo[a]pyrene		8200		170	6200
Indeno[1,2,3-cd]pyrene		8100		400	6200
Dibenz(a,h)anthracene		5200	J	490	6200
Benzo[g,h,i]perylene		8800		410	6200

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	63	25 - 113
Phenol-d5	72	27 - 122
Nitrobenzene-d5	70	25 - 120
2-Fluorobiphenyl	79	32 - 131
2,4,6-Tribromophenol	80	24 - 150
Terphenyl-d14	79	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 013**

Lab Sample ID: 220-8823-13
Client Matrix: Solid
% Moisture: 49.8
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 20
Date Analyzed: 04/24/2009 0027
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26602
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: A4910.D
Initial Weight/Volume: 15.28 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		53000	U	3500	53000
Bis(2-chloroethyl)ether		53000	U	2700	53000
2-Chlorophenol		53000	U	3100	53000
1,3-Dichlorobenzene		53000	U	2600	53000
1,4-Dichlorobenzene		53000	U	3100	53000
Benzyl alcohol		53000	U	5000	53000
1,2-Dichlorobenzene		53000	U	3100	53000
2,2'-oxybis[1-chloropropane]		53000	U	2700	53000
2-Methylphenol		53000	U	3200	53000
Hexachloroethane		53000	U	3000	53000
N-Nitrosodi-n-propylamine		53000	U	3600	53000
4-Methylphenol		53000	U	3500	53000
Nitrobenzene		53000	U	3400	53000
Isophorone		53000	U	2900	53000
2-Nitrophenol		53000	U	3300	53000
2,4-Dimethylphenol		53000	U	2600	53000
Bis(2-chloroethoxy)methane		53000	U	2400	53000
2,4-Dichlorophenol		53000	U	2800	53000
1,2,4-Trichlorobenzene		53000	U	3500	53000
Naphthalene		11000	J	2700	53000
4-Chloroaniline		53000	U	8600	53000
Hexachlorobutadiene		53000	U	4100	53000
4-Chloro-3-methylphenol		53000	U	2200	53000
2-Methylnaphthalene		14000	J	1500	53000
Hexachlorocyclopentadiene		130000	U	25000	130000
2,4,6-Trichlorophenol		53000	U	1400	53000
2,4,5-Trichlorophenol		330000	U	2700	330000
2-Chloronaphthalene		53000	U	2300	53000
2-Nitroaniline		330000	U	3200	330000
Acenaphthylene		210000		2600	53000
Dimethyl phthalate		53000	U	3000	53000
2,6-Dinitrotoluene		53000	U	1500	53000
Acenaphthene		5000	J	3100	53000
3-Nitroaniline		330000	U	1700	330000
2,4-Dinitrophenol		330000	U *	16000	330000
Dibenzofuran		53000	U	3700	53000
2,4-Dinitrotoluene		53000	U	4200	53000
4-Nitrophenol		330000	U	4000	330000
Fluorene		53000	U	3200	53000
4-Chlorophenyl phenyl ether		53000	U	3900	53000
Diethyl phthalate		53000	U	5300	53000
4-Nitroaniline		53000	U	4100	53000
4,6-Dinitro-2-methylphenol		330000	U	23000	330000
N-Nitrosodiphenylamine		53000	U	3000	53000

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 013**

Lab Sample ID: 220-8823-13
Client Matrix: Solid
% Moisture: 49.8
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 20
Date Analyzed: 04/24/2009 0027
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26602
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: A4910.D
Initial Weight/Volume: 15.28 g
Final Weight/Volume: 5 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		53000	U	3400	53000
Hexachlorobenzene		53000	U	3700	53000
Pentachlorophenol		330000	U	32000	330000
Phenanthrene		16000	J	2600	53000
Carbazole		53000	U	2900	53000
Anthracene		33000	J	2100	53000
Di-n-butyl phthalate		53000	U	7700	53000
Fluoranthene		16000	J	2600	53000
Pyrene		35000	J	2500	53000
Butyl benzyl phthalate		53000	U	3000	53000
3,3'-Dichlorobenzidine		130000	U	11000	130000
Benzo[a]anthracene		31000	J	1900	53000
Chrysene		42000	J	3900	53000
Bis(2-ethylhexyl) phthalate		53000	U	5100	53000
Di-n-octyl phthalate		53000	U	3000	53000
Benzo[b]fluoranthene		65000		1400	53000
Benzo[k]fluoranthene		21000	J	4700	53000
Benzo[a]pyrene		21000	J	1400	53000
Indeno[1,2,3-cd]pyrene		77000		3400	53000
Dibenz(a,h)anthracene		46000	J	4100	53000
Benzo[g,h,i]perylene		84000		3400	53000

Surrogate	%Rec		Acceptance Limits
2-Fluorophenol	64		25 - 113
Phenol-d5	0	*	27 - 122
Nitrobenzene-d5	64		25 - 120
2-Fluorobiphenyl	75		32 - 131
2,4,6-Tribromophenol	70		24 - 150
Terphenyl-d14	0	*	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 014**

Lab Sample ID: 220-8823-14
Client Matrix: Solid
% Moisture: 20.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 2.0
Date Analyzed: 04/24/2009 2034
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10811.D
Initial Weight/Volume: 15.75 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		650	U	43	650
Bis(2-chloroethyl)ether		650	U	34	650
2-Chlorophenol		650	U	38	650
1,3-Dichlorobenzene		650	U	32	650
1,4-Dichlorobenzene		650	U	38	650
Benzyl alcohol		650	U	61	650
1,2-Dichlorobenzene		650	U	38	650
2,2'-oxybis[1-chloropropane]		650	U	34	650
2-Methylphenol		650	U	39	650
Hexachloroethane		650	U	37	650
N-Nitrosodi-n-propylamine		650	U	44	650
4-Methylphenol		650	U	42	650
Nitrobenzene		650	U	41	650
Isophorone		650	U	36	650
2-Nitrophenol		650	U	41	650
2,4-Dimethylphenol		650	U	31	650
Bis(2-chloroethoxy)methane		650	U	30	650
2,4-Dichlorophenol		650	U	35	650
1,2,4-Trichlorobenzene		650	U	42	650
Naphthalene		340	J	34	650
4-Chloroaniline		650	U	110	650
Hexachlorobutadiene		650	U	50	650
4-Chloro-3-methylphenol		650	U	27	650
2-Methylnaphthalene		200	J	18	650
Hexachlorocyclopentadiene		1600	U	300	1600
2,4,6-Trichlorophenol		650	U	18	650
2,4,5-Trichlorophenol		4100	U	33	4100
2-Chloronaphthalene		650	U	28	650
2-Nitroaniline		4100	U	39	4100
Acenaphthylene		1200		32	650
Dimethyl phthalate		650	U	37	650
2,6-Dinitrotoluene		650	U	19	650
Acenaphthene		89	J	38	650
3-Nitroaniline		4100	U	21	4100
2,4-Dinitrophenol		4100	U *	190	4100
Dibenzofuran		650	U	46	650
2,4-Dinitrotoluene		650	U	52	650
4-Nitrophenol		4100	U	49	4100
Fluorene		650	U	39	650
4-Chlorophenyl phenyl ether		650	U	48	650
Diethyl phthalate		650	U	65	650
4-Nitroaniline		650	U	50	650
4,6-Dinitro-2-methylphenol		4100	U	280	4100
N-Nitrosodiphenylamine		650	U	36	650

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 014**

Lab Sample ID: 220-8823-14
Client Matrix: Solid
% Moisture: 20.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 2.0
Date Analyzed: 04/24/2009 2034
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10811.D
Initial Weight/Volume: 15.75 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		650	U	42	650
Hexachlorobenzene		650	U	45	650
Pentachlorophenol		4100	U	390	4100
Phenanthrene		250	J	32	650
Carbazole		650	U	36	650
Anthracene		300	J	25	650
Di-n-butyl phthalate		650	U	94	650
Fluoranthene		300	J	32	650
Pyrene		420	J	30	650
Butyl benzyl phthalate		650	U	36	650
3,3'-Dichlorobenzidine		1600	U	130	1600
Benzo[a]anthracene		220	J	23	650
Chrysene		290	J	48	650
Bis(2-ethylhexyl) phthalate		650	U	63	650
Di-n-octyl phthalate		650	U	37	650
Benzo[b]fluoranthene		380	J	17	650
Benzo[k]fluoranthene		130	J	58	650
Benzo[a]pyrene		260	J	17	650
Indeno[1,2,3-cd]pyrene		360	J	42	650
Dibenz(a,h)anthracene		74	J	51	650
Benzo[g,h,i]perylene		400	J	42	650

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	61	25 - 113
Phenol-d5	61	27 - 122
Nitrobenzene-d5	63	25 - 120
2-Fluorobiphenyl	64	32 - 131
2,4,6-Tribromophenol	70	24 - 150
Terphenyl-d14	61	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 015**

Lab Sample ID: 220-8823-15
Client Matrix: Solid
% Moisture: 26.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 2.0
Date Analyzed: 04/24/2009 2100
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10812.D
Initial Weight/Volume: 15.12 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		50	J	48	730
Bis(2-chloroethyl)ether		730	U	38	730
2-Chlorophenol		730	U	42	730
1,3-Dichlorobenzene		730	U	36	730
1,4-Dichlorobenzene		730	U	43	730
Benzyl alcohol		730	U	69	730
1,2-Dichlorobenzene		730	U	43	730
2,2'-oxybis[1-chloropropane]		730	U	38	730
2-Methylphenol		730	U	44	730
Hexachloroethane		730	U	41	730
N-Nitrosodi-n-propylamine		730	U	49	730
4-Methylphenol		180	J	48	730
Nitrobenzene		730	U	46	730
Isophorone		730	U	40	730
2-Nitrophenol		730	U	46	730
2,4-Dimethylphenol		730	U	35	730
Bis(2-chloroethoxy)methane		730	U	34	730
2,4-Dichlorophenol		730	U	39	730
1,2,4-Trichlorobenzene		730	U	48	730
Naphthalene		4500		38	730
4-Chloroaniline		730	U	120	730
Hexachlorobutadiene		730	U	56	730
4-Chloro-3-methylphenol		730	U	30	730
2-Methylnaphthalene		2300		21	730
Hexachlorocyclopentadiene		1800	U	340	1800
2,4,6-Trichlorophenol		730	U	20	730
2,4,5-Trichlorophenol		4600	U	37	4600
2-Chloronaphthalene		730	U	31	730
2-Nitroaniline		4600	U	44	4600
Acenaphthylene		1500		36	730
Dimethyl phthalate		730	U	42	730
2,6-Dinitrotoluene		730	U	21	730
Acenaphthene		810		43	730
3-Nitroaniline		4600	U	23	4600
2,4-Dinitrophenol		4600	U *	220	4600
Dibenzofuran		730	U	51	730
2,4-Dinitrotoluene		730	U	58	730
4-Nitrophenol		4600	U	55	4600
Fluorene		680	J	44	730
4-Chlorophenyl phenyl ether		730	U	54	730
Diethyl phthalate		730	U	73	730
4-Nitroaniline		730	U	56	730
4,6-Dinitro-2-methylphenol		4600	U	310	4600
N-Nitrosodiphenylamine		730	U	41	730

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 015**

Lab Sample ID: 220-8823-15
Client Matrix: Solid
% Moisture: 26.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 2.0
Date Analyzed: 04/24/2009 2100
Date Prepared: 04/20/2009 0837
Analysis Batch: 220-26589
Prep Batch: 220-26356
Instrument ID: HP 6890/5975
Lab File ID: C10812.D
Initial Weight/Volume: 15.12 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Bromophenyl phenyl ether		730	U	47	730
Hexachlorobenzene		730	U	50	730
Pentachlorophenol		4600	U	440	4600
Phenanthrene		3200		36	730
Carbazole		150	J	40	730
Anthracene		1000		28	730
Di-n-butyl phthalate		730	U	110	730
Fluoranthene		2900		36	730
Pyrene		2500		34	730
Butyl benzyl phthalate		730	U	41	730
3,3'-Dichlorobenzidine		1800	U	150	1800
Benzo[a]anthracene		1400		26	730
Chrysene		1600		54	730
Bis(2-ethylhexyl) phthalate		730	U	70	730
Di-n-octyl phthalate		730	U	41	730
Benzo[b]fluoranthene		1600		19	730
Benzo[k]fluoranthene		600	J	65	730
Benzo[a]pyrene		1400		20	730
Indeno[1,2,3-cd]pyrene		870		47	730
Dibenz(a,h)anthracene		240	J	57	730
Benzo[g,h,i]perylene		770		47	730

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	52	25 - 113
Phenol-d5	54	27 - 122
Nitrobenzene-d5	52	25 - 120
2-Fluorobiphenyl	54	32 - 131
2,4,6-Tribromophenol	62	24 - 150
Terphenyl-d14	51	35 - 140

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 001**

Lab Sample ID: 220-8823-1
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 200
Date Analyzed: 04/23/2009 2020
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26576
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556086.d
Initial Weight/Volume: 30.29 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		16000000		3800000	3800000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 002**

Lab Sample ID: 220-8823-2
Client Matrix: Solid
% Moisture: 19.4
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 200
Date Analyzed: 04/23/2009 2046
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26576
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556087.d
Initial Weight/Volume: 30.52 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		12000000		4100000	4100000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 003**

Lab Sample ID: 220-8823-3
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 200
Date Analyzed: 04/23/2009 2113
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26576
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556088.d
Initial Weight/Volume: 30.63 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		13000000		4000000	4000000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 004**

Lab Sample ID: 220-8823-4
Client Matrix: Solid
% Moisture: 16.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 200
Date Analyzed: 04/23/2009 2140
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26576
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556089.d
Initial Weight/Volume: 30.78 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		9400000		3900000	3900000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 005**

Lab Sample ID: 220-8823-5
Client Matrix: Solid
% Moisture: 11.6
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 200
Date Analyzed: 04/23/2009 2207
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26576
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556090.d
Initial Weight/Volume: 30.40 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		9300000		3800000	3800000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 006**

Lab Sample ID: 220-8823-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 200
Date Analyzed: 04/23/2009 2233
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26576
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556091.d
Initial Weight/Volume: 30.30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		20000000		4700000	4700000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 007**

Lab Sample ID: 220-8823-7
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 200
Date Analyzed: 04/23/2009 2300
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26576
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556092.d
Initial Weight/Volume: 30.55 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		11000000		3800000	3800000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 008**

Lab Sample ID: 220-8823-8
Client Matrix: Solid
% Moisture: 12.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 100
Date Analyzed: 04/22/2009 0156
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26575
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556049.d
Initial Weight/Volume: 30.29 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		89000000	E	3800000	3800000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 009**

Lab Sample ID: 220-8823-9
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 100
Date Analyzed: 04/22/2009 0223
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26575
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556050.d
Initial Weight/Volume: 30.40 g
Final Weight/Volume: 2 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		110000000	E	3900000	3900000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 010**

Lab Sample ID: 220-8823-10
Client Matrix: Solid
% Moisture: 16.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 10
Date Analyzed: 04/22/2009 0504
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26575
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556055.d
Initial Weight/Volume: 30.31 g
Final Weight/Volume: 3 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		85000000	E	600000	600000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	4910	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 011**

Lab Sample ID: 220-8823-11
Client Matrix: Solid
% Moisture: 39.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 04/22/2009 0531
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26575
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556056.d
Initial Weight/Volume: 30.22 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		540000		140000	140000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	128	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 012**

Lab Sample ID: 220-8823-12
Client Matrix: Solid
% Moisture: 16.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 04/22/2009 0558
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26575
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556057.d
Initial Weight/Volume: 30.60 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		570000		100000	100000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	155	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 013**

Lab Sample ID: 220-8823-13
Client Matrix: Solid
% Moisture: 49.8
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 100
Date Analyzed: 04/22/2009 0625
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26575
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556058.d
Initial Weight/Volume: 30.68 g
Final Weight/Volume: 3 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		31000000		9900000	9900000

Surrogate	%Rec		Acceptance Limits
o-Terphenyl	0	*	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 014**

Lab Sample ID: 220-8823-14
Client Matrix: Solid
% Moisture: 20.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 04/22/2009 0651
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26575
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556059.d
Initial Weight/Volume: 30.22 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		110000	U	110000	110000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	82	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 015**

Lab Sample ID: 220-8823-15
Client Matrix: Solid
% Moisture: 26.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8015B Diesel Range Organics (DRO) (GC)

Method: 8015B
Preparation: 3550B
Dilution: 5.0
Date Analyzed: 04/22/2009 0718
Date Prepared: 04/18/2009 1059
Analysis Batch: 220-26575
Prep Batch: 220-26350
Instrument ID: HP5890 with FID/NPD
Lab File ID: C2556060.d
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL	RL
Diesel Range Organics [C10-C28]		350000		110000	110000

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	112	28 - 146

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 001**

Lab Sample ID: 220-8823-1
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1509
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042651.D
Initial Weight/Volume: 30.48 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	19	U	1.5	19
PCB-1221	19	U	1.5	19
PCB-1232	19	U	1.5	19
PCB-1242	19	U	1.5	19
PCB-1248	19	U	1.5	19
PCB-1254	19	U	1.6	19
PCB-1260	19	U	1.6	19

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	206	*	24 - 154
DCB Decachlorobiphenyl	425	*	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 002**

Lab Sample ID: 220-8823-2
Client Matrix: Solid
% Moisture: 19.4
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1528
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042652.D
Initial Weight/Volume: 30.31 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		21	U	1.6	21
PCB-1221		21	U	1.6	21
PCB-1232		21	U	1.6	21
PCB-1242		21	U	1.6	21
PCB-1248		21	U	1.6	21
PCB-1254		21	U	1.8	21
PCB-1260		21	U	1.8	21

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	136		24 - 154
DCB Decachlorobiphenyl	338	*	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 003**

Lab Sample ID: 220-8823-3
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1547
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042653.D
Initial Weight/Volume: 30.14 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	20	U	1.6	20
PCB-1221	20	U	1.6	20
PCB-1232	20	U	1.6	20
PCB-1242	20	U	1.6	20
PCB-1248	20	U	1.6	20
PCB-1254	20	U	1.7	20
PCB-1260	20	U	1.7	20

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	138		24 - 154
DCB Decachlorobiphenyl	794	*	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 004**

Lab Sample ID: 220-8823-4
Client Matrix: Solid
% Moisture: 16.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1606
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042654.D
Initial Weight/Volume: 30.62 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		20	U	1.5	20
PCB-1221		20	U	1.5	20
PCB-1232		20	U	1.5	20
PCB-1242		20	U	1.5	20
PCB-1248		20	U	1.5	20
PCB-1254		20	U	1.7	20
PCB-1260		20	U	1.7	20

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	109		24 - 154
DCB Decachlorobiphenyl	768	*	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 005**

Lab Sample ID: 220-8823-5
Client Matrix: Solid
% Moisture: 11.6
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1625
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042655.D
Initial Weight/Volume: 30.33 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	19	U	1.5	19
PCB-1221	19	U	1.5	19
PCB-1232	19	U	1.5	19
PCB-1242	19	U	1.5	19
PCB-1248	19	U	1.5	19
PCB-1254	19	U	1.6	19
PCB-1260	19	U	1.6	19

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	98		24 - 154
DCB Decachlorobiphenyl	517	*	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 006**

Lab Sample ID: 220-8823-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1644
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042656.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		24	U	1.8	24
PCB-1221		24	U	1.8	24
PCB-1232		24	U	1.8	24
PCB-1242		24	U	1.8	24
PCB-1248		24	U	1.8	24
PCB-1254		24	U	2.0	24
PCB-1260		24	U	2.0	24

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	40		24 - 154
DCB Decachlorobiphenyl	791	*	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 007**

Lab Sample ID: 220-8823-7
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/24/2009 1512
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26610
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042751.D
Initial Weight/Volume: 30.23 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		19	U	1.5	19
PCB-1221		19	U	1.5	19
PCB-1232		19	U	1.5	19
PCB-1242		19	U	1.5	19
PCB-1248		19	U	1.5	19
PCB-1254		19	U	1.6	19
PCB-1260		19	U	1.6	19

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	18	*	24 - 154
DCB Decachlorobiphenyl	51		25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 008**

Lab Sample ID: 220-8823-8
Client Matrix: Solid
% Moisture: 12.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1722
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042658.D
Initial Weight/Volume: 30.43 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	19	U	1.5	19
PCB-1221	19	U	1.5	19
PCB-1232	19	U	1.5	19
PCB-1242	19	U	1.5	19
PCB-1248	19	U	1.5	19
PCB-1254	19	U	1.6	19
PCB-1260	19	U	1.6	19

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	237	*	24 - 154
DCB Decachlorobiphenyl	2980	E *	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 009**

Lab Sample ID: 220-8823-9
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1741
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042659.D
Initial Weight/Volume: 30.15 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	20	U	1.5	20
PCB-1221	20	U	1.5	20
PCB-1232	20	U	1.5	20
PCB-1242	20	U	1.5	20
PCB-1248	20	U	1.5	20
PCB-1254	20	U	1.7	20
PCB-1260	20	U	1.7	20

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	104		24 - 154
DCB Decachlorobiphenyl	1660	E *	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 010**

Lab Sample ID: 220-8823-10
Client Matrix: Solid
% Moisture: 16.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1800
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042660.D
Initial Weight/Volume: 30.55 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		20	U	1.5	20
PCB-1221		20	U	1.5	20
PCB-1232		20	U	1.5	20
PCB-1242		20	U	1.5	20
PCB-1248		20	U	1.5	20
PCB-1254		20	U	1.7	20
PCB-1260		20	U	1.7	20

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	84		24 - 154
DCB Decachlorobiphenyl	1930	E *	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 011**

Lab Sample ID: 220-8823-11
Client Matrix: Solid
% Moisture: 39.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 2.0
Date Analyzed: 04/23/2009 1829
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26573
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042714.D
Initial Weight/Volume: 30.69 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		55	U	4.3	55
PCB-1221		55	U	4.3	55
PCB-1232		55	U	4.3	55
PCB-1242		55	U	4.3	55
PCB-1248		55	U	4.3	55
PCB-1254		55	U	4.7	55
PCB-1260		55	U	4.7	55

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	46	24 - 154
DCB Decachlorobiphenyl	101	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 012**

Lab Sample ID: 220-8823-12
Client Matrix: Solid
% Moisture: 16.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1838
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042662.D
Initial Weight/Volume: 30.52 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	20	U	1.5	20
PCB-1221	20	U	1.5	20
PCB-1232	20	U	1.5	20
PCB-1242	20	U	1.5	20
PCB-1248	20	U	1.5	20
PCB-1254	20	U	1.7	20
PCB-1260	20	U	1.7	20

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	221	*	24 - 154
DCB Decachlorobiphenyl	131		25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 013**

Lab Sample ID: 220-8823-13
Client Matrix: Solid
% Moisture: 49.8
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 50
Date Analyzed: 04/22/2009 1857
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042663.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	1700	U	130	1700
PCB-1221	1700	U	130	1700
PCB-1232	1700	U	130	1700
PCB-1242	1700	U	130	1700
PCB-1248	1700	U	130	1700
PCB-1254	1700	U	140	1700
PCB-1260	1700	U	140	1700

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	0	*	24 - 154
DCB Decachlorobiphenyl	0	*	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 014**

Lab Sample ID: 220-8823-14
Client Matrix: Solid
% Moisture: 20.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/23/2009 1945
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26573
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042718.D
Initial Weight/Volume: 30.83 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		21	U	1.6	21
PCB-1221		21	U	1.6	21
PCB-1232		21	U	1.6	21
PCB-1242		21	U	1.6	21
PCB-1248		21	U	1.6	21
PCB-1254		21	U	1.8	21
PCB-1260		21	U	1.8	21

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	94	24 - 154
DCB Decachlorobiphenyl	88	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 015**

Lab Sample ID: 220-8823-15
Client Matrix: Solid
% Moisture: 26.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 04/22/2009 1935
Date Prepared: 04/20/2009 0839
Analysis Batch: 220-26572
Prep Batch: 220-26357
Instrument ID: HP 6890 dual ECD
Lab File ID: D9042665.D
Initial Weight/Volume: 30.65 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	23	U	1.8	23
PCB-1221	23	U	1.8	23
PCB-1232	23	U	1.8	23
PCB-1242	23	U	1.8	23
PCB-1248	23	U	1.8	23
PCB-1254	23	U	1.9	23
PCB-1260	23	U	1.9	23

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	59	24 - 154
DCB Decachlorobiphenyl	112	25 - 159

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 001**

Lab Sample ID: 220-8823-1
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/20/2009 1756
Date Prepared: 04/20/2009 1332
Analysis Batch: 220-26419
Prep Batch: 220-26394
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.05 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		10.2		1.9	5.8
Cadmium		1.4	U	0.28	1.4
Chromium		13.9		0.14	1.4
Lead		570		0.85	4.1
Selenium		10.3	U	3.4	10.3
Silver		1.4	U	0.069	1.4
Barium		63.5		0.069	1.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1605
Date Prepared: 04/21/2009 1256
Analysis Batch: 220-26497
Prep Batch: 220-26438
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.12		0.0045	0.056

Analytical Data

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 002**

Lab Sample ID:	220-8823-2			Date Sampled:	04/17/2009 0900
Client Matrix:	Solid	% Moisture:	19.4	Date Received:	04/18/2009 1012

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-26499		Instrument ID:	Perkin Elmer ICP
Preparation:	3050B	Prep Batch: 220-26394		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	2.06 g
Date Analyzed:	04/22/2009 1246			Final Weight/Volume:	250 mL
Date Prepared:	04/20/2009 1332				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		7.8		2.0	6.3
Cadmium		1.5	U	0.30	1.5
Chromium		15.2		0.15	1.5
Lead		323		0.93	4.5
Selenium		11.3	U	3.8	11.3
Silver		1.5	U	0.075	1.5
Barium		73.5		0.075	1.5

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-26497		Instrument ID:	Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-26438		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	0.61 g
Date Analyzed:	04/22/2009 1606			Final Weight/Volume:	50 mL
Date Prepared:	04/21/2009 1256				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.11		0.0049	0.061

Analytical Data

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 003**

Lab Sample ID: 220-8823-3
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/22/2009 1255
Date Prepared: 04/20/2009 1332
Analysis Batch: 220-26499
Prep Batch: 220-26394
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.01 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		8.2		2.0	6.2
Cadmium		1.5	U	0.30	1.5
Chromium		12.4		0.15	1.5
Lead		432		0.92	4.4
Selenium		11.1	U	3.7	11.1
Silver		1.5	U	0.074	1.5
Barium		59.8		0.074	1.5

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1607
Date Prepared: 04/21/2009 1256
Analysis Batch: 220-26497
Prep Batch: 220-26438
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.12		0.0047	0.058

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 004**

Lab Sample ID: 220-8823-4
Client Matrix: Solid
% Moisture: 16.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/22/2009 1258
Date Prepared: 04/20/2009 1332
Analysis Batch: 220-26499
Prep Batch: 220-26394
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.02 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		9.0		2.0	6.2
Cadmium		1.5	U	0.29	1.5
Chromium		12.1		0.15	1.5
Lead		413		0.91	4.4
Selenium		11.0	U	3.7	11.0
Silver		1.5	U	0.074	1.5
Barium		74.3		0.074	1.5

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1608
Date Prepared: 04/21/2009 1256
Analysis Batch: 220-26497
Prep Batch: 220-26438
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.31		0.0047	0.059

Analytical Data

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 005**

Lab Sample ID: 220-8823-5
Client Matrix: Solid
% Moisture: 11.6
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/23/2009 1528
Date Prepared: 04/22/2009 1317
Analysis Batch: 220-26555
Prep Batch: 220-26488
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.02 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		6.4		1.9	5.9
Cadmium		1.4	U	0.28	1.4
Chromium		13.9		0.14	1.4
Lead		287		0.87	4.2
Selenium		10.5	U	3.5	10.5
Silver		1.4	U	0.070	1.4
Barium		64.4		0.070	1.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1612
Date Prepared: 04/21/2009 1719
Analysis Batch: 220-26497
Prep Batch: 220-26471
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.082		0.0045	0.056

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 006**

Lab Sample ID: 220-8823-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/23/2009 1531
Date Prepared: 04/22/2009 1317
Analysis Batch: 220-26555
Prep Batch: 220-26488
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.02 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		20.3		2.3	7.2
Cadmium		1.7	U	0.34	1.7
Chromium		9.8		0.17	1.7
Lead		6890		1.1	5.2
Selenium		12.9	U	4.3	12.9
Silver		0.25	J	0.086	1.7
Barium		68.9		0.086	1.7

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1613
Date Prepared: 04/21/2009 1719
Analysis Batch: 220-26497
Prep Batch: 220-26471
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.032	J	0.0054	0.067

Analytical Data

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 007**

Lab Sample ID: 220-8823-7
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/23/2009 1534
Date Prepared: 04/22/2009 1317
Analysis Batch: 220-26555
Prep Batch: 220-26488
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.02 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		7.6		1.9	5.9
Cadmium		1.4	U	0.28	1.4
Chromium		13.7		0.14	1.4
Lead		725		0.87	4.2
Selenium		10.6	U	3.5	10.6
Silver		1.4	U	0.070	1.4
Barium		69.9		0.070	1.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1614
Date Prepared: 04/21/2009 1719
Analysis Batch: 220-26497
Prep Batch: 220-26471
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.11		0.0045	0.056

Analytical Data

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 008**

Lab Sample ID: 220-8823-8
Client Matrix: Solid
% Moisture: 12.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/23/2009 1538
Date Prepared: 04/22/2009 1317
Analysis Batch: 220-26555
Prep Batch: 220-26488
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.01 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		13.9		1.9	5.9
Cadmium		1.4	U	0.28	1.4
Chromium		10.1		0.14	1.4
Lead		129		0.88	4.2
Selenium		10.6	U	3.5	10.6
Silver		1.4	U	0.071	1.4
Barium		76.5		0.071	1.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1618
Date Prepared: 04/21/2009 1719
Analysis Batch: 220-26497
Prep Batch: 220-26471
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.19		0.0043	0.054

Analytical Data

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 009**

Lab Sample ID: 220-8823-9
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/23/2009 1541
Date Prepared: 04/22/2009 1317
Analysis Batch: 220-26555
Prep Batch: 220-26488
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.08 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		11.3		1.9	5.9
Cadmium		1.4	U	0.28	1.4
Chromium		11.3		0.14	1.4
Lead		144		0.87	4.2
Selenium		10.6	U	3.5	10.6
Silver		1.4	U	0.071	1.4
Barium		90.7		0.071	1.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1619
Date Prepared: 04/21/2009 1719
Analysis Batch: 220-26497
Prep Batch: 220-26471
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.14		0.0047	0.059

Analytical Data

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 010**

Lab Sample ID: 220-8823-10
Client Matrix: Solid
% Moisture: 16.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/23/2009 1544
Date Prepared: 04/22/2009 1317
Analysis Batch: 220-26555
Prep Batch: 220-26488
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.03 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		14.0		2.0	6.2
Cadmium		1.5	U	0.29	1.5
Chromium		10.8		0.15	1.5
Lead		354		0.91	4.4
Selenium		11.0	U	3.7	11.0
Silver		1.5	U	0.073	1.5
Barium		75.1		0.073	1.5

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1620
Date Prepared: 04/21/2009 1719
Analysis Batch: 220-26497
Prep Batch: 220-26471
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.16		0.0047	0.059

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 011**

Lab Sample ID: 220-8823-11
Client Matrix: Solid
% Moisture: 39.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/23/2009 1547
Date Prepared: 04/22/2009 1317
Analysis Batch: 220-26555
Prep Batch: 220-26488
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.03 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		10.7		2.7	8.6
Cadmium		2.0	U	0.41	2.0
Chromium		18.9		0.20	2.0
Lead		679		1.3	6.1
Selenium		15.3	U	5.1	15.3
Silver		2.2		0.10	2.0
Barium		356		0.10	2.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 5.0
Date Analyzed: 04/22/2009 1642
Date Prepared: 04/21/2009 1719
Analysis Batch: 220-26497
Prep Batch: 220-26471
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		4.4		0.033	0.41

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 012**

Lab Sample ID: 220-8823-12
Client Matrix: Solid
% Moisture: 16.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/24/2009 1422
Date Prepared: 04/23/2009 1555
Analysis Batch: 220-26588
Prep Batch: 220-26549
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.10 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		4.2	J	1.9	6.0
Cadmium		1.4	U	0.28	1.4
Chromium		15.1		0.14	1.4
Lead		20.8		0.88	4.3
Selenium		10.7	U	3.6	10.7
Silver		0.11	J	0.071	1.4
Barium		138		0.071	1.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1623
Date Prepared: 04/21/2009 1719
Analysis Batch: 220-26497
Prep Batch: 220-26471
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.16		0.0046	0.057

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 04 013**

Lab Sample ID: 220-8823-13
Client Matrix: Solid
% Moisture: 49.8
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method:	6010B	Analysis Batch: 220-26588	Instrument ID: Perkin Elmer ICP
Preparation:	3050B	Prep Batch: 220-26549	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 2.02 g
Date Analyzed:	04/24/2009 1425		Final Weight/Volume: 250 mL
Date Prepared:	04/23/2009 1555		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		48.0		3.3	10.4
Cadmium		0.80	J	0.49	2.5
Chromium		42.0		0.25	2.5
Lead		45.9		1.5	7.4
Selenium		18.5	U	6.2	18.5
Silver		2.5	U	0.12	2.5
Barium		23.8		0.12	2.5

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 220-26497	Instrument ID: Perkin Elmer FIMS
Preparation:	7471A	Prep Batch: 220-26471	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 0.60 g
Date Analyzed:	04/22/2009 1624		Final Weight/Volume: 50 mL
Date Prepared:	04/21/2009 1719		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.17		0.0080	0.10

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 06 014**

Lab Sample ID: 220-8823-14
Client Matrix: Solid
% Moisture: 20.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/24/2009 1435
Date Prepared: 04/23/2009 1555
Analysis Batch: 220-26588
Prep Batch: 220-26549
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.01 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		4.1	J	2.1	6.6
Cadmium		1.6	U	0.31	1.6
Chromium		19.1		0.16	1.6
Lead		17.0		0.97	4.7
Selenium		11.7	U	3.9	11.7
Silver		1.6	U	0.078	1.6
Barium		131		0.078	1.6

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1625
Date Prepared: 04/21/2009 1719
Analysis Batch: 220-26497
Prep Batch: 220-26471
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.072		0.0049	0.061

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Client Sample ID: **MCTPWS 08 015**

Lab Sample ID: 220-8823-15
Client Matrix: Solid
% Moisture: 26.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 04/24/2009 1438
Date Prepared: 04/23/2009 1555
Analysis Batch: 220-26588
Prep Batch: 220-26549
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.07 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		7.0		2.2	6.9
Cadmium		1.6	U	0.33	1.6
Chromium		14.8		0.16	1.6
Lead		504		1.0	4.9
Selenium		12.3	U	4.1	12.3
Silver		0.89	J	0.082	1.6
Barium		225		0.082	1.6

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 04/22/2009 1627
Date Prepared: 04/21/2009 1719
Analysis Batch: 220-26497
Prep Batch: 220-26471
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.65 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.60		0.0050	0.063

General Chemistry

Client Sample ID: **MCTPWS 06 001**

Lab Sample ID: 220-8823-1
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	200	J	ug/Kg	56	560	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1139			DryWt Corrected: Y
	Prep Batch: 220-26517		Date Prepared:	04/22/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	860		mg/Kg	192	192	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	11.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	88.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client Sample ID: **MCTPWS 06 002**

Lab Sample ID: 220-8823-2
Client Matrix: Solid
% Moisture: 19.4
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	380	J	ug/Kg	62	620	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1140			DryWt Corrected: Y
	Prep Batch: 220-26517		Date Prepared:	04/22/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	1390		mg/Kg	209	209	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	19.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	80.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

General Chemistry

Client Sample ID: **MCTPWS 06 003**

Lab Sample ID: 220-8823-3
Client Matrix: Solid
% Moisture: 15.9
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	110	J	ug/Kg	59	590	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1141			DryWt Corrected: Y
	Prep Batch: 220-26517		Date Prepared:	04/22/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	1110		mg/Kg	196	196	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	15.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	84.1		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client Sample ID: **MCTPWS 06 004**

Lab Sample ID: 220-8823-4
Client Matrix: Solid
% Moisture: 16.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	200	J	ug/Kg	60	600	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1144			DryWt Corrected: Y
	Prep Batch: 220-26517		Date Prepared:	04/22/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	1270		mg/Kg	194	194	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	16.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	84.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

General Chemistry

Client Sample ID: **MCTPWS 06 005**

Lab Sample ID: 220-8823-5
Client Matrix: Solid
% Moisture: 11.6
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	61	J	ug/Kg	57	570	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1145			DryWt Corrected: Y
	Prep Batch: 220-26517		Date Prepared:	04/22/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	1750		mg/Kg	184	184	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	11.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	88.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client Sample ID: **MCTPWS 04 006**

Lab Sample ID: 220-8823-6
Client Matrix: Solid
% Moisture: 28.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	120	J	ug/Kg	70	700	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1146			DryWt Corrected: Y
	Prep Batch: 220-26517		Date Prepared:	04/22/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	2680		mg/Kg	234	234	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	28.1		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	71.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

General Chemistry

Client Sample ID: **MCTPWS 04 007**

Lab Sample ID: 220-8823-7
Client Matrix: Solid
% Moisture: 12.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	570	U	ug/Kg	57	570	1.0	9012B
Anly Batch: 220-26531	Date Analyzed			04/23/2009 1147			DryWt Corrected: Y
Prep Batch: 220-26517	Date Prepared:			04/22/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	2010		mg/Kg	178	178	1.0	9038
Anly Batch: 680-136136	Date Analyzed			04/27/2009 0841			DryWt Corrected: Y
Prep Batch: 680-136135	Date Prepared:			04/27/2009 0700			
Percent Moisture	12.1		%	0.100	0.100	1.0	Moisture
Anly Batch: 220-26420	Date Analyzed			04/20/2009 2143			
Percent Solids	87.9		%	0.100	0.100	1.0	Moisture
Anly Batch: 220-26420	Date Analyzed			04/20/2009 2143			

Client Sample ID: **MCTPWS 04 008**

Lab Sample ID: 220-8823-8
Client Matrix: Solid
% Moisture: 12.0
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	97	J	ug/Kg	57	570	1.0	9012B
Anly Batch: 220-26531	Date Analyzed			04/23/2009 1148			DryWt Corrected: Y
Prep Batch: 220-26517	Date Prepared:			04/22/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	1430		mg/Kg	182	182	1.0	9038
Anly Batch: 680-136136	Date Analyzed			04/27/2009 0841			DryWt Corrected: Y
Prep Batch: 680-136135	Date Prepared:			04/27/2009 0700			
Percent Moisture	12.0		%	0.100	0.100	1.0	Moisture
Anly Batch: 220-26420	Date Analyzed			04/20/2009 2143			
Percent Solids	88.0		%	0.100	0.100	1.0	Moisture
Anly Batch: 220-26420	Date Analyzed			04/20/2009 2143			

General Chemistry

Client Sample ID: **MCTPWS 04 009**

Lab Sample ID: 220-8823-9
Client Matrix: Solid
% Moisture: 14.8
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	590	U	ug/Kg	59	590	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1149			DryWt Corrected: Y
	Prep Batch: 220-26517		Date Prepared:	04/22/2009 1030			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	1570		mg/Kg	170	170	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	14.8		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	85.2		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client Sample ID: **MCTPWS 04 010**

Lab Sample ID: 220-8823-10
Client Matrix: Solid
% Moisture: 16.1
Date Sampled: 04/17/2009 0900
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	600	U	ug/Kg	60	600	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1153			DryWt Corrected: Y
	Prep Batch: 220-26519		Date Prepared:	04/22/2009 1415			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	2240		mg/Kg	187	187	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	16.1		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	83.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

General Chemistry

Client Sample ID: **MCTPWS 08 011**

Lab Sample ID: 220-8823-11
Client Matrix: Solid
% Moisture: 39.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	240	J	ug/Kg	83	830	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1154			DryWt Corrected: Y
	Prep Batch: 220-26519		Date Prepared:	04/22/2009 1415			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	2380		mg/Kg	269	269	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	39.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	60.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client Sample ID: **MCTPWS 06 012**

Lab Sample ID: 220-8823-12
Client Matrix: Solid
% Moisture: 16.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	25200		ug/Kg	300	3000	5.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1226			DryWt Corrected: Y
	Prep Batch: 220-26519		Date Prepared:	04/22/2009 1415			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	2550		mg/Kg	206	206	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	16.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	83.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

General Chemistry

Client Sample ID: **MCTPWS 04 013**

Lab Sample ID: 220-8823-13
Client Matrix: Solid
% Moisture: 49.8
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	185000		ug/Kg	1000	10000	10	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1227			DryWt Corrected: Y
	Prep Batch: 220-26519		Date Prepared:	04/22/2009 1415			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	2800		mg/Kg	299	299	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	49.8		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	50.2		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client Sample ID: **MCTPWS 06 014**

Lab Sample ID: 220-8823-14
Client Matrix: Solid
% Moisture: 20.5
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	3700		ug/Kg	63	630	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1159			DryWt Corrected: Y
	Prep Batch: 220-26519		Date Prepared:	04/22/2009 1415			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	2670		mg/Kg	214	214	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	20.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	79.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

General Chemistry

Client Sample ID: **MCTPWS 08 015**

Lab Sample ID: 220-8823-15
Client Matrix: Solid
% Moisture: 26.4
Date Sampled: 04/17/2009 1000
Date Received: 04/18/2009 1012

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	9400		ug/Kg	68	680	1.0	9012B
	Anly Batch: 220-26531		Date Analyzed	04/23/2009 1200			DryWt Corrected: Y
	Prep Batch: 220-26519		Date Prepared:	04/22/2009 1415			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Sulfur	2240		mg/Kg	216	216	1.0	9038
	Anly Batch: 680-136136		Date Analyzed	04/27/2009 0841			DryWt Corrected: Y
	Prep Batch: 680-136135		Date Prepared:	04/27/2009 0700			
Percent Moisture	26.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	73.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8823-1
Sdg Number: 220-8823

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	B	The analyte was found in an associated blank, as well as in the sample.
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	*	LCS or LCSD exceeds the control limits
	*	Surrogate exceeds the control limit
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC Semi VOA		
	*	Surrogate exceeds the control limit
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8823-1
SDG Number: 220-8823

Login Number: 8823
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Trip Blank not included on the coc.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8823-1
SDG Number: 220-8823

Login Number: 8823
Creator: Daughtry, Beth
List Number: 1

List Source: TestAmerica Savannah
List Creation: 04/20/09 11:47 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Did not rec'v "MCTPWS06 005"/Rec'd 2 containers for "MCTPWS04 013"
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8823-1
SDG Number: 220-8823

Login Number: 8823
Creator: Daughtry, Beth
List Number: 2

List Source: TestAmerica Savannah
List Creation: 04/22/09 10:25 AM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

PHOENIX
Environmental Laboratories, Inc.

Tuesday, April 21, 2009

Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Client ID: NYSEG MECHANICVILLE
Sample ID#s: AR58618

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

15750 - 16500

CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
NY Lab Registration #11301
RI Lab Registration #63
NH Lab Registration #213693-A,B
ME Lab Registration #CT-007
NJ Lab Registration #CT-003
PA Lab Registration #68-03530

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

April 21, 2009

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		04/16/09	10:00
Location Code:	ESMI	Received by:	LB	04/17/09	9:35
Rush Request:	RUSH24	Analyzed by:	see "By" below		
P.O.#:	NY0416091000				

Laboratory Data

SDG I.D.: GAR58618
Phoenix I.D.: AR58618

Client ID: NYSEG MECHANICVILLE 15900-NYSEG

Parameter	Result	RL	Units	Date	Time	By	Reference	
Arsenic	18.4	1.0	mg/Kg	04/20/09		EK	SW6010	
Barium	35.5	0.50	mg/Kg	04/20/09		EK	SW6010	
Cadmium	< 0.50	0.50	mg/Kg	04/20/09		EK	SW6010	
Chromium	22.9	0.50	mg/Kg	04/20/09		EK	SW6010	
Lead	50.0	0.50	mg/Kg	04/20/09		EK	SW6010	
Mercury	0.23	0.16	mg/Kg	04/20/09		RS	SW-7471	
Selenium	< 5.0	5.0	mg/Kg	04/20/09		EK	SW6010	
Silver	< 0.50	0.50	mg/Kg	04/20/09		EK	SW6010	
Percent Solid	63		%	04/17/09		M-JL	E160.3	
Total Cyanide	330	20	mg/Kg	04/17/09		EW/GD	SW9010/9014	
Soil Extraction for PCB	Completed			04/17/09		BB/D	SW3545	
Soil Extraction for SVOA	Completed			04/17/09		CS/D	SW3545	
Mercury Digestion	Completed			04/20/09		E	SW7471	
Total Metals Digest	Completed			04/17/09		AG/T	SW846 - 3050	
Extraction of TPH SM	Completed			04/17/09		BS/D	3545/3550	1
Sulfur	5.0	0.20	%	04/21/09		OL	ASTMD4239	1
Volatiles								
1,1,1,2-Tetrachloroethane	ND	2000	ug/Kg	04/17/09		JH	SW8260	
1,1,1-Trichloroethane	ND	2000	ug/Kg	04/17/09		JH	SW8260	
1,1,2,2-Tetrachloroethane	ND	2000	ug/Kg	04/17/09		JH	SW8260	
1,1,2-Trichloroethane	ND	2000	ug/Kg	04/17/09		JH	SW8260	
1,1-Dichloroethane	ND	2000	ug/Kg	04/17/09		JH	SW8260	
1,1-Dichloroethene	ND	2000	ug/Kg	04/17/09		JH	SW8260	
1,1-Dichloropropene	ND	2000	ug/Kg	04/17/09		JH	SW8260	
1,2,3-Trichlorobenzene	ND	2000	ug/Kg	04/17/09		JH	SW8260	
1,2,3-Trichloropropane	ND	2000	ug/Kg	04/17/09		JH	SW8260	
1,2,4-Trichlorobenzene	ND	2000	ug/Kg	04/17/09		JH	SW8260	
1,2,4-Trimethylbenzene	66000	2000	ug/Kg	04/17/09		JH	SW8260	
1,2-Dibromo-3-chloropropane	ND	2000	ug/Kg	04/17/09		JH	SW8260	

Client ID: NYSEG MECHANICVILLE 15900-NYSEG

Phoenix I.D.: AR58618

Parameter	Result		RL	Units	Date	Time	By	Reference
1,2-Dichlorobenzene	ND		2000	ug/Kg	04/17/09		JH	SW8260
1,2-Dichloroethane	ND		2000	ug/Kg	04/17/09		JH	SW8260
1,2-Dichloropropane	ND		2000	ug/Kg	04/17/09		JH	SW8260
1,3,5-Trimethylbenzene	19000		2000	ug/Kg	04/17/09		JH	SW8260
1,3-Dichlorobenzene	ND		2000	ug/Kg	04/17/09		JH	SW8260
1,3-Dichloropropane	ND		2000	ug/Kg	04/17/09		JH	SW8260
1,4-Dichlorobenzene	ND		2000	ug/Kg	04/17/09		JH	SW8260
2,2-Dichloropropane	ND		2000	ug/Kg	04/17/09		JH	SW8260
2-Chlorotoluene	ND		2000	ug/Kg	04/17/09		JH	SW8260
2-Hexanone	ND		9900	ug/Kg	04/17/09		JH	SW8260
2-Isopropyltoluene	ND		2000	ug/Kg	04/17/09		JH	SW8260
4-Chlorotoluene	ND		2000	ug/Kg	04/17/09		JH	SW8260
4-Methyl-2-pentanone	ND		9900	ug/Kg	04/17/09		JH	SW8260
Acetone	ND		9900	ug/Kg	04/17/09		JH	SW8260
Acrylonitrile	ND		4000	ug/Kg	04/17/09		JH	SW8260
Benzene	ND		2000	ug/Kg	04/17/09		JH	SW8260
Bromobenzene	ND		2000	ug/Kg	04/17/09		JH	SW8260
Bromochloromethane	ND		2000	ug/Kg	04/17/09		JH	SW8260
Bromodichloromethane	ND		2000	ug/Kg	04/17/09		JH	SW8260
Bromoform	ND		2000	ug/Kg	04/17/09		JH	SW8260
Bromomethane	ND		2000	ug/Kg	04/17/09		JH	SW8260
Carbon Disulfide	ND		2000	ug/Kg	04/17/09		JH	SW8260
Carbon tetrachloride	ND		2000	ug/Kg	04/17/09		JH	SW8260
Chlorobenzene	ND		2000	ug/Kg	04/17/09		JH	SW8260
Chloroethane	ND		2000	ug/Kg	04/17/09		JH	SW8260
Chloroform	ND		2000	ug/Kg	04/17/09		JH	SW8260
Chloromethane	ND		2000	ug/Kg	04/17/09		JH	SW8260
cis-1,2-Dichloroethene	ND		2000	ug/Kg	04/17/09		JH	SW8260
cis-1,3-Dichloropropene	ND		2000	ug/Kg	04/17/09		JH	SW8260
Dibromochloromethane	ND		2000	ug/Kg	04/17/09		JH	SW8260
Dibromoethane	ND		2000	ug/Kg	04/17/09		JH	SW8260
Dibromomethane	ND		2000	ug/Kg	04/17/09		JH	SW8260
Dichlorodifluoromethane	ND		2000	ug/Kg	04/17/09		JH	SW8260
Ethylbenzene	5600		2000	ug/Kg	04/17/09		JH	SW8260
Hexachlorobutadiene	ND		2000	ug/Kg	04/17/09		JH	SW8260
Isopropylbenzene	ND		2000	ug/Kg	04/17/09		JH	SW8260
m&p-Xylene	27000		2000	ug/Kg	04/17/09		JH	SW8260
Methyl Ethyl Ketone	ND		9900	ug/Kg	04/17/09		JH	SW8260
Methyl t-butyl ether (MTBE)	ND		4000	ug/Kg	04/17/09		JH	SW8260
Methylene chloride	ND		2000	ug/Kg	04/17/09		JH	SW8260
Naphthalene	570000	E	2000	ug/Kg	04/17/09		JH	SW8260
n-Butylbenzene	6800		2000	ug/Kg	04/17/09		JH	SW8260
n-Propylbenzene	7300		2000	ug/Kg	04/17/09		JH	SW8260
o-Xylene	19000		2000	ug/Kg	04/17/09		JH	SW8260
p-Isopropyltoluene	2700		2000	ug/Kg	04/17/09		JH	SW8260
sec-Butylbenzene	48000		2000	ug/Kg	04/17/09		JH	SW8260
Styrene	ND		2000	ug/Kg	04/17/09		JH	SW8260
tert-Butylbenzene	8300		2000	ug/Kg	04/17/09		JH	SW8260
Tetrachloroethene	ND		2000	ug/Kg	04/17/09		JH	SW8260
Tetrahydrofuran (THF)	ND		4000	ug/Kg	04/17/09		JH	SW8260
Toluene	ND		2000	ug/Kg	04/17/09		JH	SW8260
Total Xylenes	46000		2000	ug/Kg	04/17/09		JH	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
trans-1,2-Dichloroethene	ND	2000	ug/Kg	04/17/09		JH	SW8260
trans-1,3-Dichloropropene	ND	2000	ug/Kg	04/17/09		JH	SW8260
trans-1,4-dichloro-2-butene	ND	4000	ug/Kg	04/17/09		JH	SW8260
Trichloroethene	ND	2000	ug/Kg	04/17/09		JH	SW8260
Trichlorofluoromethane	ND	2000	ug/Kg	04/17/09		JH	SW8260
Trichlorotrifluoroethane	ND	2000	ug/Kg	04/17/09		JH	SW8260
Vinyl chloride	ND	2000	ug/Kg	04/17/09		JH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	04/17/09		JH	SW8260
% Bromofluorobenzene	99		%	04/17/09		JH	SW8260
% Dibromofluoromethane	99		%	04/17/09		JH	SW8260
% Toluene-d8	100		%	04/17/09		JH	SW8260
Polychlorinated Biphenyls							
PCB-1016	ND	530	ug/Kg	04/20/09		MH	SW 8082
PCB-1221	ND	530	ug/Kg	04/20/09		MH	SW 8082
PCB-1232	ND	530	ug/Kg	04/20/09		MH	SW 8082
PCB-1242	ND	530	ug/Kg	04/20/09		MH	SW 8082
PCB-1248	ND	530	ug/Kg	04/20/09		MH	SW 8082
PCB-1254	ND	530	ug/Kg	04/20/09		MH	SW 8082
PCB-1260	ND	530	ug/Kg	04/20/09		MH	SW 8082
PCB-1262	ND	530	ug/Kg	04/20/09		MH	SW 8082
PCB-1268	ND	530	ug/Kg	04/20/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	57		%	04/20/09		MH	SW 8082
% TCMX	48		%	04/20/09		MH	SW 8082
Semivolatiles							
1,2,4-Trichlorobenzene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
1,2-Dichlorobenzene	ND	4400 (J)	ug/Kg	04/19/09		KCA	SW 8270
1,3-Dichlorobenzene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
1,4-Dichlorobenzene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
2,4,5-Trichlorophenol	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
2,4,6-Trichlorophenol	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
2,4-Dichlorophenol	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
2,4-Dimethylphenol	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
2,4-Dinitrophenol	ND	24000	ug/Kg	04/19/09		KCA	SW 8270
2,4-Dinitrotoluene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
2,6-Dinitrotoluene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
2-Chloronaphthalene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
2-Chlorophenol	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
2-Methylnaphthalene	1800000	160000	ug/Kg	04/19/09		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
2-Nitroaniline	ND	24000	ug/Kg	04/19/09		KCA	SW 8270
2-Nitrophenol	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	9900	ug/Kg	04/19/09		KCA	SW 8270
3-Nitroaniline	ND	24000	ug/Kg	04/19/09		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	24000	ug/Kg	04/19/09		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
4-Chloro-3-methylphenol	ND	9900	ug/Kg	04/19/09		KCA	SW 8270
4-Chloroaniline	ND	9900	ug/Kg	04/19/09		KCA	SW 8270

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Chlorophenyl phenyl ether	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
4-Nitroaniline	ND	24000	ug/Kg	04/19/09		KCA	SW 8270
4-Nitrophenol	ND	24000	ug/Kg	04/19/09		KCA	SW 8270
Acenaphthene	23000	8300	ug/Kg	04/19/09		KCA	SW 8270
Acenaphthylene	48000	8300	ug/Kg	04/19/09		KCA	SW 8270
Anthracene	13000	8300	ug/Kg	04/19/09		KCA	SW 8270
Azobenzene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Benz(a)anthracene	39000	8300	ug/Kg	04/19/09		KCA	SW 8270
Benzidine	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Benzo(a)pyrene	26000	8300	ug/Kg	04/19/09		KCA	SW 8270
Benzo(b)fluoranthene	41000	6800 (J)	ug/Kg	04/19/09		KCA	SW 8270
Benzo(ghi)perylene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Benzo(k)fluoranthene	14000	8300	ug/Kg	04/19/09		KCA	SW 8270
Benzoic acid	ND	24000	ug/Kg	04/19/09		KCA	SW 8270
Benzyl alcohol	ND	9900	ug/Kg	04/19/09		KCA	SW 8270
Benzyl butyl phthalate	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Chrysene	41000	8300	ug/Kg	04/19/09		KCA	SW 8270
Dibenz(a,h)anthracene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Dibenzofuran	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Diethyl phthalate	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Dimethylphthalate	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Di-n-butylphthalate	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Di-n-octylphthalate	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Fluoranthene	96000	8300	ug/Kg	04/19/09		KCA	SW 8270
Fluorene	45000	8300	ug/Kg	04/19/09		KCA	SW 8270
Hexachlorobenzene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Hexachlorobutadiene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Hexachlorocyclopentadiene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Hexachloroethane	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Isophorone	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Naphthalene	3800000	160000	ug/Kg	04/19/09		KCA	SW 8270
Nitrobenzene	ND	4800 (J)	ug/Kg	04/19/09		KCA	SW 8270
N-Nitrosodimethylamine	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
N-Nitrosodiphenylamine	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Pentachlorophenol	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
Phenanthrene	150000	8300	ug/Kg	04/19/09		KCA	SW 8270
Phenol	ND	4000 (J)	ug/Kg	04/19/09		KCA	SW 8270
Pyrene	150000	8300	ug/Kg	04/19/09		KCA	SW 8270
Pyridine	ND	8300	ug/Kg	04/19/09		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	*nr		%	04/19/09		KCA	SW 8270
% 2-Fluorobiphenyl	*NR		%	04/19/09		KCA	SW 8270
% 2-Fluorophenol	*NR		%	04/19/09		KCA	SW 8270
% Nitrobenzene-d5	*NR		%	04/19/09		KCA	SW 8270
% Phenol-d5	*NR		%	04/19/09		KCA	SW 8270
% Terphenyl-d14	*NR		%	04/19/09		KCA	SW 8270

Client ID: NYSEG MECHANICVILLE 15900-NYSEG

Phoenix I.D.: AR58618

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Fuel Oil #2 / Diesel Fuel	**	5200	mg/kg	04/20/09		JRB	8100Mod
Fuel Oil #4	ND	5200	mg/kg	04/20/09		JRB	8100Mod
Fuel Oil #6	ND	5200	mg/kg	04/20/09		JRB	8100Mod
Kerosene	ND	5200	mg/kg	04/20/09		JRB	8100Mod
Motor Oil	ND	5200	mg/kg	04/20/09		JRB	8100Mod
Other Oil (Cutting & Lubricating)	ND	5200	mg/kg	04/20/09		JRB	8100Mod
Unidentified	33000	5200	mg/kg	04/20/09		JRB	8100Mod
QA/QC Surrogates							
% n-Pentacosane	Diluted Out		%	04/20/09		JRB	8100Mod

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but most closely resembles diesel fuel / fuel #2.

J = Estimated value reported at 110% of MDL study.

E - Estimated value, concentration is reported above the calibration range. Note: the 8270 concentration for naphthalene is more accurate.

* Due to matrix interference and/or the presence of a large amount of non-target material in the sample an elevated RL was reported for the semivolatile analysis.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
April 21, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

April 21, 2009

QA/QC Data

SDG I.D.: GAR58618

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
QA/QC Batch 125300, QC Sample No: AR58388 (AR58618)									
Mercury	BDL	NC	100	94.9	5.2	91.0	92.7	1.9	
QA/QC Batch 125133, QC Sample No: AR58390 (AR58618)									
ICP Metals - Soil									
Arsenic	BDL	NC	99.6	80.3	21.5	82.6	88.1	6.4	
Barium	BDL	20.2	97.5	82.0	17.3	83.7	94.0	11.6	
Cadmium	BDL	NC	101	75.5	28.9	81.6	87.1	6.5	
Chromium	BDL	14.2	111	86.2	25.2	86.2	89.4	3.6	
Lead	BDL	90.5	92.0	71.6	24.9	82.9	94.2	12.8	2
Selenium	BDL	NC	96.8	73.0	28.0	79.6	82.9	4.1	2
Silver	BDL	NC	109	86.6	22.9	91.8	95.6	4.1	

2 = This parameter is outside laboratory lcs/lcsd specified limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
April 21, 2009

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

April 21, 2009

QA/QC Data

SDG I.D.: GAR58618

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 125253, QC Sample No: AR58602 (AR58618)								
Total Cyanide	BDL	NC	85.6			109		

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
April 21, 2009

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

April 21, 2009

QA/QC Data

SDG I.D.: GAR58618

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
QA/QC Batch 125358, QC Sample No: AR58199 (AR58618)								
Volatiles								
1,1,1,2-Tetrachloroethane	ND	90	92	2.2	88	87	1.1	
1,1,1-Trichloroethane	ND	88	89	1.1	86	83	3.6	
1,1,2,2-Tetrachloroethane	ND	98	92	6.3	91	93	2.2	
1,1,2-Trichloroethane	ND	95	94	1.1	91	90	1.1	
1,1-Dichloroethane	ND	98	100	2.0	97	93	4.2	
1,1-Dichloroethene	ND	90	95	5.4	91	93	2.2	
1,1-Dichloropropene	ND	95	96	1.0	94	90	4.3	
1,2,3-Trichlorobenzene	ND	104	100	3.9	66	62	6.3	3
1,2,3-Trichloropropane	ND	100	112	11.3	85	93	9.0	
1,2,4-Trichlorobenzene	ND	104	95	9.0	67	63	6.2	3
1,2,4-Trimethylbenzene	ND	99	98	1.0	69	61	12.3	
1,2-Dibromo-3-chloropropane	ND	100	101	1.0	80	86	7.2	
1,2-Dichlorobenzene	ND	98	96	2.1	82	78	5.0	
1,2-Dichloroethane	ND	85	84	1.2	80	80	0.0	
1,2-Dichloropropane	ND	99	99	0.0	97	95	2.1	
1,3,5-Trimethylbenzene	ND	99	96	3.1	88	85	3.5	
1,3-Dichlorobenzene	ND	97	96	1.0	82	79	3.7	
1,3-Dichloropropane	ND	97	97	0.0	94	93	1.1	
1,4-Dichlorobenzene	ND	98	95	3.1	82	79	3.7	
2,2-Dichloropropane	ND	89	90	1.1	83	82	1.2	
2-Chlorotoluene	ND	101	99	2.0	92	88	4.4	
2-Hexanone	ND	91	92	1.1	60	62	3.3	
2-Isopropyltoluene	ND	98	95	3.1	86	82	4.8	
4-Chlorotoluene	ND	99	97	2.0	86	81	6.0	
4-Methyl-2-pentanone	ND	97	95	2.1	78	81	3.8	
Acetone	ND	<70	73	NC	44	45	2.2	
Acrylonitrile	ND	101	101	0.0	84	88	4.7	
Benzene	ND	100	100	0.0	98	97	1.0	
Bromobenzene	ND	98	97	1.0	89	87	2.3	
Bromochloromethane	ND	96	101	5.1	93	94	1.1	
Bromodichloromethane	ND	91	91	0.0	83	84	1.2	
Bromoform	ND	90	90	0.0	80	83	3.7	
Bromomethane	ND	84	96	13.3	79	94	17.3	
Carbon Disulfide	ND	91	93	2.2	93	93	0.0	
Carbon tetrachloride	ND	84	86	2.4	83	83	0.0	
Chlorobenzene	ND	97	99	2.0	91	90	1.1	
Chloroethane	ND	94	96	2.1	93	93	0.0	
Chloroform	ND	91	92	1.1	89	87	2.3	

QA/QC Data

SDG I.D.: GAR58618

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
Chloromethane	ND	107	103	3.8	94	88	6.6	
cis-1,2-Dichloroethene	ND	102	102	0.0	99	95	4.1	
cis-1,3-Dichloropropene	ND	96	96	0.0	90	91	1.1	
Dibromochloromethane	ND	89	89	0.0	84	86	2.4	
Dibromoethane	ND	96	96	0.0	87	90	3.4	
Dibromomethane	ND	92	91	1.1	86	88	2.3	
Dichlorodifluoromethane	ND	112	116	3.5	78	77	1.3	
Ethylbenzene	ND	98	101	3.0	93	91	2.2	
Hexachlorobutadiene	ND	95	93	2.1	63	54	15.4	3
Isopropylbenzene	ND	99	95	4.1	91	84	8.0	
m&p-Xylene	ND	100	102	2.0	89	85	4.6	
Methyl ethyl ketone	ND	109	103	5.7	73	75	2.7	
Methyl t-butyl ether (MTBE)	ND	88	91	3.4	83	88	5.8	
Methylene chloride	ND	84	89	5.8	80	83	3.7	
Naphthalene	ND	111	106	4.6	78	75	3.9	
n-Butylbenzene	ND	102	97	5.0	67	56	17.9	3
n-Propylbenzene	ND	104	100	3.9	85	77	9.9	
o-Xylene	ND	97	99	2.0	94	94	0.0	
p-Isopropyltoluene	ND	100	100	0.0	84	79	6.1	
sec-Butylbenzene	ND	98	97	1.0	77	69	11.0	3
Styrene	ND	101	101	0.0	89	90	1.1	
tert-Butylbenzene	ND	98	95	3.1	91	85	6.8	
Tetrachloroethene	ND	95	97	2.1	94	91	3.2	
Tetrahydrofuran (THF)	ND	98	99	1.0	83	90	8.1	
Toluene	ND	99	99	0.0	95	93	2.1	
trans-1,2-Dichloroethene	ND	97	100	3.0	93	94	1.1	
trans-1,3-Dichloropropene	ND	93	93	0.0	83	85	2.4	
trans-1,4-dichloro-2-butene	ND	98	96	2.1	74	80	7.8	
Trichloroethene	ND	96	94	2.1	90	90	0.0	
Trichlorofluoromethane	ND	91	92	1.1	81	80	1.2	
Trichlorotrifluoroethane	ND	89	90	1.1	87	86	1.2	
Vinyl chloride	ND	103	107	3.8	92	91	1.1	
% 1,2-dichlorobenzene-d4	97	101	101	0.0	98	97	1.0	
% Bromofluorobenzene	92	94	99	5.2	96	99	3.1	
% Dibromofluoromethane	91	97	102	5.0	97	101	4.0	
% Toluene-d8	99	100	101	1.0	101	103	2.0	
QA/QC Batch 125125, QC Sample No: AR58213 (AR58618)								
Total Petroleum Hydrocarbons								
Total Petroleum Hydrocarbons	ND	71	73	2.8	76	78	2.6	
QA/QC Batch 125129, QC Sample No: AR58397 (AR58618)								
Polychlorinated Biphenyls								
PCB-1016	ND	103	88	15.7	105	105	0.0	
PCB-1221	ND							
PCB-1232	ND							
PCB-1242	ND							
PCB-1248	ND							
PCB-1254	ND							
PCB-1260	ND	91	95	4.3	87	81	7.1	

QA/QC Data

SDG I.D.: GAR58618

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	65	61	59	3.3	64	66	3.1
% TCMX (Surrogate Rec)	83	68	66	3.0	74	72	2.7
QA/QC Batch 125124, QC Sample No: AR58397 (AR58618)							
Semivolatiles							
1,2,4-Trichlorobenzene	ND	65	73	11.6	86	80	7.2
1,2-Dichlorobenzene	ND	66	73	10.1	82	85	3.6
1,3-Dichlorobenzene	ND	63	70	10.5	79	74	6.5
1,4-Dichlorobenzene	ND	67	74	9.9	82	79	3.7
2,4,5-Trichlorophenol	ND	71	79	10.7	97	100	3.0
2,4,6-Trichlorophenol	ND	64	71	10.4	87	81	7.1
2,4-Dichlorophenol	ND	66	73	10.1	86	85	1.2
2,4-Dimethylphenol	ND	39	42	7.4	51	49	4.0
2,4-Dinitrophenol	ND	<30	<30	NC	<30	<30	NC
2,4-Dinitrotoluene	ND	68	77	12.4	89	87	2.3
2,6-Dinitrotoluene	ND	66	75	12.8	88	83	5.8
2-Chloronaphthalene	ND	69	77	11.0	92	88	4.4
2-Chlorophenol	ND	61	65	6.3	75	73	2.7
2-Methylnaphthalene	ND	69	78	12.2	92	87	5.6
2-Methylphenol (o-cresol)	ND	57	62	8.4	69	70	1.4
2-Nitroaniline	ND	127	>130	NC	NC	NC	NC
2-Nitrophenol	ND	77	86	11.0	98	93	5.2
3&4-Methylphenol (m&p-cresol)	ND	65	71	8.8	83	80	3.7
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC	N/A	N/A	NC
3-Nitroaniline	ND	116	126	8.3	118	117	0.9
4,6-Dinitro-2-methylphenol	ND	48	63	27.0	74	60	20.9
4-Bromophenyl phenyl ether	ND	77	87	12.2	106	97	8.9
4-Chloro-3-methylphenol	ND	68	75	9.8	87	86	1.2
4-Chloroaniline	ND	86	94	8.9	71	68	4.3
4-Chlorophenyl phenyl ether	ND	76	84	10.0	103	99	4.0
4-Nitroaniline	ND	70	77	9.5	90	87	3.4
4-Nitrophenol	ND	70	77	9.5	87	90	3.4
Acenaphthene	ND	72	82	13.0	96	94	2.1
Acenaphthylene	ND	68	75	9.8	88	86	2.3
Anthracene	ND	75	86	13.7	102	97	5.0
Azobenzene	ND	73	81	10.4	93	92	1.1
Benz(a)anthracene	ND	80	87	8.4	103	103	0.0
Benzidine	ND	N/A	N/A	NC	N/A	N/A	NC
Benzo(a)pyrene	ND	76	87	13.5	107	102	4.8
Benzo(b)fluoranthene	ND	85	97	13.2	118	115	2.6
Benzo(ghi)perylene	ND	57	58	1.7	78	73	6.6
Benzo(k)fluoranthene	ND	88	98	10.8	129	120	7.2
Benzoic acid	ND	N/A	N/A	NC	N/A	N/A	NC
Benzyl butyl phthalate	ND	82	87	5.9	110	115	4.4
Bis(2-chloroethoxy)methane	ND	66	74	11.4	84	80	4.9
Bis(2-chloroethyl)ether	ND	64	69	7.5	79	75	5.2
Bis(2-chloroisopropyl)ether	ND	68	73	7.1	84	79	6.1

QA/QC Data

SDG I.D.: GAR58618

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Bis(2-ethylhexyl)phthalate	ND	83	89	7.0	112	114	1.8
Chrysene	ND	79	86	8.5	102	100	2.0
Dibenz(a,h)anthracene	ND	67	72	7.2	97	93	4.2
Dibenzofuran	ND	71	79	10.7	96	92	4.3
Diethyl phthalate	ND	78	87	10.9	101	95	6.1
Dimethylphthalate	ND	75	82	8.9	97	93	4.2
Di-n-butylphthalate	ND	74	83	11.5	97	91	6.4
Di-n-octylphthalate	ND	86	96	11.0	104	93	11.2
Fluoranthene	ND	73	82	11.6	95	95	0.0
Fluorene	ND	78	88	12.0	105	102	2.9
Hexachlorobenzene	ND	80	89	10.7	108	102	5.7
Hexachlorobutadiene	ND	68	77	12.4	89	84	5.8
Hexachlorocyclopentadiene	ND	78	88	12.0	89	70	23.9
Hexachloroethane	ND	68	75	9.8	84	79	6.1
Indeno(1,2,3-cd)pyrene	ND	64	68	6.1	90	86	4.5
Isophorone	ND	71	79	10.7	88	85	3.5
Naphthalene	ND	68	74	8.5	87	85	2.3
Nitrobenzene	ND	71	76	6.8	88	85	3.5
N-Nitrosodimethylamine	ND	42	48	13.3	55	50	9.5
N-Nitrosodi-n-propylamine	ND	79	86	8.5	100	96	4.1
N-Nitrosodiphenylamine	ND	90	100	10.5	117	112	4.4
Pentachlorophenol	ND	58	64	9.8	97	96	1.0
Phenanthrene	ND	74	82	10.3	100	97	3.0
Phenol	ND	65	69	6.0	80	77	3.8
Pyrene	ND	71	80	11.9	93	95	2.1
Pyridine	ND	36	42	15.4	44	40	9.5
% 2,4,6-Tribromophenol	98	92	96	4.3	115	116	0.9
% 2-Fluorobiphenyl	76	67	70	4.4	84	84	0.0
% 2-Fluorophenol	74	65	66	1.5	77	76	1.3
% Nitrobenzene-d5	75	65	66	1.5	76	75	1.3
% Phenol-d5	77	69	71	2.9	81	80	1.2
% Terphenyl-d14	67	60	64	6.5	73	78	6.6

3 = This parameter is outside laboratory ms/msd specified limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller

Phyllis Shiller, Laboratory Director
April 21, 2009

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

April 21, 2009

SDG I.D.: GAR58618

The samples in this delivery group were received at 5C.
(Note acceptance criteria is above freezing up to 6C)

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 5 Pg of

Data Delivery:
☐ Fax #: _____
☐ Email: _____

Customer: ESMI
Address: 304 Towpath Rd.
Fort Edward, 12828

Project: NYSEG - Mechanicville
Report to: _____
Invoice to: _____

Project P.O: PM041609 1000
Phone #: _____
Fax #: _____

Client Sample - Information - Identification

Sampler's Signature: _____ Date 4/16/09

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=other
GW=groundwater SL=sludge A=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TPH-DRO	SVOC (8270)	VOC (8260)	RCRA's	PCB's	% sulfur	cyanide	metals	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
58018	15900-NYSEG	S	4/16	1000	X	X	X	X	X	X	X					5						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	4/16/09	1000
[signature] EE	[signature]	4/17	9:35

Comments, Special Requirements or Regulations:

Turnaround:
☒ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other

* SURCHARGE APPLIES

CT/RI
☐ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: NY

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other _____

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☒ Phoenix Std Report
☐ Other

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A08-6706,A08-6764

Project#: NY3A9052EP
SDG#: 6706
Site Name: NYSEG
Task: Mechanicville Disposal Analysis

Mr. Scott Underhill
Earth Tech
40 British American Blvd
Latham, NY 12110

TestAmerica Laboratories Inc.

Paul K. Morrow
Project Manager

07/09/2008

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8670610	MCGPWS 04001	SOIL	06/09/2008	12:15	06/11/2008	08:50
A8670601	MCGPWS 04011	SOIL	06/10/2008	09:15	06/11/2008	08:50
A8670615	MCGPWS 04015	SOIL	06/10/2008	09:50	06/11/2008	08:50
A8670619	MCGPWS 04019	SOIL	06/10/2008	11:00	06/11/2008	08:50
A8670608	MCGPWS 08002	SOIL	06/09/2008	12:15	06/11/2008	08:50
A8670611	MCGPWS 08004	SOIL	06/09/2008	10:15	06/11/2008	08:50
A8670612	MCGPWS 08005	SOIL	06/09/2008	11:00	06/11/2008	08:50
A8670613	MCGPWS 08006	SOIL	06/09/2008	10:35	06/11/2008	08:50
A8670605	MCGPWS 08008	SOIL	06/09/2008	09:25	06/11/2008	08:50
A8670606	MCGPWS 08009	SOIL	06/09/2008	09:45	06/11/2008	08:50
A8670607	MCGPWS 08010	SOIL	06/09/2008	09:00	06/11/2008	08:50
A8670602	MCGPWS 08012	SOIL	06/10/2008	09:10	06/11/2008	08:50
A8670616	MCGPWS 08016	SOIL	06/10/2008	10:05	06/11/2008	08:50
A8670609	MCGPWS 12003	SOIL	06/09/2008	12:15	06/11/2008	08:50
A8670614	MCGPWS 12007	SOIL	06/09/2008	10:00	06/11/2008	08:50
A8670603	MCGPWS 12013	SOIL	06/10/2008	09:25	06/11/2008	08:50
A8670617	MCGPWS 12017	SOIL	06/10/2008	10:25	06/11/2008	08:50
A8670620	MCGPWS 12021	SOIL	06/10/2008	11:30	06/11/2008	08:50
A8670604	MCGPWS 20014	SOIL	06/10/2008	08:50	06/11/2008	08:50
A8670618	MCGPWS 20018	SOIL	06/10/2008	10:30	06/11/2008	08:50
A8670621	MCGPWS 20022	SOIL	06/10/2008	11:45	06/11/2008	08:50
A8676401	MCGPWS08020	SOIL	06/11/2008	10:00	06/12/2008	09:15

Sample ID: MCGPWS 08004
Lab Sample ID: A8670611
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Project No: NY3A9052EP
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Site No: NYSEG

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-TRICHLOROETHANE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
1,1,2,2-TETRACHLOROETHANE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
1,1,2-TRICHLOROETHANE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
1,1-DICHLOROETHANE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
1,1-DICHLOROETHYLENE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
1,2 DICHLOROETHENE (TOTAL)	ND		10	UG/KG	8260	06/17/2008 20:10	LH
1,2-DICHLOROETHANE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
1,2-DICHLOROPROPANE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
2-HEXANONE	ND		26	UG/KG	8260	06/17/2008 20:10	LH
4-METHYL-2-PENTANONE	ND		26	UG/KG	8260	06/17/2008 20:10	LH
ACETONE	ND		26	UG/KG	8260	06/17/2008 20:10	LH
BENZENE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
BROMOFORM	ND		5	UG/KG	8260	06/17/2008 20:10	LH
CARBON DISULFIDE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
CARBON TETRACHLORIDE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
CHLOROBENZENE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
CHLORODIBROMOMETHANE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
CHLOROETHANE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
CHLOROFORM	ND		5	UG/KG	8260	06/17/2008 20:10	LH
CHLOROMETHANE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
CIS-1,3-DICHLOROPROPENE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
DICHLOROBROMOMETHANE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
ETHYLBENZENE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
METHYL ETHYL KETONE	ND		26	UG/KG	8260	06/17/2008 20:10	LH
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/17/2008 20:10	LH
METHYLBROMIDE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
METHYLENE CHLORIDE	12	B	5	UG/KG	8260	06/17/2008 20:10	LH
STYRENE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
TETRACHLOROETHENE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
TOLUENE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
TOTAL XYLENES	ND		16	UG/KG	8260	06/17/2008 20:10	LH
TRANS-1,3-DICHLOROPROPENE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
TRICHLOROETHENE	ND		5	UG/KG	8260	06/17/2008 20:10	LH
VINYL ACETATE	ND		26	UG/KG	8260	06/17/2008 20:10	LH
VINYL CHLORIDE	ND		10	UG/KG	8260	06/17/2008 20:10	LH
SW8463 8260 - TCLP VOLATILES - SOIL							
1,1-DICHLOROETHYLENE	ND		0.01	MG/L	8260	06/27/2008 17:10	CDC
1,2-DICHLOROETHANE	ND		0.01	MG/L	8260	06/27/2008 17:10	CDC
BENZENE	ND		0.01	MG/L	8260	06/27/2008 17:10	CDC
CARBON TETRACHLORIDE	ND		0.01	MG/L	8260	06/27/2008 17:10	CDC
CHLOROBENZENE	ND		0.01	MG/L	8260	06/27/2008 17:10	CDC
CHLOROFORM	ND		0.01	MG/L	8260	06/27/2008 17:10	CDC
METHYL ETHYL KETONE	ND		0.05	MG/L	8260	06/27/2008 17:10	CDC
TETRACHLOROETHENE	ND		0.01	MG/L	8260	06/27/2008 17:10	CDC
TRICHLOROETHENE	ND		0.01	MG/L	8260	06/27/2008 17:10	CDC
VINYL CHLORIDE	ND		0.01	MG/L	8260	06/27/2008 17:10	CDC

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Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8270 - TCL SVOA ORGANICS + PYRIDI							
1,2,4-TRICHLOROBENZENE	ND		340	UG/KG	8270	06/20/2008 17:08	MD
1,2-DICHLOROBENZENE	ND		340	UG/KG	8270	06/20/2008 17:08	MD
1,3-DICHLOROBENZENE	ND		340	UG/KG	8270	06/20/2008 17:08	MD
1,4-DICHLOROBENZENE	ND		340	UG/KG	8270	06/20/2008 17:08	MD
2,4,5-TRICHLOROPHENOL	ND		180	UG/KG	8270	06/20/2008 17:08	MD
2,4,6-TRICHLOROPHENOL	ND		180	UG/KG	8270	06/20/2008 17:08	MD
2,4-DICHLOROPHENOL	ND		180	UG/KG	8270	06/20/2008 17:08	MD
2,4-DIMETHYLPHENOL	ND		180	UG/KG	8270	06/20/2008 17:08	MD
2,4-DINITROPHENOL	ND		340	UG/KG	8270	06/20/2008 17:08	MD
2,4-DINITROTOLUENE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
2,6-DINITROTOLUENE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
2-CHLORONAPHTHALENE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
2-CHLOROPHENOL	ND		180	UG/KG	8270	06/20/2008 17:08	MD
2-METHYLNAPHTHALENE	30	J	180	UG/KG	8270	06/20/2008 17:08	MD
2-METHYLPHENOL	ND		180	UG/KG	8270	06/20/2008 17:08	MD
2-NITROANILINE	ND		340	UG/KG	8270	06/20/2008 17:08	MD
2-NITROPHENOL	ND		180	UG/KG	8270	06/20/2008 17:08	MD
3,3'-DICHLOROBENZIDINE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
3-NITROANILINE	ND		340	UG/KG	8270	06/20/2008 17:08	MD
4,6-DINITRO-O-CRESOL	ND		340	UG/KG	8270	06/20/2008 17:08	MD
4-BROMOPHENYL PHENYL ETHER	ND		180	UG/KG	8270	06/20/2008 17:08	MD
4-CHLORO-3-METHYLPHENOL	ND		180	UG/KG	8270	06/20/2008 17:08	MD
4-CHLOROANILINE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
4-CHLOROPHENYL PHENYL ETHER	ND		180	UG/KG	8270	06/20/2008 17:08	MD
4-METHYLPHENOL	ND		180	UG/KG	8270	06/20/2008 17:08	MD
4-NITROANILINE	ND		340	UG/KG	8270	06/20/2008 17:08	MD
4-NITROPHENOL	ND		340	UG/KG	8270	06/20/2008 17:08	MD
ACENAPHTHENE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
ACENAPHTHYLENE	72	J	180	UG/KG	8270	06/20/2008 17:08	MD
ANTHRACENE	15	J	180	UG/KG	8270	06/20/2008 17:08	MD
BENZO(A)ANTHRACENE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
BENZO(A)PYRENE	43	J	180	UG/KG	8270	06/20/2008 17:08	MD
BENZO(B)FLUORANTHENE	42	J	180	UG/KG	8270	06/20/2008 17:08	MD
BENZO(GHI)PERYLENE	92	J	180	UG/KG	8270	06/20/2008 17:08	MD
BENZO(K)FLUORANTHENE	14	J	180	UG/KG	8270	06/20/2008 17:08	MD
BENZOIC ACID	ND		5000	UG/KG	8270	06/20/2008 17:08	MD
BENZYL ALCOHOL	ND		340	UG/KG	8270	06/20/2008 17:08	MD
BIS(2-CHLOROETHOXY)METHANE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
BIS(2-CHLOROETHYL)ETHER	ND		180	UG/KG	8270	06/20/2008 17:08	MD
BIS(2-CHLOROISOPROPYL)ETHER	ND		180	UG/KG	8270	06/20/2008 17:08	MD
BIS(2-ETHYLHEXYL)PHTHALATE	110	J	180	UG/KG	8270	06/20/2008 17:08	MD
BUTYL BENZYL PHTHALATE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
CHRYSENE	41	BJ	180	UG/KG	8270	06/20/2008 17:08	MD
DI-N-BUTYL PHTHALATE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
DI-N-OCTYL PHTHALATE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
DIBENZO(A,H)ANTHRACENE	16	J	180	UG/KG	8270	06/20/2008 17:08	MD
DIBENZOFURAN	ND		180	UG/KG	8270	06/20/2008 17:08	MD
DIETHYLPHTHALATE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
DIMETHYLPHTHALATE	ND		180	UG/KG	8270	06/20/2008 17:08	MD

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Site No: NYSEG

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8270 - TCL SVOA ORGANICS + PYRIDI							
FLUORANTHENE	27	J	180	UG/KG	8270	06/20/2008 17:08	MD
FLUORENE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
HEXACHLORO-1,3-BUTADIENE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
HEXACHLOROBENZENE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
HEXACHLOROCYCLOPENTADIENE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
HEXACHLOROETHANE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
INDENO(1,2,3-CD)PYRENE	59	J	180	UG/KG	8270	06/20/2008 17:08	MD
ISOPHORONE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
N-NITROSODI-N-PROPYLAMINE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
N-NITROSODIPHENYLAMINE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
NAPHTHALENE	58	J	180	UG/KG	8270	06/20/2008 17:08	MD
NITROBENZENE	ND		180	UG/KG	8270	06/20/2008 17:08	MD
PENTACHLOROPHENOL	ND		340	UG/KG	8270	06/20/2008 17:08	MD
PHENANTHRENE	16	J	180	UG/KG	8270	06/20/2008 17:08	MD
PHENOL	ND		180	UG/KG	8270	06/20/2008 17:08	MD
PYRENE	53	J	180	UG/KG	8270	06/20/2008 17:08	MD
PYRIDINE	ND		340	UG/KG	8270	06/20/2008 17:08	MD
Total Cresols	ND		680	UG/KG	8270	06/20/2008 17:08	MD
Total PAH	580		340	UG/KG	8270	06/20/2008 17:08	MD
SW8463 8270 - TCLP BNA EXTRACTABLES							
1,4-DICHLOROBENZENE	ND		0.040	MG/L	8270	06/19/2008 13:44	MD
2,4,5-TRICHLOROPHENOL	ND		0.020	MG/L	8270	06/19/2008 13:44	MD
2,4,6-TRICHLOROPHENOL	ND		0.020	MG/L	8270	06/19/2008 13:44	MD
2,4-DINITROTOLUENE	ND		0.020	MG/L	8270	06/19/2008 13:44	MD
HEXACHLORO-1,3-BUTADIENE	ND		0.020	MG/L	8270	06/19/2008 13:44	MD
HEXACHLOROBENZENE	ND		0.020	MG/L	8270	06/19/2008 13:44	MD
HEXACHLOROETHANE	ND		0.020	MG/L	8270	06/19/2008 13:44	MD
NITROBENZENE	ND		0.020	MG/L	8270	06/19/2008 13:44	MD
PENTACHLOROPHENOL	ND		0.040	MG/L	8270	06/19/2008 13:44	MD
PYRIDINE	ND		0.10	MG/L	8270	06/19/2008 13:44	MD
Total Cresols	ND		0.080	MG/L	8270	06/19/2008 13:44	MD
SOIL - DIESEL RANGE ORGANICS - METHOD 8015B							
Diesel Range Organics	ND		90	MG/KG	8015B	06/20/2008 03:58	DW
MEDIUM LEVEL SOIL-SW8463 8082 - PCBS							
Total Polychlorinated Biphenyls-8082 (7 AR)	ND		0.23	MG/KG	8082	06/21/2008 03:42	DW
SW8463 8081 - TCLP PESTICIDES							
CHLORDANE	ND		0.030	MG/L	8081	06/21/2008 20:12	TCH
ENDRIN	ND		0.020	MG/L	8081	06/21/2008 20:12	TCH
HEPTACHLOR	ND		0.0080	MG/L	8081	06/21/2008 20:12	TCH
LINDANE	ND		0.40	MG/L	8081	06/21/2008 20:12	TCH
METHOXYCHLOR	ND		10	MG/L	8081	06/21/2008 20:12	TCH
TOXAPHENE	ND		0.50	MG/L	8081	06/21/2008 20:12	TCH
SW8463 8151 - TCLP HERBICIDES							
2,4,5-TP(SILVEX)	ND		0.0020	MG/L	8151	06/26/2008 12:48	TCH

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Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SW8463 8151 - TCLP HERBICIDES							
2,4-DICHLOROPHENOXYCETIC ACID	ND		0.0020	MG/L	8151	06/26/2008 12:48	TCH
Metals Analysis							
ALUMINUM, TOTAL	7480		11.0	MG/KG	6010	06/14/2008 14:23	AH
ARSENIC, TOTAL	4.7		1.1	MG/KG	6010	06/14/2008 14:23	AH
BARIUM, TOTAL	44.2		2.2	MG/KG	6010	06/14/2008 14:23	AH
BERYLLIUM, TOTAL	ND		0.55	MG/KG	6010	06/14/2008 14:23	AH
CADMIUM, TOTAL	ND		0.55	MG/KG	6010	06/14/2008 14:23	AH
CALCIUM, TOTAL	14400		55.0	MG/KG	6010	06/14/2008 14:23	AH
CHROMIUM, TOTAL	10.7		1.1	MG/KG	6010	06/14/2008 14:23	AH
COBALT, TOTAL	6.9		5.5	MG/KG	6010	06/14/2008 14:23	AH
COPPER, TOTAL	17.9		2.2	MG/KG	6010	06/14/2008 14:23	AH
IRON, TOTAL	18200		11.0	MG/KG	6010	06/14/2008 14:23	AH
LEAD, TOTAL	9.9		0.55	MG/KG	6010	06/14/2008 14:23	AH
MAGNESIUM, TOTAL	6150		55.0	MG/KG	6010	06/14/2008 14:23	AH
MANGANESE,TOTAL	534		1.1	MG/KG	6010	06/14/2008 14:23	AH
MERCURY, TOTAL	0.011		0.0083	MG/KG	7471	06/16/2008 14:30	MM
NICKEL, TOTAL	14.3		4.4	MG/KG	6010	06/14/2008 14:23	AH
SELENIUM, TOTAL	ND		0.65	MG/KG	6010	06/14/2008 14:23	AH
SILVER, TOTAL	ND		1.1	MG/KG	6010	06/14/2008 14:23	AH
TOTAL ANTIMONY	ND		6.6	MG/KG	6010	06/14/2008 14:23	AH
TOTAL POTASSIUM	936		220	MG/KG	6010	06/14/2008 14:23	AH
TOTAL SODIUM	71.2		55.0	MG/KG	6010	06/14/2008 14:23	AH
TOTAL THALLIUM	ND		1.1	MG/KG	6010	06/14/2008 14:23	AH
TOTAL VANADIUM	12.2		5.5	MG/KG	6010	06/14/2008 14:23	AH
TOTAL ZINC	46.1		2.2	MG/KG	6010	06/14/2008 14:23	AH
TCLP Metals Analysis							
ARSENIC, TOTAL	0.018		0.010	MG/L	6010	06/17/2008 22:30	AH
BARIUM, TOTAL	0.61		0.0020	MG/L	6010	06/17/2008 22:30	AH
CADMIUM, TOTAL	0.0013		0.0010	MG/L	6010	06/17/2008 22:30	AH
CHROMIUM, TOTAL	0.042		0.0040	MG/L	6010	06/17/2008 22:30	AH
LEAD, TOTAL	0.042		0.0050	MG/L	6010	06/17/2008 22:30	AH
MERCURY, TOTAL	ND		0.00020	MG/L	7470	06/16/2008 18:48	MM
SELENIUM, TOTAL	ND		0.015	MG/L	6010	06/17/2008 22:30	AH
SILVER, TOTAL	ND		0.0030	MG/L	6010	06/17/2008 22:30	AH
Wet Chemistry Analysis							
CORROSIVITY (pH)	8.49		0	S.U.	9045	06/12/2008 23:05	WM
CYANIDE, TOTAL	ND		0.88	UG/G	9012A	06/13/2008 15:17	ERK
H2S Released From Waste	ND		500	MG/KG	SECT7.3	06/12/2008 16:00	RLG
HCN Released From Waste	ND		250	MG/KG	SECT7.3	06/12/2008 16:00	RLG
IGNITABILITY			0	°F	1010	06/20/2008 15:30	RJP
TOTAL SOLIDS (% SOLIDS)	95.3		0	%	D2216-19	06/12/2008 11:05	JM

Sample ID: MCGPWS 08005
Lab Sample ID: A8670612
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Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-TRICHLOROETHANE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
1,1,2,2-TETRACHLOROETHANE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
1,1,2-TRICHLOROETHANE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
1,1-DICHLOROETHANE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
1,1-DICHLOROETHYLENE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
1,2 DICHLOROETHENE (TOTAL)	ND		12	UG/KG	8260	06/17/2008 20:35	LH
1,2-DICHLOROETHANE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
1,2-DICHLOROPROPANE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
2-HEXANONE	ND		29	UG/KG	8260	06/17/2008 20:35	LH
4-METHYL-2-PENTANONE	ND		29	UG/KG	8260	06/17/2008 20:35	LH
ACETONE	34		29	UG/KG	8260	06/17/2008 20:35	LH
BENZENE	640	E	6	UG/KG	8260	06/17/2008 20:35	LH
BROMOFORM	ND		6	UG/KG	8260	06/17/2008 20:35	LH
CARBON DISULFIDE	1	J	6	UG/KG	8260	06/17/2008 20:35	LH
CARBON TETRACHLORIDE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
CHLOROBENZENE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
CHLORODIBROMOMETHANE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
CHLOROETHANE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
CHLOROFORM	ND		6	UG/KG	8260	06/17/2008 20:35	LH
CHLOROMETHANE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
CIS-1,3-DICHLOROPROPENE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
DICHLOROBROMOMETHANE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
ETHYLBENZENE	710	E	6	UG/KG	8260	06/17/2008 20:35	LH
METHYL ETHYL KETONE	12	J	29	UG/KG	8260	06/17/2008 20:35	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	06/17/2008 20:35	LH
METHYLBROMIDE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
METHYLENE CHLORIDE	14	B	6	UG/KG	8260	06/17/2008 20:35	LH
STYRENE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
TETRACHLOROETHENE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
TOLUENE	540	E	6	UG/KG	8260	06/17/2008 20:35	LH
TOTAL XYLENES	1100	E	18	UG/KG	8260	06/17/2008 20:35	LH
TRANS-1,3-DICHLOROPROPENE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
TRICHLOROETHENE	ND		6	UG/KG	8260	06/17/2008 20:35	LH
VINYL ACETATE	ND		29	UG/KG	8260	06/17/2008 20:35	LH
VINYL CHLORIDE	ND		12	UG/KG	8260	06/17/2008 20:35	LH
SW8463 8260 - TCLP VOLATILES - SOIL							
1,1-DICHLOROETHYLENE	ND		0.01	MG/L	8260	06/27/2008 17:34	CDC
1,2-DICHLOROETHANE	ND		0.01	MG/L	8260	06/27/2008 17:34	CDC
BENZENE	0.01		0.01	MG/L	8260	06/27/2008 17:34	CDC
CARBON TETRACHLORIDE	ND		0.01	MG/L	8260	06/27/2008 17:34	CDC
CHLOROBENZENE	ND		0.01	MG/L	8260	06/27/2008 17:34	CDC
CHLOROFORM	ND		0.01	MG/L	8260	06/27/2008 17:34	CDC
METHYL ETHYL KETONE	ND		0.05	MG/L	8260	06/27/2008 17:34	CDC
TETRACHLOROETHENE	ND		0.01	MG/L	8260	06/27/2008 17:34	CDC
TRICHLOROETHENE	ND		0.01	MG/L	8260	06/27/2008 17:34	CDC
VINYL CHLORIDE	ND		0.01	MG/L	8260	06/27/2008 17:34	CDC

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Lab Sample ID: A8670612
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Site No: NYSEG

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8270 - TCL SVOA ORGANICS + PYRIDI							
1,2,4-TRICHLOROBENZENE	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
1,2-DICHLOROBENZENE	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
1,3-DICHLOROBENZENE	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
1,4-DICHLOROBENZENE	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
2,4,5-TRICHLOROPHENOL	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
2,4,6-TRICHLOROPHENOL	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
2,4-DICHLOROPHENOL	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
2,4-DIMETHYLPHENOL	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
2,4-DINITROPHENOL	8000		7800	UG/KG	8270	06/20/2008 17:31	MD
2,4-DINITROTOLUENE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
2,6-DINITROTOLUENE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
2-CHLORONAPHTHALENE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
2-CHLOROPHENOL	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
2-METHYLNAPHTHALENE	64000		4000	UG/KG	8270	06/20/2008 17:31	MD
2-METHYLPHENOL	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
2-NITROANILINE	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
2-NITROPHENOL	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
3,3'-DICHLOROBENZIDINE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
3-NITROANILINE	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
4,6-DINITRO-O-CRESOL	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
4-BROMOPHENYL PHENYL ETHER	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
4-CHLORO-3-METHYLPHENOL	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
4-CHLOROANILINE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
4-CHLOROPHENYL PHENYL ETHER	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
4-METHYLPHENOL	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
4-NITROANILINE	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
4-NITROPHENOL	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
ACENAPHTHENE	35000		4000	UG/KG	8270	06/20/2008 17:31	MD
ACENAPHTHYLENE	41000		4000	UG/KG	8270	06/20/2008 17:31	MD
ANTHRACENE	42000		4000	UG/KG	8270	06/20/2008 17:31	MD
BENZO(A)ANTHRACENE	27000		4000	UG/KG	8270	06/20/2008 17:31	MD
BENZO(A)PYRENE	19000		4000	UG/KG	8270	06/20/2008 17:31	MD
BENZO(B)FLUORANTHENE	17000		4000	UG/KG	8270	06/20/2008 17:31	MD
BENZO(GHI)PERYLENE	13000		4000	UG/KG	8270	06/20/2008 17:31	MD
BENZO(K)FLUORANTHENE	4700		4000	UG/KG	8270	06/20/2008 17:31	MD
BENZOIC ACID	ND		110000	UG/KG	8270	06/20/2008 17:31	MD
BENZYL ALCOHOL	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
BIS(2-CHLOROETHOXY)METHANE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
BIS(2-CHLOROETHYL)ETHER	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
BIS(2-CHLOROISOPROPYL)ETHER	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
BIS(2-ETHYLHEXYL)PHTHALATE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
BUTYL BENZYL PHTHALATE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
CHRYSENE	24000	B	4000	UG/KG	8270	06/20/2008 17:31	MD
DI-N-BUTYL PHTHALATE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
DI-N-OCTYL PHTHALATE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
DIBENZO(A,H)ANTHRACENE	2300	J	4000	UG/KG	8270	06/20/2008 17:31	MD
DIBENZOFURAN	6400		4000	UG/KG	8270	06/20/2008 17:31	MD
DIETHYLPHTHALATE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
DIMETHYLPHTHALATE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD

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Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8270 - TCL SVOA ORGANICS + PYRIDI							
FLUORANTHENE	58000		4000	UG/KG	8270	06/20/2008 17:31	MD
FLUORENE	51000		4000	UG/KG	8270	06/20/2008 17:31	MD
HEXACHLORO-1,3-BUTADIENE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
HEXACHLOROBENZENE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
HEXACHLOROCYCLOPENTADIENE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
HEXACHLOROETHANE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
INDENO(1,2,3-CD)PYRENE	9500		4000	UG/KG	8270	06/20/2008 17:31	MD
ISOPHORONE	320	J	4000	UG/KG	8270	06/20/2008 17:31	MD
N-NITROSODI-N-PROPYLAMINE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
N-NITROSODIPHENYLAMINE	3000	J	4000	UG/KG	8270	06/20/2008 17:31	MD
NAPHTHALENE	120000		4000	UG/KG	8270	06/20/2008 17:31	MD
NITROBENZENE	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
PENTACHLOROPHENOL	ND		7800	UG/KG	8270	06/20/2008 17:31	MD
PHENANTHRENE	150000	E	4000	UG/KG	8270	06/20/2008 17:31	MD
PHENOL	ND		4000	UG/KG	8270	06/20/2008 17:31	MD
PYRENE	86000		4000	UG/KG	8270	06/20/2008 17:31	MD
PYRIDINE	5000	J	7800	UG/KG	8270	06/20/2008 17:31	MD
Total Cresols	ND		16000	UG/KG	8270	06/20/2008 17:31	MD
Total PAH	770000		7800	UG/KG	8270	06/20/2008 17:31	MD
SW8463 8270 - TCLP BNA EXTRACTABLES							
1,4-DICHLOROBENZENE	ND		0.040	MG/L	8270	06/19/2008 14:06	MD
2,4,5-TRICHLOROPHENOL	ND		0.020	MG/L	8270	06/19/2008 14:06	MD
2,4,6-TRICHLOROPHENOL	ND		0.020	MG/L	8270	06/19/2008 14:06	MD
2,4-DINITROTOLUENE	ND		0.020	MG/L	8270	06/19/2008 14:06	MD
HEXACHLORO-1,3-BUTADIENE	ND		0.020	MG/L	8270	06/19/2008 14:06	MD
HEXACHLOROBENZENE	ND		0.020	MG/L	8270	06/19/2008 14:06	MD
HEXACHLOROETHANE	ND		0.020	MG/L	8270	06/19/2008 14:06	MD
NITROBENZENE	ND		0.020	MG/L	8270	06/19/2008 14:06	MD
PENTACHLOROPHENOL	ND		0.040	MG/L	8270	06/19/2008 14:06	MD
PYRIDINE	ND		0.10	MG/L	8270	06/19/2008 14:06	MD
Total Cresols	ND		0.080	MG/L	8270	06/19/2008 14:06	MD
SOIL - DIESEL RANGE ORGANICS - METHOD 8015B							
Diesel Range Organics	1500		110	MG/KG	8015B	06/20/2008 04:32	DW
MEDIUM LEVEL SOIL-SW8463 8082 - PCBS							
Total Polychlorinated Biphenyls-8082 (7 AR)	ND		0.29	MG/KG	8082	06/21/2008 04:00	DW
SW8463 8081 - TCLP PESTICIDES							
CHLORDANE	ND		0.030	MG/L	8081	06/21/2008 20:47	TCH
ENDRIN	0.00022	J	0.020	MG/L	8081	06/21/2008 20:47	TCH
HEPTACHLOR	ND		0.0080	MG/L	8081	06/21/2008 20:47	TCH
LINDANE	0.00044	J	0.40	MG/L	8081	06/21/2008 20:47	TCH
METHOXYCHLOR	0.00052	J	10	MG/L	8081	06/21/2008 20:47	TCH
TOXAPHENE	ND		0.50	MG/L	8081	06/21/2008 20:47	TCH
SW8463 8151 - TCLP HERBICIDES							
2,4,5-TP(SILVEX)	ND		0.0020	MG/L	8151	06/26/2008 13:17	TCH

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Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SW8463 8151 - TCLP HERBICIDES							
2,4-DICHLOROPHENOXYCETIC ACID	ND		0.0020	MG/L	8151	06/26/2008 13:17	TCH
Metals Analysis							
ALUMINUM, TOTAL	9170		11.2	MG/KG	6010	06/14/2008 14:28	AH
ARSENIC, TOTAL	4.2		1.1	MG/KG	6010	06/14/2008 14:28	AH
BARIUM, TOTAL	63.1		2.2	MG/KG	6010	06/14/2008 14:28	AH
BERYLLIUM, TOTAL	ND		0.56	MG/KG	6010	06/14/2008 14:28	AH
CADMIUM, TOTAL	ND		0.56	MG/KG	6010	06/14/2008 14:28	AH
CALCIUM, TOTAL	18300		56.1	MG/KG	6010	06/14/2008 14:28	AH
CHROMIUM, TOTAL	14.4		1.1	MG/KG	6010	06/14/2008 14:28	AH
COBALT, TOTAL	8.1		5.6	MG/KG	6010	06/14/2008 14:28	AH
COPPER, TOTAL	19.0		2.2	MG/KG	6010	06/14/2008 14:28	AH
IRON, TOTAL	20000		11.2	MG/KG	6010	06/14/2008 14:28	AH
LEAD, TOTAL	20.8		0.56	MG/KG	6010	06/14/2008 14:28	AH
MAGNESIUM, TOTAL	3900		56.1	MG/KG	6010	06/14/2008 14:28	AH
MANGANESE,TOTAL	280		1.1	MG/KG	6010	06/14/2008 14:28	AH
MERCURY, TOTAL	0.053		0.0095	MG/KG	7471	06/16/2008 14:31	MM
NICKEL, TOTAL	15.6		4.5	MG/KG	6010	06/14/2008 14:28	AH
SELENIUM, TOTAL	ND		0.66	MG/KG	6010	06/14/2008 14:28	AH
SILVER, TOTAL	ND		1.1	MG/KG	6010	06/14/2008 14:28	AH
TOTAL ANTIMONY	ND		6.7	MG/KG	6010	06/14/2008 14:28	AH
TOTAL POTASSIUM	755		224	MG/KG	6010	06/14/2008 14:28	AH
TOTAL SODIUM	56.4		56.1	MG/KG	6010	06/14/2008 14:28	AH
TOTAL THALLIUM	ND		1.1	MG/KG	6010	06/14/2008 14:28	AH
TOTAL VANADIUM	23.0		5.6	MG/KG	6010	06/14/2008 14:28	AH
TOTAL ZINC	77.9		2.2	MG/KG	6010	06/14/2008 14:28	AH
TCLP Metals Analysis							
ARSENIC, TOTAL	ND		0.010	MG/L	6010	06/17/2008 22:36	AH
BARIUM, TOTAL	0.80		0.0020	MG/L	6010	06/17/2008 22:36	AH
CADMIUM, TOTAL	ND		0.0010	MG/L	6010	06/17/2008 22:36	AH
CHROMIUM, TOTAL	0.022		0.0040	MG/L	6010	06/17/2008 22:36	AH
LEAD, TOTAL	0.039		0.0050	MG/L	6010	06/17/2008 22:36	AH
MERCURY, TOTAL	ND		0.00020	MG/L	7470	06/16/2008 18:50	MM
SELENIUM, TOTAL	ND		0.015	MG/L	6010	06/17/2008 22:36	AH
SILVER, TOTAL	ND		0.0030	MG/L	6010	06/17/2008 22:36	AH
Wet Chemistry Analysis							
CORROSIVITY (pH)	7.20		0	S.U.	9045	06/12/2008 23:05	WM
CYANIDE, TOTAL	ND		1.1	UG/G	9012A	06/19/2008 13:34	ERK
H2S Released From Waste	ND		500	MG/KG	SECT7.3	06/12/2008 16:00	RLG
HCN Released From Waste	ND		250	MG/KG	SECT7.3	06/12/2008 16:00	RLG
IGNITABILITY			0	°F	1010	06/20/2008 15:30	RJP
TOTAL SOLIDS (% SOLIDS)	84.0		0	%	D2216-19	06/12/2008 11:05	JM

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Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-TRICHLOROETHANE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
1,1,2,2-TETRACHLOROETHANE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
1,1,2-TRICHLOROETHANE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
1,1-DICHLOROETHANE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
1,1-DICHLOROETHYLENE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
1,2 DICHLOROETHENE (TOTAL)	ND		1200	UG/KG	8260	06/19/2008 17:32	TRB
1,2-DICHLOROETHANE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
1,2-DICHLOROPROPANE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
2-HEXANONE	ND		3000	UG/KG	8260	06/19/2008 17:32	TRB
4-METHYL-2-PENTANONE	ND		3000	UG/KG	8260	06/19/2008 17:32	TRB
ACETONE	ND		3000	UG/KG	8260	06/19/2008 17:32	TRB
BENZENE	840	D	590	UG/KG	8260	06/19/2008 17:32	TRB
BROMOFORM	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
CARBON DISULFIDE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
CARBON TETRACHLORIDE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
CHLOROBENZENE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
CHLORODIBROMOMETHANE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
CHLOROETHANE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
CHLOROFORM	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
CHLOROMETHANE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
CIS-1,3-DICHLOROPROPENE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
DICHLOROBROMOMETHANE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
ETHYLBENZENE	6100	D	590	UG/KG	8260	06/19/2008 17:32	TRB
METHYL ETHYL KETONE	ND		3000	UG/KG	8260	06/19/2008 17:32	TRB
Methyl-t-Butyl Ether (MTBE)	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
METHYLBROMIDE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
METHYLENE CHLORIDE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
STYRENE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
TETRACHLOROETHENE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
TOLUENE	1800	D	590	UG/KG	8260	06/19/2008 17:32	TRB
TOTAL XYLENES	8800	D	1800	UG/KG	8260	06/19/2008 17:32	TRB
TRANS-1,3-DICHLOROPROPENE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
TRICHLOROETHENE	ND		590	UG/KG	8260	06/19/2008 17:32	TRB
VINYL ACETATE	ND		3000	UG/KG	8260	06/19/2008 17:32	TRB
VINYL CHLORIDE	ND		1200	UG/KG	8260	06/19/2008 17:32	TRB
SOIL-SW8463 8270 - TCL SVOA ORGANICS + PYRIDI							
1,2,4-TRICHLOROBENZENE	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
1,2-DICHLOROBENZENE	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
1,3-DICHLOROBENZENE	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
1,4-DICHLOROBENZENE	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
2,4,5-TRICHLOROPHENOL	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
2,4,6-TRICHLOROPHENOL	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
2,4-DICHLOROPHENOL	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
2,4-DIMETHYLPHENOL	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
2,4-DINITROPHENOL	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
2,4-DINITROTOLUENE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
2,6-DINITROTOLUENE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
2-CHLORONAPHTHALENE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD

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Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8270 - TCL SVOA ORGANICS + PYRIDI							
2-CHLOROPHENOL	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
2-METHYLNAPHTHALENE	68000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
2-METHYLPHENOL	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
2-NITROANILINE	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
2-NITROPHENOL	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
3,3'-DICHLOROBENZIDINE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
3-NITROANILINE	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
4,6-DINITRO-O-CRESOL	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
4-BROMOPHENYL PHENYL ETHER	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
4-CHLORO-3-METHYLPHENOL	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
4-CHLOROANILINE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
4-CHLOROPHENYL PHENYL ETHER	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
4-METHYLPHENOL	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
4-NITROANILINE	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
4-NITROPHENOL	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
ACENAPHTHENE	39000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
ACENAPHTHYLENE	47000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
ANTHRACENE	45000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
BENZO(A)ANTHRACENE	27000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
BENZO(A)PYRENE	21000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
BENZO(B)FLUORANTHENE	20000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
BENZO(GHI)PERYLENE	10000	DJ	20000	UG/KG	8270	06/25/2008 18:51	MD
BENZO(K)FLUORANTHENE	4900	DJ	20000	UG/KG	8270	06/25/2008 18:51	MD
BENZOIC ACID	ND		560000	UG/KG	8270	06/25/2008 18:51	MD
BENZYL ALCOHOL	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
BIS(2-CHLOROETHOXY)METHANE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
BIS(2-CHLOROETHYL)ETHER	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
BIS(2-CHLOROISOPROPYL)ETHER	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
BIS(2-ETHYLHEXYL)PHTHALATE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
BUTYL BENZYL PHTHALATE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
CHRYSENE	27000	BD	20000	UG/KG	8270	06/25/2008 18:51	MD
DI-N-BUTYL PHTHALATE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
DI-N-OCTYL PHTHALATE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
DIBENZO(A,H)ANTHRACENE	2400	DJ	20000	UG/KG	8270	06/25/2008 18:51	MD
DIBENZOFURAN	6700	DJ	20000	UG/KG	8270	06/25/2008 18:51	MD
DIETHYLPHTHALATE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
DIMETHYLPHTHALATE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
FLUORANTHENE	62000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
FLUORENE	56000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
HEXACHLORO-1,3-BUTADIENE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
HEXACHLOROBENZENE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
HEXACHLOROCYCLOPENTADIENE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
HEXACHLOROETHANE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
INDENO(1,2,3-CD)PYRENE	8100	DJ	20000	UG/KG	8270	06/25/2008 18:51	MD
ISOPHORONE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
N-NITROSODI-N-PROPYLAMINE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
N-NITROSODIPHENYLAMINE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
NAPHTHALENE	140000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
NITROBENZENE	ND		20000	UG/KG	8270	06/25/2008 18:51	MD

Sample ID: MCGPWS 08005
Lab Sample ID: A8670612DL
Date Collected: 06/09/2008
Time Collected: 11:00

Date Received: 06/11/2008
Project No: NY3A9052EP
Client No: L11252
Site No: NYSEG

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8270 - TCL SVOA ORGANICS + PYRIDI							
PENTACHLOROPHENOL	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
PHENANTHRENE	170000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
PHENOL	ND		20000	UG/KG	8270	06/25/2008 18:51	MD
PYRENE	82000	D	20000	UG/KG	8270	06/25/2008 18:51	MD
PYRIDINE	ND		39000	UG/KG	8270	06/25/2008 18:51	MD
Total Cresols	ND		78000	UG/KG	8270	06/25/2008 18:51	MD
Total PAH	830000	D	39000	UG/KG	8270	06/25/2008 18:51	MD

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Mr. Tracy Blazicek
Project Manager
NYSEG Corporation
18 Link Drive, PO Box 5224
Binghamton, New York 13902

July 30, 2008

Subject: Pre-Remediation Soil Sampling & Analysis
Former Mechanicville MGP Site (Central Avenue)
Mechanicville, New York (ET #94560.05)

Sent via Email

Dear Mr. Blazicek:

Earth Tech, Inc. is pleased to submit this letter summarizing the pre-remediation waste characterization sampling event that occurred at the Western Plant Area of the former Mechanicville manufactured gas plant (MGP) site in June 2008. The work was conducted in general accordance with the approved "Pre-Remediation In-Situ Sampling & Analysis Work Plan" prepared by Earth Tech for NYSEG Environmental Compliance and dated February 2008. As indicated in the work plan, the objective of the sampling event was to characterize approximately 10,000 cubic yards of coal tar-impacted soil at the subject site, located on Central Avenue in Mechanicville, New York.

Field Sampling Summary

Earth Tech and its contractor, Zebra Environmental Corporation (Zebra), mobilized to the site and installed a total of 26 soil borings between June 9th and 11th, 2008 using a track-mounted Geoprobe®. The 22 borings were completed as part of the original sampling plan, four additional borings were completed adjacent to the original locations in excavation area 3A in order to recollect soil for sample, MCGPWS08020, which had become saturated with meltwater during sampling. Samples were collected using a 2-inch diameter Macro-Core® sampler with disposable acetate liners. The borings were completed to characterize the soils in four areas. Soil boring locations are depicted on Figure 1. Soil borings were completed to the depths listed in Table 1 or until refusal was encountered. Characteristics of each sample (e.g., odor, highest PID reading, staining) were noted on field documentation by an Earth Tech geologist. Boring logs were completed and have been provided in Attachment A.

Samples were either composited from depth intervals within a single borehole or composited with adjacent boreholes from a given depth interval. Samples collected from Excavation areas 1, 2A, 2B, 3C, 3D and 4 were composited from depth intervals within individual boreholes to the proposed excavation depth (e.g., sample from area A1 was composited from a depth interval of 0-6-ft). Samples collected from Excavation areas 3A and 3B (located within the sheet piling area) were composited from adjacent boreholes within the area (or subarea) for given sample intervals (e.g., samples from the three boreholes were composited together to create samples from 0-4-ft, 4-8-ft, and 8-12-ft). The rationale was to characterize the soils by depth intervals, realizing that the deeper soils were likely more contaminated than the surface soils.

Description of soil and screening for the presence of VOCs was completed by cutting open the acetate liners containing the soils, placing the inlet of the PID near the soil and collecting readings at intervals of approximately 6 inches across the entire length of the sample, allowing for readings to stabilize at each interval while completing the soil description. Samples collected from a single borehole were obtained by placing the soil collected from the interval of interest into a vessel partially filled with ice, and lined with polyethylene sheeting. Once the entire volume of soil from the interval of interest had been placed into the vessel, it was mixed by hand until thoroughly homogenized, then placed into the laboratory supplied bottleware. Samples composited from multiple boreholes were obtained by first completing soil collection from each borehole to total depth, then combining the soil from each interval of interest as decribed above. In order to minimize any loss through volatilization while completing borings, caps were placed on the openings in the acetate liners until each group of borings was completed so that compositing could be completed.

Samples were shipped the day collected via FedEx to TestAmerica in Amherst, NY. Due to problems with FedEx, the samples collected and shipped on June 9th did not arrive to the laboratory until June 11th. The temperature of the samples upon receipt was measured at 10ºC, the upper temperature limit at which the laboratory accepts samples. These samples were then analyzed by TestAmerica with the receiving temperature noted on the lab data summary. No other discrepencies occurred during this sampling event.

Analytical Results

The analytical results are used to designate how the excavated sections of soil will be handled. As described in the approved workplan, excavated soils will be managed in accordance with the following categories:

- **Subsurface Fill** – Non-hazardous soil without visible evidence of staining and has been sampled *ex situ* and determined to have total polycyclic aromatic hydrocarbons (PAHs) concentrations below 500 ppm (Table 2 shows the list of individual PAHs included in the total).
- **Non-hazardous Waste** – Coal tar soil found not to exceed the toxicity characteristic leachate procedure (TCLP) limits or reactivity limits (Table 3 shows the limits) but have total PAHs concentrations exceeding 500 ppm.
- **Conditionally Exempt Manufactured Gas Plant Remediation Waste** – Material as defined per NYSDEC *Department of Environmental Remediation (DER) Program Policy DER-4, Management of Coal Tar Wastes and Coal Tar Contaminated Soils and Sediment from Former Manufactured Gas Plants*.
- **Hazardous Waste** - Coal tar soil found to exceed the TCLP limits (except for benzene) or reactivity limits.

All 22 samples were submitted for a complete suite of waste characterization analyses, as indicated in the Work Plan, which included the following:

- TCLP VOCs
- TCLP SVOCs
- TCLP Metals
- TCLP Pesticides/Herbicides
- VOCs
- SVOCs
- Metals (14)
- Total Petroleum Hydrocarbons (TPH) – Diesel Range Organics
- Total Cyanide
- Percent Sulfur
- Reactivity
- Total Polychlorinated Biphenyls (PCBs)
- Corrosivity (pH)
- Ignitability
- Percent Solids

As stated in the Work Plan, no Quality Assurance/Quality Control samples were collected during the waste characterization sampling. Analytical Results, summarized in Table 4, indicate that all soil can be classified as **Non-hazardous Waste** (note: total PAHs concentrations do not exceed 500 ppm in some instances, but previous *in situ* soil samples from these excavation areas have shown PAH concentrations greater than 500 ppm and therefore require removal).

Should you have any questions, please contact me at (518) 951-2200.

Yours sincerely,



Scott Underhill
Project Manager
scott.underhill@aecom.com

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Table 1
Sampling Area Breakdown

Location	Depth (Ft.)	Estimated Volume (Cu. Yds.)	# Sample Locations	Sample Compositing
1	6	500	1	One sample composited over depth from 0-6'.
2A	8	800	2	Two samples, each composited over depth from 0-8'.
2B	10	300	1	One sample composited over depth from 0-12.'
3A	20	6,000	12	3A divided into three subareas (3A1, 3A2, and 3A3) with each area containing four borehole samples. The four samples were then composited into four intervals: 0-4', 4-8', 8-12' and 12-20', so a single composite sample represents each sampling depth from each subarea.
3B	12	1,400	3	Three samples collected and composisted into three intervals: 0-4', 4-8' and 8-12', so a single composite sample represents each sampling depth from each subarea.
3C	8	300	1	One sample composited over depth from 0-8'.
3D	6	300	1	One sample composited over depth from 0-8'.
4	6	400	1	One sample composited over depth from 0-8'.
Total		10,000	22	

Table 2
Listing of Polycyclic Aromatic Hydrocarbons
Included in Total PAH Summation

Naphthalene
2-Methylnaphthalene
Acenaphthene
Acenaphthylene
Fluorene
Phenanthrene
Anthracene
Fluoranthene
Dibenzofuran
Pyrene
Benzo (A) Anthracene
Chrysene
Benzo (B) Fluoranthene
Benzo (K) Fluoranthene
Benzo (A) Pyrene
Indeno (1,2,3 CD) Pyrene
Dibenzo (A, H) Anthracene
Benzo (G, H, I) Perylene

Table 3
Hazardous Characteristic Regulatory Limits

TCLP Analyte	Regulatory Limit (mg/L)
Arsenic	5.0
Barium	100.0
Benzene	0.5
Cadmium	1.0
Carbon tetrachloride	0.5
Chlordane	0.03
Chlorobenzene	100.0
Chloroform	6.0
Chromium	5.0
Cresols (total of o, m, p)	200.0
2,4-D	10.0
1,4-Dichlorobenzene	7.5
1,2-Dichloroethane	0.5
1,1-Dichloroethylene	0.7
2,4-Dinitrotoluene	0.13
Endrin	0.02
Heptachlor	0.008
Hexachlorobenzene	0.13
Hexachlorobutadiene	0.5
Lead	5.0
Lindane	0.4
Mercury	0.2
Methoxychlor	10.0
Methyl ethyl ketone	200.0
Nitrobenzene	2.0
Pentachlorophenol	100.0
Pyridine	5.0
Selenium	1.0
Silver	5.0
Silvex	1.0
Tetrachloroethylene	0.7
Toxaphene	0.5
Trichloroethylene	0.5
2,4,5-Trichlorophenol	400.0
2,4,6-Trichlorophenol	2.0
Vinyl chloride	0.2
Other Analytes	**Regulatory Limits (units noted)**
Corrosivity (pH)	Non- Corrosive (pH must be >2 or <12.5)
Ignitability	Must be > 60 deg. C
% SOLIDS	Must be > 20%
PCBs (Total)	<50 mg/Kg

Table 4
Pre-Remediation Sample Results
Former Mechanicsville MGP Site
Mechanicsville, New York

Excavation Location:			Area 1		Area 2A				Area 2B		Area 3A1								Area 3A2							
			MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS	
Sample ID:			08010		08008		08009		12007		04011		08012		12013		20014		04015		08016		12017		20018	
Sample Depth (feet):	Disposal		8		8		8		12		4		8		12		20		4		8		12		20	
Date Collected:	Criteria	Units	6/9/08		6/9/08		6/9/08		6/9/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08	
VOCS																										
1,1,1-Trichloroethane	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
1,1,2,2-Tetrachloroethane	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
1,1,2-Trichloroethane	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
1,1-Dichloroethane	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
1,1-Dichloroethylene	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
1,2-Dichloroethane	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
1,2-Dichloropropane	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
2-Hexanone	NA	ug/kg	32	U	30	U	28	U	28	U	26	U	26	U	140	U	2900	U	26	U	26	U	140	U	130	U
4-Methyl-2-Pentanone	NA	ug/kg	32	U	30	U	28	U	28	U	26	U	26	U	140	U	2900	U	26	U	26	U	140	U	130	U
Acetone	NA	ug/kg	**370**		30	U	**93**		28	U	**12**	**J**	26	U	**52**	**J**	2900	U	26	U	26	U	**41**	**J**	**150**	
Benzene	NA	ug/kg	**4**	**J**	6	U	6	U	6	U	5	U	5	U	**120**		**4200**		5	U	5	U	27	U	**280**	
Bromoform	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Carbon disulfide	NA	ug/kg	**5**	**J**	6	U	**3**	**J**	6	U	5	U	5	U	**10**	**J**	580	U	5	U	5	U	27	U	27	U
Carbon tetrachloride	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Chlorobenzene	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Chlorodibromomethane	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Chloroethane	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Chloroform	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Chloromethane	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
1,2 Dichloroethene (total)	NA	ug/kg	13	U	12	U	11	U	11	U	10	U	10	U	57	U	1200	U	10	U	10	U	54	U	53	U
Cis-1,3-Dichloropropene	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Dichlorobromomethane	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Ethylbenzene	NA	ug/kg	**220**		6	U	**64**		6	U	**2**	**J**	5	U	**770**		**100000**	**D**	5	U	5	U	**70**		**1800**	**D**
Methyl ethyl ketone	NA	ug/kg	**42**		30	U	**12**	**J**	28	U	26	U	26	U	140	U	2900	U	26	U	26	U	140	U	130	U
Methylbromide	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Methylene chloride	NA	ug/kg	**11**	**B**	**12**	B	**17**	**B**	**7**	**B**	**13**	**B**	**5**	**B**	**76**	**B**	580	U	**13**	**B**	**16**	**B**	**81**	**B**	**80**	**B**
Methyl-t-Butyl Ether (MTBE)	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Styrene	NA	ug/kg	6	U	6	U	**130**		6	U	5	U	5	U	**300**		**580**	U	5	U	5	U	27	U	27	U
Tetrachloroethene	NA	ug/kg	6	U	**1**	**J**	6	U	6	U	**2**	**J**	5	U	**8**	**J**	580	U	5	U	5	U	27	U	27	U
Toluene	NA	ug/kg	**100**		6	U	**21**		6	U	5	U	**3**	**BJ**	**310**		**2500**		5	U	5	U	27	U	**16**	**BJ**
Total Xylenes	NA	ug/kg	**1700**	**D**	18	U	**280**		17	U	15	U	16	U	**1100**		**79000**		16	U	16	U	**58**	**J**	**1700**	
Trans-1,3-Dichloropropene	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Trichloroethene	NA	ug/kg	6	U	6	U	6	U	6	U	5	U	5	U	28	U	580	U	5	U	5	U	27	U	27	U
Vinyl Acetate	NA	ug/kg	32	U	30	U	28	U	28	U	26	U	26	U	140	U	2900	U	26	U	26	U	140	U	130	U
Vinyl Chloride	NA	ug/kg	13	U	12	U	11	U	11	U	10	U	10	U	57	U	1200	U	10	U	10	U	54	U	53	U
SVOCS																										
1,2,4-Trichlorobenzene	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
1,2-Dichlorobenzene	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
1,3-Dichlorobenzene	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
1,4-Dichlorobenzene	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
2,4,5-Trichlorophenol	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
2,4,6-Trichlorophenol	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
2,4-Dichlorophenol	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
2,4-Dimethylphenol	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
2,4-Dinitrophenol	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
2,4-Dinitrotoluene	NA	ug/kg	22000	U	1000	U	950	U	**660**	**J**	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
2,6-Dinitrotoluene	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
2-Chloronapthalene	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
2-Chlorophenol	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
2-Methylnaphthalene	NA	ug/kg	**1200000**	**D**	**170**	**J**	**13000**		**1200**	**J**	**28**	**J**	**44**	**J**	**6500**		**220000**	**D**	880	U	180	U	**3600**	**B**	**8800**	**B**

Table 4
Pre-Remediation Sample Results
Former Mechanicsville MGP Site
Mechanicsville, New York

Excavation Location:			Area 1		Area 2A				Area 2B		Area 3A1								Area 3A2							
Sample ID:			MCGPWS 08010		MCGPWS 08008		MCGPWS 08009		MCGPWS 12007		MCGPWS 04011		MCGPWS 08012		MCGPWS 12013		MCGPWS 20014		MCGPWS 04015		MCGPWS 08016		MCGPWS 12017		MCGPWS 20018	
Sample Depth (feet):	Disposal		8		8		8		12		4		8		12		20		4		8		12		20	
Date Collected:	Criteria	Units	6/9/08		6/9/08		6/9/08		6/9/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08	
2-Methylphenol	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
2-Nitroaniline	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
2-Nitrophenol	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
3,3'-Dichlorobenzidine	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
3-Nitroaniline	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
4,6-Dinitro-cresol	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
4-Bromophenyl phenyl ether	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
4-Chloro-3-Methylphenol	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
4-Chloroaniline	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
4-Chlorophenyl phenyl ether	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
4-Methylphenol	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
4-Nitroaniline	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
4-Nitrophenol	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
Acenapthene	NA	ug/kg	**18000**	**J**	**40**	**J**	**4900**		**480**	**J**	**15**	**J**	**26**	**J**	**2600**		**160000**	**D**	880	U	180	U	**5100**		**12000**	
Acenapthylene	NA	ug/kg	**28000**		**830**	**J**	**3200**		**14000**		180	U	**32**	**J**	**5600**		**20000**		880	U	180	U	**1000**		**1700**	J
Anthracene	NA	ug/kg	**5800**	**J**	**290**	**J**	**2600**		**3400**	**J**	**10**	**J**	**24**	**J**	**4000**		**65000**		880	U	180	U	**3000**		**5900**	
Benzo(a)anthracene	NA	ug/kg	**15000**	**J**	**520**	**J**	**1200**		**7800**		**15**	**J**	**47**	**J**	**2300**		**34000**		880	U	**8**	**J**	**1600**		**3200**	
Benzo(a)pyrene	NA	ug/kg	**2000**	**J**	**540**	**J**	**880**	**J**	**12000**		**12**	**J**	**44**	**J**	**1900**		**27000**		880	U	180	U	**1600**		**2900**	
Benzo(b)fluoranthene	NA	ug/kg	**7700**	**J**	**640**	**J**	**900**	**J**	**11000**		**10**	**J**	**41**	**J**	**1600**		**19000**		**40**	**J**	**9**	**J**	**1400**		**2700**	
Benzo(g,h,i)perylene	NA	ug/kg	**5000**	**J**	**920**	**J**	**460**	**J**	**14000**		**12**	**J**	**44**	**J**	**1200**		**12000**		880	U	180	U	**1200**		**1900**	
Benzo(k)fluoranthene	NA	ug/kg	**5700**	**J**	**210**	**J**	950	U	**4600**		180	U	**16**	**J**	**380**	**J**	**6800**		880	U	**24**	**J**	**920**	U	1900	U
Benzoic Acid	NA	ug/kg	620000	U	28000	U	27000	U	110000	U	4900	U	5100	U	28000	U	110000	U	25000	U	5000	U	26000	U	54000	U
Benzyl Alcohol	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
Bis(2-Chloroethoxy)methane	NA	ug/kg	**3400**	J	1000	U	950	U	3900	U	180	U	180	U	1000	U	**310**	**J**	880	U	180	U	920	U	1900	U
Bis(2-Chloroethyl)ether	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Bis(2-Chloroisopropyl)ether	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Bis(2-Ethylhexyl)phthalate	NA	ug/kg	22000	U	1000	U	950	U	3900	U	**91**	**J**	**460**		1000	U	4000	U	880	U	**200**		920	U	1900	U
Butyl benzyl phthalate	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Chrysene	NA	ug/kg	**18000**	**BJ**	**600**	**BJ**	**1200**	**B**	**7800**	**B**	**30**	**BJ**	**62**	**BJ**	**2100**	**B**	**26000**	**B**	**110**	**BJ**	**25**	**BJ**	**1400**	**B**	**2900**	**B**
Dibenzo(a,h)anthracene	NA	ug/kg	22000	U	**170**	**J**	**120**	**J**	**3200**	**J**	180	U	**9**	**J**	**250**	**J**	**2800**	**J**	880	U	180	U	**200**	**J**	**350**	**J**
Dibenzofuran	NA	ug/kg	**8300**	**J**	**40**	**J**	**1300**		**340**	**J**	180	U	180	U	**590**	**J**	**12000**		880	U	180	U	**460**	**J**	**850**	**J**
Diethylphthalate	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	**51**	**J**	**110**	**J**
Dimethylphthalate	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Di-n-butyl phthalate	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Di-n-octyl phthalate	NA	ug/kg	**970**	**J**	1000	U	950	U	3900	U	180	U	**24**	**J**	1000	U	4000	U	880	U	180	U	920	U	1900	U
Fluoranthene	NA	ug/kg	**39000**		**740**	**J**	**2700**		**8500**		**21**	**J**	**60**	**J**	**5500**		**71000**		880	U	**11**	**J**	**3600**		**7400**	
Fluorene	NA	ug/kg	**34000**		**84**	**J**	**3700**		**1100**	**J**	180	U	**16**	**J**	**4500**		**73000**		880	U	180	U	**2900**		**6200**	
Hexachloro-1,3-butadiene	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Hexachlorobenzene	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Hexachlorocyclopentadiene	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Hexachloroethane	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Indeno(1,2,3-cd)pyrene	NA	ug/kg	**4300**	**J**	**580**	**J**	**360**	**J**	**10000**		**8**	**J**	**35**	**J**	**850**	**J**	**8900**		880	U	180	U	**800**	**J**	**1400**	**J**
Isophorone	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Naphthalene	NA	ug/kg	**1900000**	**D**	**230**	**J**	**4800**		**1400**	**J**	**44**	**J**	**66**	**J**	**7400**		**270000**	**D**	880	U	**8**	**BJ**	**4200**	**B**	**11000**	**B**
Nitrobenzene	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
N-Nitrosodi-n-propylamine	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
N-Nitrosodiphenylamine	NA	ug/kg	**3800**	**J**	1000	U	950	U	3900	U	180	U	180	U	**250**	**J**	**5900**		880	U	180	U	920	U	1900	U
Pentachlorophenol	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	1900	U	7800	U	1700	U	340	U	1800	U	3700	U
Phenanthrene	NA	ug/kg	**120000**		**550**	J	**10000**		**2800**	**J**	**37**	**J**	**78**	**J**	**14000**		**210000**	**D**	**39**	**J**	**14**	**J**	**9800**		**20000**	
Phenol	NA	ug/kg	22000	U	1000	U	950	U	3900	U	180	U	180	U	1000	U	4000	U	880	U	180	U	920	U	1900	U
Pyrene	NA	ug/kg	**52000**		**1300**		**4200**		**17000**		**26**	**J**	**91**	**J**	**7600**		**96000**		**37**	**J**	**13**	J	**4900**		**9000**	

Table 4
Pre-Remediation Sample Results
Former Mechanicsville MGP Site
Mechanicsville, New York

Excavation Location:			Area 1		Area 2A				Area 2B		Area 3A1								Area 3A2							
			MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS	
Sample ID:			08010		08008		08009		12007		04011		08012		12013		20014		04015		08016		12017		20018	
Sample Depth (feet):	Disposal		8		8		8		12		4		8		12		20		4		8		12		20	
Date Collected:	Criteria	Units	6/9/08		6/9/08		6/9/08		6/9/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08	
Pyridine	NA	ug/kg	43000	U	1900	U	1800	U	7500	U	340	U	350	U	**63000**	**D**	7800	U	1700	U	340	U	1800	U	3700	U
Total Cresols	NA	ug/kg	85000	U	3900	U	3700	U	15000	U	680	U	700	U	3900	U	16000	U	3400	U	680	U	3600	U	7500	U
Total PAHs	500,000	ug/kg	**2300000**		**8400**		**42000**		**120000**		**240**	**J**	**740**		**69000**		**1100000**		**230**	**BJ**	**110**	**BJ**	**38000**	**B**	**98000**	**B**
Total SVOCs	NA	ug/kg	**3489170**		**8454**		**55520**		**121280**		**268**		**1219**		**132120**		**1339400**		**226**		**312**		**47731**		**100210**	
Metals																										
Aluminum, Total	NA	mg/kg	**8060**		**11600**		**9150**		**5040**		**7080**		**8590**		**10400**		**8940**		**8240**		**5920**		**7030**		**9310**	
Total Antimony	NA	mg/kg	8.2	U	7.2	U	6.9	U	6.8	U	6	U	6	U	6.9	U	7.3	U	6.7	U	6.5	U	6.2	U	6.8	U
Arsenic, Total	NA	mg/kg	**24.5**		**28.7**		**4.1**		**27.2**		**3.9**		**3.8**		**5.6**		**5.6**		**4**		**4.2**		**3.6**		**4.1**	
Barium, Total	NA	mg/kg	**112**		**82.6**		**50.1**		**151**		**61.4**		**46.9**		**73.2**		**74.2**		**44.1**		**59.6**		**38**		**54.1**	
Beryllium, Total	NA	mg/kg	0.68	U	**0.64**		0.57	U	0.56	U	0.5	U	0.5	U	0.58	U	0.61	U	0.56	U	0.54	U	0.52	U	0.56	U
Cadmium, Total	NA	mg/kg	**0.94**		0.6	U	0.57	U	**2**		0.5	U	0.5	U	0.58	U	0.61	U	0.56	U	0.54	U	0.52	U	0.56	U
Calcium, Total	NA	mg/kg	**7110**		**32200**		**17700**		**16100**		**15200**		**18700**		**29400**		**11000**		**16400**		**30600**		**16900**		**8090**	
Chromium, Total	NA	mg/kg	**28.6**		**17**		**12.6**		**10.5**		**8.8**		**13.6**		**13.9**		**13.5**		**11**		**9.8**		**9.8**		**13.8**	
Cobalt, Total	NA	mg/kg	**9.4**		**11.6**		**7.1**		**9.9**		**5.9**		**6.4**		**7.4**		**10.7**		**6.3**		**5.8**		**6.2**		**9.1**	
Copper, Total	NA	mg/kg	**76.2**		**33.7**		**31.5**		**1030**		**19.7**		**19.6**		**24.1**		**27.3**		**20**		**17.8**		**21**		**23**	
Iron, Total	NA	mg/kg	**54200**		**24500**		**19400**		**33300**		**16400**		**17400**		**17900**		**21900**		**17400**		**14500**		**16600**		**20800**	
Lead, Total	NA	mg/kg	**116**		**50.9**		**11.4**		**13700**		**8.5**		**14.2**		**45.6**		**24.6**		**13.4**		**10.4**		**8.1**		**16.2**	
Magnesium, Total	NA	mg/kg	**4120**		**5570**		**5800**		**3760**		**5380**		**6210**		**5960**		**4950**		**5860**		**4080**		**5090**		**4980**	
Manganese, Total	NA	mg/kg	**366**		**482**		**573**		**338**		**651**		**410**		**482**		**655**		**447**		**835**		**433**		**359**	
Mercury, Total	NA	mg/kg	**0.23**		**0.05**		**0.015**		**4.3**		**0.013**		**0.0089**	**U**	**0.024**		**0.037**		**0.012**		**0.013**		**0.048**		**0.049**	
Nickel, Total	NA	mg/kg	**29.8**		**26.2**		**18.2**		**26.4**		**12.8**		**15.4**		**16.9**		**24**		**14.8**		**12.2**		**14**		**21**	
Total Potassium	NA	mg/kg	**1040**		**1350**		**1120**		**728**		**928**		**1180**		**1710**		**1210**		**914**		**833**		**802**		**941**	
Selenium, Total	NA	mg/kg	**1.7**		0.7	U	0.67	U	**2.2**		0.6	U	0.59	U	0.68	U	0.72	U	0.66	U	0.64	U	0.62	U	0.66	U
Silver, Total	NA	mg/kg	1.4	U	1.2	U	1.1	U	1.1	U	1	U	1	U	1.2	U	1.2	U	1.1	U	1.1	U	1	U	1.1	U
Total Sodium	NA	mg/kg	**173**		**129**		**72.9**		**246**		**66.7**		**72.7**		**229**		**90.2**		**82.8**		54.4	U	**54.4**		**73.1**	
Total Thallium	NA	mg/kg	1.4	U	1.2	U	1.1	U	1.1	U	1	U	1	U	1.2	U	1.2	U	1.1	U	1.1	U	1	U	1.1	U
Total Vanadium	NA	mg/kg	**24.2**		**17.6**		**13.9**		**15.8**		**11.4**		**13.9**		**18.5**		**14.2**		**12.8**		**9.9**		**11**		**13.8**	
Total Zinc	NA	mg/kg	**140**		**133**		**52.7**		**1420**		**40.3**		**47.7**		**65.8**		**64.2**		**48.8**		**38.1**		**38.7**		**58.8**	
PCBs																										
Total PCBs	50	mg/kg	0.31	U	0.22	U	0.28	U	0.28	U	0.24	U	0.22	U	0.21	U	0.25	U	0.24	U	0.22	U	0.24	U	0.28	U
Wet Chemistry Analysis																										
Corrosivity (pH)	>2 or <12.5		**6.04**		**7.86**		**11.3**		**8.04**		**8.25**		**8.57**		**9.98**		**9.24**		**8.5**		**8.48**		**8.58**		**7.83**	
Cyanide, Total	NA	mg/kg	**33.5**		1.2	U	0.99	U	1.1	U	1	U	0.96	U	1	U	1.2	U	1	U	0.96	U	1.1	U	1.1	U
Ignitability - øF	>140 deg. F	øF	>176		>176		>176		>176		>176		>176		>176		>176		>176		>176		>176		>176	
H2S Released From Waste	NA	mg/kg	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U
HCN Released From Waste	NA	mg/kg	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U
Total Solids (% Solids)	>20%		**76.5**		**83.3**		**88.1**		**86.5**		**95.9**		**93.4**		**83.8**		**83.7**		**94.5**		**95.1**		**90.5**		**86.8**	
TCLP-Volatiles																										
1,1-Dichloroethylene	0.7	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
1,2-Dichloroethane	0.5	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Benzene	0.5	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.01**		**0.06**		0.01	U	0.01	U	0.01	U	**0.01**	
Carbon tetrachloride	0.5	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Chlorobenzene	100	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Chloroform	6.0	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Methyl ethyl ketone	200.0	mg/L	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Tetrachloroethene	0.7	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Trichloroethene	0.5	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Vinyl Chloride	0.2	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
TCLP-Base Neutral/Acid Extractables																										
1,4-Dichlorobenzene	7.5	mg/L	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U

Table 4
Pre-Remediation Sample Results
Former Mechanicsville MGP Site
Mechanicsville, New York

Excavation Location:			Area 1		Area 2A				Area 2B		Area 3A1								Area 3A2							
			MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS		MCGPWS	
Sample ID:			08010		08008		08009		12007		04011		08012		12013		20014		04015		08016		12017		20018	
Sample Depth (feet):	Disposal		8		8		8		12		4		8		12		20		4		8		12		20	
Date Collected:	Criteria	Units	6/9/08		6/9/08		6/9/08		6/9/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08		6/10/08	
2,4,5-Trichlorophenol	400.0	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
2,4,6-Trichlorophenol	2.0	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
2,4-Dinitrotoluene	0.13	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Hexachlorobenzene	0.13	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Hexachloro-1,3-butadiene	0.5	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Hexachloroethane	?	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Nitrobenzene	2.0	mg/L	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Pentachlorophenol	100.0	mg/L	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
Pyridine	5.0	mg/L	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Total Cresols	200.0	mg/L	**0.022**	**J**	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
TCLP Metals																										
Arsenic, Total	5.0	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
Barium, Total	100.0	mg/L	**0.48**		**1**		**0.5**		**1**		**0.35**		**0.42**		**0.39**		**0.82**		**0.47**		**0.44**		**0.43**		**0.65**	
Cadmium,Total	1.0	mg/L	**0.0028**		**0.003**		0.001	U	**0.034**		0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Chromium, Total	5.0	mg/L	**0.017**		**0.0067**		**0.012**		0.004	U	0.004	U	0.004	U	0.004	U	**0.0058**		**0.01**		**0.009**		0.004	U	**0.004**	
Lead, Total	5.0	mg/L	**0.12**		**0.033**		**0.012**		**0.56**		0.005	U	0.005	U	0.005	U	**0.016**		**0.022**		**0.0067**		0.005	U	**0.018**	
Mercury, Total	0.2	mg/L	0.0002	U	0.0002	U	0.0002	U	**0.00052**		0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U
Selenium, Total	1.0	mg/L	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U
Silver, Total	5.0	mg/L	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
TCLP-Herbicides																										
2,4,5-TP(Silvex)	1.0	mg/L	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U
2,4-Dichlorophenoxycetic acid	10.0	mg/L	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U
TCLP Pesticides																										
Chlordane	0.03	mg/L	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
Endrin	0.02	mg/L	0.02	U	**0.00008**	**J**	**0.00009**	**J**	0.02	U	0.02	U	0.02	U	**0.00006**	**J**	**0.0002**	**J**	0.02	U	0.02	U	0.02	U	**0.00009**	**J**
Heptachlor	0.008	mg/L	**0.0016**	**J**	0.008	U	**0.00003**	**J**	0.008	U	0.008	U	0.008	U	**0.00003**	**J**	0.008	U	0.008	U	0.008	U	**0.00006**	**J**	0.008	U
Lindane	0.4	mg/L	**0.0019**	**J**	0.4	U	**0.00004**	**J**	0.4	U	0.4	U	0.4	U	**0.00004**	**J**	**0.00088**	**J**	0.4	U	0.4	U	0.4	U	**0.00024**	**J**
Methoxychlor	10.0	mg/L	10	U	10	U	10	U	10	U	10	U	10	U	10	U	**0.00017**	**J**	10	U	10	U	10	U	10	U
Toxaphene	0.5	mg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Diesel Range Organics	NA	mg/kg	**23000**		110	U	**540**		110	U	95	U	100	U	**250**		**5000**		93	U	100	U	**250**		**240**	

Notes:
ug/kg = micrograms per kilogram [parts per billion (ppb)]
mg/kg = milligrams per kilogram [parts per million (ppm)]
mg/L = milligrams per liter
øF = degrees Fahrenheit
U = Not detected above method detection limit
B = Compound detected in laboratory method blank
J = Estimated concentration
D = Concentration determined by dilution
NA = Not Applicable

Table 4
Pre-Remediation Sample Results
Former Mechanicsville MGP Site
Mechanicsville, New York

Excavation Location:			Area 3A3								Area 3B								Area 3C		Area 3D		Area 4	
Sample ID:			MCGPWS 04019		MCGPWS080 20		MCGPWS 12021		MCGPWS 20022		MCGPWS 04001		MCGPWS 08002		MCGPWS 12003				MCGPWS 08006		MCGPWS 08005		MCGPWS 08004	
Sample Depth (feet):	Disposal		4		8		12		20		4		8		12				8		8		8	
Date Collected:	Criteria	Units	6/10/08		6/11/08		6/10/08		6/10/08		6/9/08		6/9/08		6/9/08				6/9/08		6/9/08		6/9/08	
VOCS																								
1,1,1-Trichloroethane	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
1,1,2,2-Tetrachloroethane	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
1,1,2-Trichloroethane	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
1,1-Dichloroethane	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
1,1-Dichloroethylene	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
1,2-Dichloroethane	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
1,2-Dichloropropane	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
2-Hexanone	NA	ug/kg	26	U	26	U	130	U	2900	U	29	U	30	U	120	U			29	U	29	U	26	U
4-Methyl-2-Pentanone	NA	ug/kg	26	U	26	U	130	U	2900	U	29	U	30	U	120	U			29	U	29	U	26	U
Acetone	NA	ug/kg	26	U	**10**	**BJ**	**150**	**B**	2900	U	29	U	**41**		**97**	**J**			**64**		**34**		26	U
Benzene	NA	ug/kg	5	U	5	U	**180**		**3700**		6	U	**41**		**260**				**72**		**640**	**D**	5	U
Bromoform	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Carbon disulfide	NA	ug/kg	5	U	5	U	**20**	**J**	570	U	6	U	6	U	**6**	**J**			**2**	**J**	**1**	**J**	5	U
Carbon tetrachloride	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Chlorobenzene	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Chlorodibromomethane	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Chloroethane	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Chloroform	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Chloromethane	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
1,2 Dichloroethene (total)	NA	ug/kg	10	U	11	U	54	U	1100	U	11	U	12	U	49	U			12	U	12	U	10	U
Cis-1,3-Dichloropropene	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Dichlorobromomethane	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Ethylbenzene	NA	ug/kg	5	U	5	U	**3800**	**D**	**13000**		**1**	**J**	**270**	**D**	**2100**	**D**			**640**	**D**	**710**	**D**	5	U
Methyl ethyl ketone	NA	ug/kg	26	U	26	U	130	U	2900	U	29	U	**12**	**J**	120	U			**11**	**J**	**12**	**J**	26	U
Methylbromide	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Methylene chloride	NA	ug/kg	**16**	**B**	**17**	**B**	**85**	**B**	570	U	**9**	**B**	**11**	**B**	**65**	**B**			**12**	**B**	**14**	**B**	**12**	**B**
Methyl-t-Butyl Ether (MTBE)	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Styrene	NA	ug/kg	5	U	5	U	27	U	**12000**		6	U	6	U	25	U			6	U	6	U	5	U
Tetrachloroethene	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Toluene	NA	ug/kg	5	U	5	U	**260**		**9200**		6	U	**15**		**66**				**49**		**540**	**D**	5	U
Total Xylenes	NA	ug/kg	16	U	16	U	**3900**	**D**	**20000**		17	U	**200**		**1500**				**690**		**1100**	**D**	16	U
Trans-1,3-Dichloropropene	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Trichloroethene	NA	ug/kg	5	U	5	U	27	U	570	U	6	U	6	U	25	U			6	U	6	U	5	U
Vinyl Acetate	NA	ug/kg	26	U	26	U	130	U	2900	U	29	U	30	U	120	U			29	U	29	U	26	U
Vinyl Chloride	NA	ug/kg	10	U	11	U	54	U	1100	U	11	U	12	U	49	U			12	U	12	U	10	U
SVOCS																								
1,2,4-Trichlorobenzene	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
1,2-Dichlorobenzene	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
1,3-Dichlorobenzene	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
1,4-Dichlorobenzene	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
2,4,5-Trichlorophenol	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
2,4,6-Trichlorophenol	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
2,4-Dichlorophenol	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
2,4-Dimethylphenol	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
2,4-Dinitrophenol	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	**8000**		340	U
2,4-Dinitrotoluene	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
2,6-Dinitrotoluene	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	**380**	**J**			4100	U	4000	U	180	U
2-Chloronapthalene	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
2-Chlorophenol	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
2-Methylnaphthalene	NA	ug/kg	**17**	**BJ**	180	U	**16000**	**B**	**97000**	**BD**	**2800**	**J**	**1100**	**J**	**4800**				**52000**		**64000**		**30**	**J**

Table 4
Pre-Remediation Sample Results
Former Mechanicsville MGP Site
Mechanicsville, New York

Excavation Location:			Area 3A3								Area 3B								Area 3C		Area 3D		Area 4	
Sample ID:			MCGPWS 04019		MCGPWS080 20		MCGPWS 12021		MCGPWS 20022		MCGPWS 04001		MCGPWS 08002		MCGPWS 12003				MCGPWS 08006		MCGPWS 08005		MCGPWS 08004	
Sample Depth (feet):	Disposal		4		8		12		20		4		8		12				8		8		8	
Date Collected:	Criteria	Units	6/10/08		6/11/08		6/10/08		6/10/08		6/9/08		6/9/08		6/9/08				6/9/08		6/9/08		6/9/08	
2-Methylphenol	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
2-Nitroaniline	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
2-Nitrophenol	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
3,3'-Dichlorobenzidine	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
3-Nitroaniline	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
4,6-Dinitro-cresol	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
4-Bromophenyl phenyl ether	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
4-Chloro-3-Methylphenol	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
4-Chloroaniline	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
4-Chlorophenyl phenyl ether	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
4-Methylphenol	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
4-Nitroaniline	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
4-Nitrophenol	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
Acenapthene	NA	ug/kg	**8**	**J**	180	U	**30000**		**41000**		**4400**		**2200**		**11000**				**46000**		**35000**		180	U
Acenapthylene	NA	ug/kg	**89**	**J**	**9**	**J**	**6400**		**46000**		**14000**		**2300**		**3500**				**16000**		**41000**		**72**	**J**
Anthracene	NA	ug/kg	**16**	**J**	180	U	**15000**		**33000**		**13000**		**2700**		**7000**				**28000**		**42000**		**15**	**J**
Benzo(a)anthracene	NA	ug/kg	**25**	**J**	**14**	**J**	**8100**		**15000**		**31000**		**3400**		**5000**				**20000**		**27000**		180	U
Benzo(a)pyrene	NA	ug/kg	**71**	**J**	**12**	**J**	**7300**		**14000**		**29000**		**3100**		**4100**				**20000**		**19000**		**43**	**J**
Benzo(b)fluoranthene	NA	ug/kg	**56**	**J**	**15**	**J**	**6500**		**12000**		**33000**		**3100**		**3800**				**15000**		**17000**		**42**	**J**
Benzo(g,h,i)perylene	NA	ug/kg	**120**	**J**	**12**	**J**	**4300**		**6500**		**29000**		**1800**	**J**	**1900**				**15000**		**13000**		**92**	**J**
Benzo(k)fluoranthene	NA	ug/kg	180	U	180	U	1800	U	2000	U	**10000**		**750**	**J**	**1100**				**6600**		**4700**		**14**	**J**
Benzoic Acid	NA	ug/kg	5100	U	5200	U	50000	U	56000	U	110000	U	56000	U	28000	U			120000	U	110000	U	5000	U
Benzyl Alcohol	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
Bis(2-Chloroethoxy)methane	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Bis(2-Chloroethyl)ether	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Bis(2-Chloroisopropyl)ether	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Bis(2-Ethylhexyl)phthalate	NA	ug/kg	**68**	**J**	**67**	**J**	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	**110**	**J**
Butyl benzyl phthalate	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Chrysene	NA	ug/kg	**44**	**BJ**	**31**	**BJ**	**6400**	**B**	**13000**	**B**	**31000**	**B**	**3600**	**B**	**4900**	**B**			**19000**	**B**	**24000**	**B**	**41**	**BJ**
Dibenzo(a,h)anthracene	NA	ug/kg	**16**	**J**	180	U	**870**	**J**	**1400**	**J**	**6200**		**430**	**J**	**470**	**J**			**3000**	**J**	**2300**	**J**	**16**	**J**
Dibenzofuran	NA	ug/kg	180	U	180	U	**2600**		**6600**		**1600**	**J**	**280**	**J**	**1000**				**4000**	**J**	**6400**		180	U
Diethylphthalate	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Dimethylphthalate	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Di-n-butyl phthalate	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Di-n-octyl phthalate	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Fluoranthene	NA	ug/kg	**25**	**J**	**19**	**J**	**18000**		**38000**		**55000**		**6600**		**11000**				**39000**		**58000**		**27**	**J**
Fluorene	NA	ug/kg	**10**	**J**	180	U	**16000**		**38000**		**6300**		**2200**		**7100**				**26000**		**51000**		180	U
Hexachloro-1,3-butadiene	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Hexachlorobenzene	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Hexachlorocyclopentadiene	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Hexachloroethane	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Indeno(1,2,3-cd)pyrene	NA	ug/kg	**76**	**J**	180	U	**3300**		**5200**		**20000**		**1400**	**J**	**1500**				**11000**		**9500**		**59**	**J**
Isophorone	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	**320**	**J**	180	U
Naphthalene	NA	ug/kg	**28**	**BJ**	**13**	**J**	**26000**	**B**	**130000**	**BD**	**2600**	**J**	**3500**		**11000**				**55000**		**120000**		**58**	**J**
Nitrobenzene	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
N-Nitrosodi-n-propylamine	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
N-Nitrosodiphenylamine	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	**770**	**J**			**3500**	**J**	**3000**	**J**	180	U
Pentachlorophenol	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U			8000	U	7800	U	340	U
Phenanthrene	NA	ug/kg	**18**	**J**	**38**	**J**	**46000**		**96000**	**D**	**38000**		**8600**		**22000**				**83000**		**150000**	**D**	**16**	**J**
Phenol	NA	ug/kg	180	U	180	U	1800	U	2000	U	4000	U	2000	U	990	U			4100	U	4000	U	180	U
Pyrene	NA	ug/kg	**38**	**J**	**30**	**J**	**21000**		**41000**		**55000**		**7800**		**13000**				**62000**		**86000**		**53**	**J**

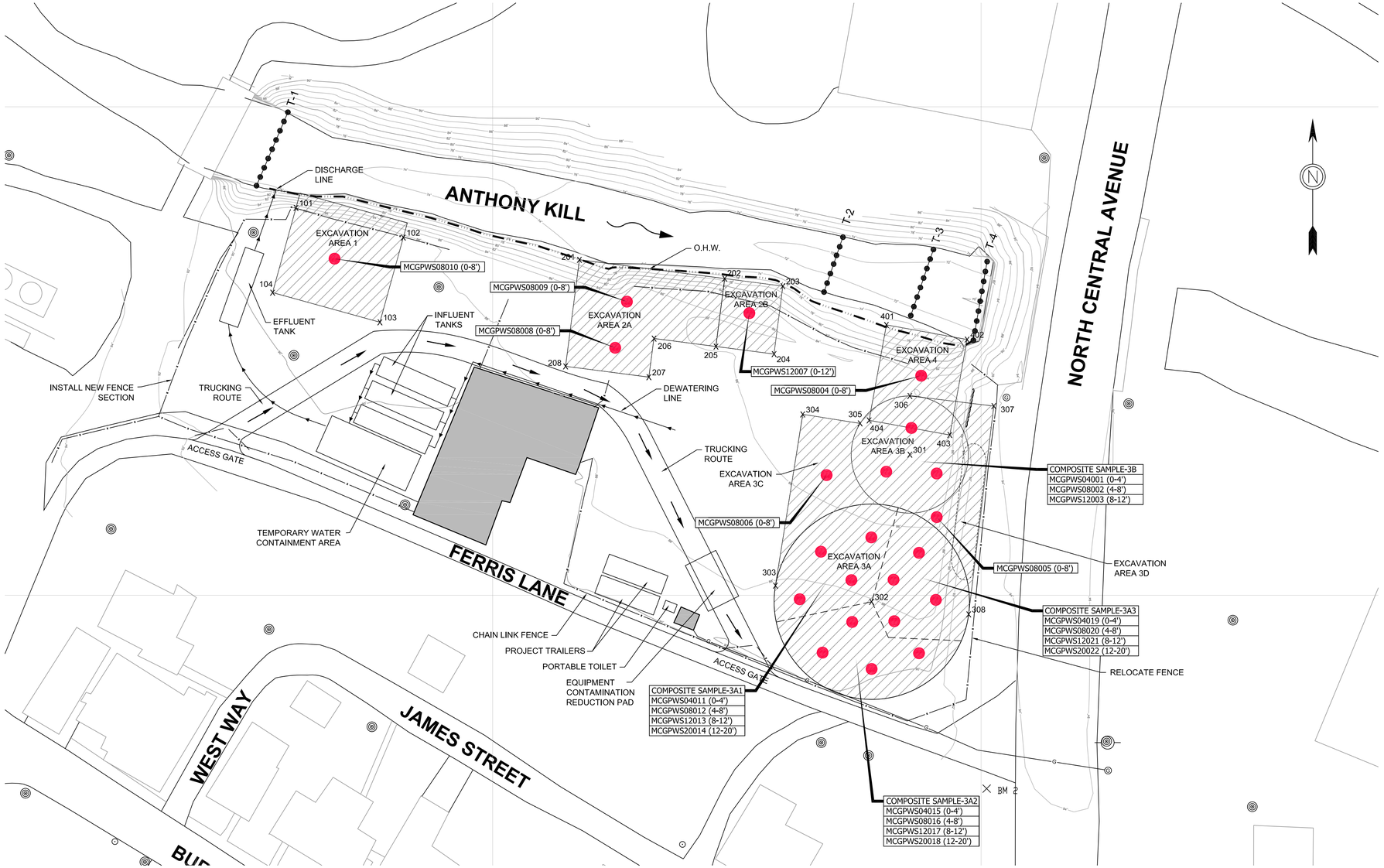
Table 4
Pre-Remediation Sample Results
Former Mechanicsville MGP Site
Mechanicsville, New York

Excavation Location:			Area 3A3								Area 3B								Area 3C		Area 3D		Area 4	
Sample ID:			MCGPWS 04019		MCGPWS080 20		MCGPWS 12021		MCGPWS 20022		MCGPWS 04001		MCGPWS 08002		MCGPWS 12003				MCGPWS 08006		MCGPWS 08005		MCGPWS 08004	
Sample Depth (feet):	Disposal		4		8		12		20		4		8		12				8		8		8	
Date Collected:	Criteria	Units	6/10/08		6/11/08		6/10/08		6/10/08		6/9/08		6/9/08		6/9/08				6/9/08		6/9/08		6/9/08	
Pyridine	NA	ug/kg	350	U	360	U	3500	U	3800	U	7700	U	3900	U	1900	U	8000	U	**5000**	**J**	340	U		
Total Cresols	NA	ug/kg	700	U	710	U	6900	U	7700	U	15000	U	7700	U	3900	U	16000	U	16000	U	680	U		
Total PAHs	500,000	ug/kg	**650**	**B**	**190**	**J**	**230000**	**B**	**630000**	**B**	**380000**		**53000**		**110000**		**500000**		**770000**		**580**			
Total SVOCs	NA	ug/kg	**725**		**440**		**235570**		**635700**		**381900**		**54860**		**115320**		**528200**		**786220**		**1268**			
Metals																								
Aluminum, Total	NA	mg/kg	**7620**		**7340**		**7320**		**10800**		**7600**		**10800**		**8730**		**8160**		**9170**		**7480**			
Total Antimony	NA	mg/kg	6.3	U	6.8	U	6.5	U	6.6	U	6.6	U	8	U	6.8	U	7.1	U	6.7	U	6.6	U		
Arsenic, Total	NA	mg/kg	**5**		**2.8**		**3.5**		**7.9**		**9.4**		**5.8**		**5.5**		**5.2**		**4.2**		**4.7**			
Barium, Total	NA	mg/kg	**64.5**		**46.1**		**39.2**		**78.6**		**97.6**		**90.4**		**63.8**		**51.9**		**63.1**		**44.2**			
Beryllium, Total	NA	mg/kg	0.53	U	0.57	U	0.54	U	0.55	U	0.55	U	0.67	U	0.56	U	0.59	U	0.56	U	0.55	U		
Cadmium, Total	NA	mg/kg	0.53	U	0.57	U	0.54	U	0.55	U	**0.69**		**0.73**		0.56	U	0.59	U	0.56	U	0.55	U		
Calcium, Total	NA	mg/kg	**38700**		**11300**		**13000**		**10100**		**12600**		**10100**		**8100**		**12700**		**18300**		**14400**			
Chromium, Total	NA	mg/kg	**9.7**		**20.6**		**10**		**15.2**		**14.7**		**19.8**		**14.4**		**11.6**		**14.4**		**10.7**			
Cobalt, Total	NA	mg/kg	**7.3**		**7.2**		**5.6**		**8.3**		**7.1**		**10.1**		**8.3**		**8.8**		**8.1**		**6.9**			
Copper, Total	NA	mg/kg	**19.9**		**16.1**		**16.3**		**32.1**		**64.2**		**42.3**		**28.1**		**30.1**		**19**		**17.9**			
Iron, Total	NA	mg/kg	**17600**		**15800**		**15100**		**27600**		**21000**		**23300**		**18200**		**18300**		**20000**		**18200**			
Lead, Total	NA	mg/kg	**11.9**		**12**		**15.6**		**13.6**		**83.6**		**69.3**		**32.3**		**75**		**20.8**		**9.9**			
Magnesium, Total	NA	mg/kg	**5350**		**5500**		**4530**		**5100**		**4520**		**4650**		**3960**		**5280**		**3900**		**6150**			
Manganese, Total	NA	mg/kg	**810**		**370**		**358**		**504**		**422**		**415**		**344**		**501**		**280**		**534**			
Mercury, Total	NA	mg/kg	**0.021**		**0.014**		**0.14**		**0.029**		**0.16**		**0.097**		**0.053**		**0.12**		**0.053**		**0.011**			
Nickel, Total	NA	mg/kg	**15.9**		**19**		**13.4**		**24**		**15.2**		**22.5**		**19**		**17.6**		**15.6**		**14.3**			
Total Potassium	NA	mg/kg	**848**		**930**		**940**		**1140**		**1000**		**1070**		**1040**		**1050**		**755**		**936**			
Selenium, Total	NA	mg/kg	0.62	U	0.67	U	0.64	U	0.65	U	0.65	U	0.79	U	0.67	U	0.7	U	0.66	U	0.65	U		
Silver, Total	NA	mg/kg	1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.2	U	1.1	U	1.1	U		
Total Sodium	NA	mg/kg	**66.7**		**70.3**		**74.8**		**77.7**		**103**		**94.6**		**98.9**		**92.8**		**56.4**		**71.2**			
Total Thallium	NA	mg/kg	1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.3	U	1.1	U	1.2	U	1.1	U	1.1	U		
Total Vanadium	NA	mg/kg	**12.4**		**14.3**		**11.6**		**18.1**		**36.1**		**18.6**		**16.4**		**13.6**		**23**		**12.2**			
Total Zinc	NA	mg/kg	**44.1**		**40.1**		**40.6**		**57.2**		**256**		**188**		**132**		**65.4**		**77.9**		**46.1**			
PCBs																								
Total PCBs	50	mg/kg	0.22	U	0.24	U	0.22	U	0.26	U	0.28	U	0.27	U	0.21	U	0.28	U	0.29	U	0.23	U		
Wet Chemistry Analysis																								
Corrosivity (pH)	>2 or <12.5		**8.11**		**8.19**		**8.6**		**9.06**		**7.75**		**7.4**		**7.46**		**7.96**		**7.2**		**8.49**			
Cyanide, Total	NA	mg/kg	1	U	0.7	U	0.98	U	1.1	U	**2.1**		**4**		**4.2**		1	U	1.1	U	0.88	U		
Ignitability - øF	>140 deg. F	øF	>176.0		>176.0		>176.0		>176.0		>176		>176		>176		>176							
H2S Released From Waste	NA	mg/kg	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U	500	U		
HCN Released From Waste	NA	mg/kg	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U	250	U		
Total Solids (% Solids)	>20%		**91.3**		**90.9**		**93.3**		**84.2**		**83.6**		**82.9**		**84.5**		**81.9**		**84**		**95.3**			
TCLP-Volatiles																								
1,1-Dichloroethylene	0.7	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
1,2-Dichloroethane	0.5	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Benzene	0.5	mg/L	0.01	U	0.01	U	**0.02**		**0.1**		0.01	U	0.01	U	**0.004**	**J**	**0.006**	**J**	**0.01**		0.01	U		
Carbon tetrachloride	0.5	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Chlorobenzene	100	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Chloroform	6.0	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Methyl ethyl ketone	200.0	mg/L	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U		
Tetrachloroethene	0.7	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Trichloroethene	0.5	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
Vinyl Chloride	0.2	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U		
TCLP-Base Neutral/Acid Extractables																								
1,4-Dichlorobenzene	7.5	mg/L	0.04	U	0.02	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U		

Table 4
Pre-Remediation Sample Results
Former Mechanicsville MGP Site
Mechanicsville, New York

Excavation Location:			Area 3A3								Area 3B								Area 3C		Area 3D		Area 4	
Sample ID:			MCGPWS 04019		MCGPWS080 20		MCGPWS 12021		MCGPWS 20022		MCGPWS 04001		MCGPWS 08002		MCGPWS 12003				MCGPWS 08006		MCGPWS 08005		MCGPWS 08004	
Sample Depth (feet):	Disposal		4		8		12		20		4		8		12				8		8		8	
Date Collected:	Criteria	Units	6/10/08		6/11/08		6/10/08		6/10/08		6/9/08		6/9/08		6/9/08				6/9/08		6/9/08		6/9/08	
2,4,5-Trichlorophenol	400.0	mg/L	0.02	U	0.01	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U			0.02	U	0.02	U	0.02	U
2,4,6-Trichlorophenol	2.0	mg/L	0.02	U	0.01	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U			0.02	U	0.02	U	0.02	U
2,4-Dinitrotoluene	0.13	mg/L	0.02	U	0.01	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U			0.02	U	0.02	U	0.02	U
Hexachlorobenzene	0.13	mg/L	0.02	U	0.01	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U			0.02	U	0.02	U	0.02	U
Hexachloro-1,3-butadiene	0.5	mg/L	0.02	U	0.01	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U			0.02	U	0.02	U	0.02	U
Hexachloroethane	?	mg/L	0.02	U	0.01	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U			0.02	U	0.02	U	0.02	U
Nitrobenzene	2.0	mg/L	0.02	U	0.01	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U			0.02	U	0.02	U	0.02	U
Pentachlorophenol	100.0	mg/L	0.04	U	0.02	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U			0.04	U	0.04	U	0.04	U
Pyridine	5.0	mg/L	0.1	U	0.05	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U			0.1	U	0.1	U	0.1	U
Total Cresols	200.0	mg/L	0.08	U	0.04	U	0.08	U	0.011	J	0.08	U	0.08	U	0.08	U			0.08	U	0.08	U	0.08	U
TCLP Metals																								
Arsenic, Total	5.0	mg/L	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	**0.013**				0.01	U	0.01	U	**0.018**	
Barium, Total	100.0	mg/L	**0.4**		**0.44**		**0.55**		**1.1**		**0.65**		**0.82**		**1.2**				**0.62**		**0.8**		**0.61**	
Cadmium,Total	1.0	mg/L	0.001	U	0.001	U	0.001	U	0.001	U	**0.0049**		**0.0035**		**0.0011**				**0.0011**		0.001	U	**0.0013**	
Chromium, Total	5.0	mg/L	0.004	U	0.004	U	0.004	U	0.004	U	**0.0078**		**0.0058**		**0.03**				**0.014**		**0.022**		**0.042**	
Lead, Total	5.0	mg/L	0.005	U	**0.0094**		**0.016**		0.005	U	**0.044**		**0.073**		**0.06**				**0.28**		**0.039**		**0.042**	
Mercury, Total	0.2	mg/L	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U			0.0002	U	0.0002	U	0.0002	U
Selenium, Total	1.0	mg/L	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U	0.015	U			0.015	U	0.015	U	0.015	U
Silver, Total	5.0	mg/L	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U			0.003	U	0.003	U	0.003	U
TCLP-Herbicides																								
2,4,5-TP(Silvex)	1.0	mg/L	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U			0.002	U	0.002	U	0.002	U
2,4-Dichlorophenoxycetic acid	10.0	mg/L	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U	0.002	U			0.002	U	0.002	U	0.002	U
TCLP Pesticides																								
Chlordane	0.03	mg/L	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U			0.03	U	0.03	U	0.03	U
Endrin	0.02	mg/L	0.02	U	0.02	U	**0.00013**	**J**	**0.00009**	**J**	0.02	U	0.02	U	**0.00006**	**J**			**0.0001**	**J**	**0.00022**	**J**	0.02	U
Heptachlor	0.008	mg/L	0.008	U	0.008	U	0.008	U	0.008	U	0.008	U	0.008	U	0.008	U			0.008	U	0.008	U	0.008	U
Lindane	0.4	mg/L	0.4	U	0.4	U	**0.00038**	**J**	**0.00019**	**J**	0.4	U	**0.00005**	**J**	**0.00025**	**J**			**0.00043**	**J**	**0.00044**	**J**	0.4	U
Methoxychlor	10.0	mg/L	10	U	10	U	10	U	**0.00032**	**J**	10	U	10	U	10	U			10	U	**0.00052**	**J**	10	U
Toxaphene	0.5	mg/L	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U			0.5	U	0.5	U	0.5	U
Diesel Range Organics	NA	mg/kg	100	U	100	U	**3800**		**3300**		**430**		**140**		**710**				**2900**		**1500**		90	U

Notes:
ug/kg = micrograms per kilogram [parts per billion (ppb)
mg/kg = milligrams per kilogram [parts per million (ppm)
mg/L = milligrams per liter
øF = degrees Fahrenheit
U = Not detected above method detection limit
B = Compound detected in laboratory method blank
J = Estimated concentration
D = Concentration determined by dilution
NA = Not Applicable



LEGEND

- LIMITS OF EXCAVATION
- x101 EXCAVATION STAKEOUT POINT
- EXISTING STRUCTURES (To Remain)
- MCGPWS08004 (0-8') SAMPLE LOCATION

0' 15' 30' 60'
SCALE

Area	Sample Type
1	One sample composited over depth from 0-6'.
2A	Two samples, each composited over depth from 0-8'.
2B	One sample composited over depth from 0-12'.
3A	3A divided into three subareas (3A1, 3A2, and 3A3) with each area containing four borehole samples. The four samples were then composited into four intervals: 0-4', 4-8', 8-12' and 12-20', so a single composite sample represents each sampling depth from each subarea.
3B	Three samples collected and composisted into three intervals: 0-4', 4-8' and 8-12', so a single composite sample represents each sampling depth from each subarea.
3C	One sample composited over depth from 0-8'.
3D	One sample composited over depth from 0-8'.
4	One sample composited over depth from 0-8'.

NO	REVISIONS	DRN	CHK	DATE

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Latham, NY
518-951-2200

DRN	KAM
DES	CHF
CHK	SAU
APP	CHF

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NYSEG
DRAFT REMEDIAL DESIGN FOR MECHANICVILLE
MGP SITE, MECHANICVILLE, NEW YORK

PRE-REMEDIATION IN SITU SAMPLE LOCATIONS

DATE	JULY 2008
PROJECT NO	94560
FILENAME	94560_NYSEG.DWG
SHEET NO	FIG-1
DRAWING NO	FIGURE 1

FILE = L:\WORK\94560\CADD\JAN-2008\94560_NYSEG-2008.DWG PLOT: 7/18/2008

Attachment A

Borehole Logs

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BOREHOLE LOG

BORING ID #: **101**

START DATE: 06/09/08 END DATE: 06/09/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **10'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 1**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **10'**
WEATHER CONDITIONS: **95°F, Sunny**
ELEVATION AND DATUM:

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC

SAMPLER: 5'
RIG TYPE: **Geoprobe**

FIELD SAMPLE INFORMATION

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0			0.0			none		
			0.0					
2.0		4'	2.4	Tar odor		none		
			3.6					
4.0			2.2	Tar odor		none		
	MCGPWS08010		3.8					
6.0		4'	5.8	Tar odor	See notes	none	Bk $ & C, s c G	
8.0			6.4	Tar odor				
10.0								
12.0								
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **102**

START DATE: 06/09/08 END DATE: 06/09/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **10'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 2A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **10'**
WEATHER CONDITIONS: **94°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0			0.0	none		Black stains		
2.0		4'	0.5	none	see notes	Black stains	Bk fm(+)c(-) S, t $	
4.0			0.0	none		Black stains		
6.0	MCGPWS08009	4'	1.5	none	seenotes	Black stains	Bk fm(+)c(-) S, s $	
8.0			1.5					
10.0								
12.0								
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **103**

START DATE: 06/09/08 END DATE: 06/09/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **8'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 2A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **8'**
WEATHER CONDITIONS: **94°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0		4'	0.0	none		Black stains		
			0.0					
2.0			0.0	none		Black stains	Bk $, s fm S	
			0.0					
4.0			0.0	none		Black stains		
			0.0					
6.0	MCGPWS08008	4'	0.0	none	See notes	Black stains	Brn fm S, s $	
			0.0					
8.0			0.0	none				
			0.0					
10.0								
12.0								
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **104**

START DATE: 06/09/08 END DATE: 06/09/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **15'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 2B**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **15'**
WEATHER CONDITIONS: **94°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC

FIELD SAMPLE INFORMATION

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0			0.0	none		none		
			0.0					
2.0		4'	1.8	none		black stains		Black stains 2.5'-3.5'
			0.0				Brn fm(-)c(+) S, f $	
4.0			0.0	none		none		
			0.0					
6.0			0.0	none		none		
		4'	0.0				Brn f(-)mc(+) S, t $	
8.0			0.0	none		none		
			0.0					
10.0	MCGPWS12007		0.0	none	see notes	none		
			0.0				Brn f(-)mc(+) S, t $	composited into one sample
12.0		4'	0.0					
			0.0					
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **105**

START DATE: 06/09/08 END DATE: 06/09/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **10'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 4**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **10'**
WEATHER CONDITIONS: **94°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC

FIELD SAMPLE INFORMATION

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0		4'	0.0	none		none	Brn f(-)m(+)c S, t $	
			0.0					
2.0			0.0	none		none		
			0.0					
4.0			0.0	none		none		
	MCGPWS08006		0.0					
6.0		4'	0.0	none	see notes	none		composited into one sample
			0.0					
8.0			0.0					
			0.0					
10.0								
12.0								
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **106**

START DATE: 06/09/08 END DATE: 06/09/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **15'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3B**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **15'**
WEATHER CONDITIONS: **94°F, Sunny**
ELEVATION AND DATUM:

FIELD SAMPLE INFORMATION

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT
0.0	MCGPWS04001	4'	0.0	none		black staining
			0.0			
2.0			1.8	none	see notes	black staining
			0.0			
4.0			0.0	none		black staining
	MCGPWS08002		0.0			
6.0			0.0	none	see notes	black staining
		4'	5.8			
8.0			0.0	none		black staining
			0.0			
10.0	MCGPWS12003		0.0	none		black staining
			0.0			
12.0		4'	0.0		see notes	
			0.0			
14.0						
16.0						
18.0						
20.0						

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 106, 108, and 109 were horizontally combined into 3 composite samples 4', 8', and 12'

SAMPLER: 5'
RIG TYPE: **Geoprobe**

GEOLOGIC DESCRIPTION

Brn f(-)m(+)c S, s $, brick fgmts

Brn f(+)mc(-) S, s C, f $

Brn f(+)mc(-) S, s C, f $

WATER LEVEL

REMARKS

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BOREHOLE LOG

BORING ID #: **107**

START DATE: 06/09/08 END DATE: 06/09/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **10'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3C**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **10'**
WEATHER CONDITIONS: **94°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0			0.0	tar odor		Bk and Yw stains		
			0.0					
2.0		4'	1.8	tar odor		Bk and Yw stains	Bk f(-)mc(+) S, s $	
			4.6					
4.0			50.2	tar odor		Bk and Yw stains		
			6.5					
6.0	MCGPWS08006	4'	0.0	tar odor	see notes	Bk and Yw stains	Gy $, s C	
			0.0				Brn $, s f(-)m(+) S,	
8.0			0.0					
			0.0					
10.0								
12.0								
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **108**

START DATE: 06/09/08 END DATE: 06/09/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **15'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3B**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **15'**
WEATHER CONDITIONS: **94°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 106, 108, and 109 were horizontally combined into 3 composite samples 4', 8', and 12'

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04001	4'	0.0			Black stain		
			0.0					
2.0			0.0	Tar odor	see notes	Black stain		
			0.0				Bk f(-)mc(+) S, s $	
4.0			0.0	Tar odor		Black stain		
	MCGPWS08002		0.0					
6.0			0.0	Tar odor	see notes	Product smear		
		4'	6.8				Bk f(+)mc(-) S, s $, f C	
8.0			0.0	Tar odor		Product smear		
			0.0					
10.0	MCGPWS12003		0.0	Tar odor		Product smear		
			0.0				Bk f(+)mc(-) S, s $, f C	
12.0		4'	0.0		see notes			
			0.0					
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **109**

START DATE: 06/09/08 1215
END DATE: 06/09/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **15'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3B**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **15'**
WEATHER CONDITIONS: **94°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 106, 108, and 109 were horizontally combined into 3 composite samples 4', 8', and 12'

FIELD SAMPLE INFORMATION

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04001	4'	0.0					
			0.0					
2.0			0.0		see notes			
			0.0				Bk f(-)mc(+) S, f $, brk fgmt	
4.0			5.6	Tar odor		stain and smear		
			0.0					
6.0	MCGPWS08002	4'	0.0	Tar odor	see notes	stain and smear		
			50.0				Bk f(+)mc(-) S, s C, f $	
8.0			0.0	Tar odor		stain and smear		
			0.0					
10.0	MCGPWS12003		0.0					
			0.0				Bk f(+)mc(-) S, s C, f $	
12.0			0.0		see notes			
			0.0					
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **110**

START DATE: 06/09/08 END DATE: 06/09/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **10'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3C**
DRILLER:
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **10'**
WEATHER CONDITIONS: **94°F, Sunny**
ELEVATION AND DATUM:

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC

SAMPLER: 5'
RIG TYPE: **Geoprobe**

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS08005	4'	0.0	Tar odor		stain and smear	Brn cmf(-) S, s $	
			0.0					
2.0			2.4	Tar odor		stain and smear		
			0.0					
4.0			40.2	Tar odor		stain and smear		
		4'	0.0					
6.0			0.0		see notes		Gr Gn Brn C, s $	
			0.0					
8.0			0.0					
			0.0					
10.0								
12.0								
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **111**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **20'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **20'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 111, 112, 114, and 116 were horizontally combined into 4 composite samples 4', 8', 12', 20'

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04011	4'	0.0	Tar odor				
2.0			0.0	Tar odor	see notes		Bk f(+)mc(-) S, s $, f C	
4.0			2.2	Tar odor		stain and smear	free product smeared	
6.0	MCGPWS08012	4'	7.5	Tar odor	see notes	stain and smear	Bk f(+)mc(-) S, s $, f f G	black product stain and smear
8.0				Tar odor		stain and smear		
10.0	MCGPWS12013	4'	2.5	Tar odor	see notes	stain and smear	Bk f(+)mc(-) S, s $, f C, t f G	
12.0			0.0	Tar odor				
14.0				Tar odor				
16.0	MCGPWS20014	4'	0.0	Tar odor				
18.0			0.0	Tar odor	see notes		Bk f(+)mc(-) S, s $, f C	
20.0								

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BOREHOLE LOG

BORING ID #: **112**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **20'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **20'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 111, 112, 114, and 116 were horizontally combined into 4 composite samples 4', 8', 12', 20'

SAMPLER: 5'
RIG TYPE: **Geoprobe**

FIELD SAMPLE INFORMATION

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04011	4'	0.0					
2.0			0.0		see notes			
							Bk f(+)mc(-) S, s $, f C	
4.0			1.8			stain and smear		
	MCGPWS08012	4'						
6.0					see notes	stain and smear		
			6.7				Bk f(+)mc(-) S, s $, f C, t f G	
8.0				Tar odor		stain and smear		
10.0	MCGPWS12013	4'	2.1	Tar odor		stain and smear		
							Bk f(+)mc(-) S, s $, f f G	
12.0			0.0	Tar odor	see notes			
14.0				Tar odor		stain and smear		
	MCGPWS20014	4'	0.0					
16.0					see notes			
18.0			0.0					
							Bk f(+)mc(-) S, s $, f C	
20.0								

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BOREHOLE LOG

BORING ID #: **113**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **10'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **10'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

FIELD SAMPLE INFORMATION

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 113, 115, 117, and 119 were horizontally combined into 4 composite samples 4', 8', 12', 20'

SAMPLER: 5'
RIG TYPE: **Geoprobe**

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04019	4'	0.0					
2.0			2.6		see notes		Bk f(+)mc(-) S, s $, f C	
4.0			22.4	Tar odor		stain and smear		
6.0	MCGPWS08020	4'	4.3	Tar odor	see notes	stain and smear	Bk f(+)mc(-) S, s $, f f G, t C	
8.0			2.4	Tar odor		stain and smear		Refusal
10.0								
12.0								
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **114**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **12'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **12'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 111, 112, 114, and 116 were horizontally combined into 4 composite samples 4', 8', 12', 20'

FIELD SAMPLE INFORMATION

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04011	4'	N / A					
			N / A					
2.0			N / A	Tar odor	see notes			
			N / A				Brn f(+)mc(-) S, s $, f C	
4.0			N / A	Tar odor		stain and smear		
	MCGPWS08012		N / A					
6.0		4'	N / A	Tar odor	see notes	stain and smear		
			N / A				Bk f(+)mc(-) S, s $, f C, t f G	
8.0			N / A	Tar odor		stain and smear		
			N / A					
10.0	MCGPWS12013		N / A	Tar odor	see notes			
			N / A				Dk Gy f(+)mc(-) S, s C, f f G, t $	
12.0		2'						
14.0								
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **115**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **15'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **15'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 113, 115, 117, and 119 were horizontally combined into 4 composite samples 4', 8', 12', 20'

FIELD SAMPLE INFORMATION

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04019	4'	0.0					
2.0			0.0		see notes			
							Bk f(+)mc(-) S, s $, f C	
4.0			3.1	Tar odor				
	MCGPWS08020	4'						
6.0				Tar odor	see notes	stain and smear		
			6.1				Bk f(+)mc(-) S, s $, f C, t f G	
8.0				Tar odor		stain and smear		
10.0	MCGPWS12021	4'	2.5	Tar odor	see notes	stain and smear		
							Bk f(+)mc(-) S, s $, f C	
12.0			1.2	Tar odor				
14.0			0.0					
							_____	Refusal
16.0	MCGPWS20022				see notes			
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **116**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **16'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **16'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

FIELD SAMPLE INFORMATION

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 111, 112, 114, and 116 were horizontally combined into 4 composite samples 4', 8', 12', 20'

SAMPLER: 5'
RIG TYPE: **Geoprobe**

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04011	4'	0.0					
2.0			0.0		see notes			
							Dk Gy f(+)mc(-) S, s $, f f G, t C	
4.0			1.8	Tar odor		stain and smear		
	MCGPWS08012	4'						
6.0				Tar odor	see notes	stain and smear		
			8.1				Bk f(+)mc(-) S, s $, f C	
8.0				Tar odor		stain and smear		
10.0	MCGPWS12013	4'	1.6	Tar odor	see notes			
							Brn f(+)mc(-) S, s C, f $	
12.0			0.0					
14.0					see notes			
	MCGPWS20014	1'	0.0				Bk f(+)mc(-) S, s $, f C, t f G	
							_____	Refusal
16.0								
18.0			0.0					
20.0								

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BOREHOLE LOG

BORING ID #: **117**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **20'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **20'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 113, 115, 117, and 119 were horizontally combined into 4 composite samples 4', 8', 12', 20'

SAMPLER: 5'
RIG TYPE: **Geoprobe**

FIELD SAMPLE INFORMATION

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04019	4'	0.0					
2.0			0.0		see notes			
							Bk f(+)mc(-) S, s $, f C	
4.0			1.8	Tar odor				
	MCGPWS08020	4'						
6.0				Tar odor	see notes	stain and smear		
			6.4				Bk f(+)mc(-) S, s C, f $	
8.0								
10.0	MCGPWS12021	4'	2.0	Tar odor		stain and smear		
							Bk f(+)mc(-) S, s $, t C	
12.0			0.0	Tar odor	see notes			
14.0								
	MCGPWS20022	4'	0.0					
16.0					see notes			
18.0			0.0					
							Dk Gy f(+)mc(-) S, s C, t f G	
20.0								

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BOREHOLE LOG

BORING ID #: **118**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **20'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **20'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

SAMPLER: 5'
RIG TYPE: **Geoprobe**

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 118, 120, 121, and 122 were horizontally combined into 4 composite samples 4', 8', 12', 20'

FIELD SAMPLE INFORMATION								
DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04015	3'	0.0	Tar odor				
2.0			2.2	Tar odor	see notes	stain and smear	Bk f(+)mc(-) S, s $, f C, t f G	
4.0			4.6	Tar odor		stain and smear		
6.0	MCGPWS08016	4'	8.4	Tar odor	see notes	stain and smear	Dk Gy f(+)mc(-) S, s C, f $	
8.0				Tar odor		stain and smear		
10.0	MCGPWS12017	5'	2.5	Tar odor		stain and smear	Bk f(+)mc(-) S, s $, f C	
12.0			0.0		see notes			
14.0				Tar odor				
16.0	MCGPWS20018	4'	0.0	Tar odor	see notes	stain and smear		
18.0			0.0				Bk f(+)mc(-) S, s$, fC	
20.0								

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BOREHOLE LOG

BORING ID #: **119**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **20'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **20'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 113, 115, 117, and 119 were horizontally combined into 4 composite samples 4', 8', 12', 20'

SAMPLER: 5'
RIG TYPE: **Geoprobe**

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04019	4'	0.0					
2.0			0.0		see notes		Dk Gy f(+)mc(-) S, f $, f C, t f G	
4.0			4.2	Tar odor		stain and smear		
	MCGPWS08020	5'						
6.0				Tar odor	see notes	stain and smear		
			8.3				Bk f(+)mc(-) S, s $, f C	
8.0				Tar odor		stain and smear		
10.0	MCGPWS12021	3'	3.7	Tar odor		stain and smear	Bk f(+)mc(-) S, s $, f f G	
12.0			2.6	Tar odor	see notes	stain and smear		
14.0				Tar odor		stain and smear		
	MCGPWS20022	4'	0.0					
16.0					see notes			
18.0			0.0					
							Brn f(+)mc(-) S, s $, f C	
20.0								

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BOREHOLE LOG

BORING ID #: **120**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **15'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **15'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

FIELD SAMPLE INFORMATION

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 118, 120, 121, and 122 were horizontally combined into 4 composite samples 4', 8', 12', 20'

SAMPLER: 5'
RIG TYPE: **Geoprobe**

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04015	4'	0.0					
2.0			0.0		see notes			
							Dk Gy f(+)mc(-) S, s C, t f G	
4.0			1.3					
	MCGPWS08016	4'						
6.0				Tar odor	see notes	stain and smear		
			6.2				Bk f(+)mc(-) S, s $, f C	
8.0				Tar odor		stain and smear		
10.0	MCGPWS12017	4'	4.2	Tar odor		stain and smear		
							Brn f(+)mc(-) S, s C, f $	
12.0			1.8	Tar odor	see notes			
14.0			0.0		see notes			
	MCGPWS20018							
16.0								
18.0								
20.0								

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BOREHOLE LOG

BORING ID #: **121**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **20'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **20'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 118, 120, 121, and 122 were horizontally combined into 4 composite samples 4', 8', 12', 20'

SAMPLER: 5'
RIG TYPE: **Geoprobe**

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04015	4'	0.0					
2.0			0.0		see notes		Brn f(+)mc(-) S, s $, f C	
4.0			2.2					
	MCGPWS08016	4.5'						
6.0				Tar odor	see notes	stain and smear		
			9.2				Dk Gy f(+)mc(-) S, f $, f C, t f G	
8.0				Tar odor		stain and smear		
10.0	MCGPWS12017	4'	3.6	Tar odor		stain and smear		
12.0			2.1	Tar odor	see notes	stain and smear	Bk f(+)mc(-) S, s $, f C	
14.0				Tar odor		stain and smear		
	MCGPWS20018	3'	0.0					
16.0					see notes			
18.0			0.0				Bk f(+)mc(-) S, f $, t C, t f G	
20.0								

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BOREHOLE LOG

BORING ID #: **122**

START DATE: 06/10/08 END DATE: 06/10/08

PROJECT NAME: **MGP Site**
SITE LOCATION: **Mechanicville, NY**
DRILLING CO.: **Zebra**
BOREHOLE DIAMETER: **2.5"**
TOTAL DEPTH REACHED: **15'**
LATITUDE:

PROJECT NO **94560/05**
BORING LOCATION: **Excavation Area 3A**
DRILLER: **Zebra**
INSPECTOR: Bryon Blaydes
LONGITUDE:

PROJECT MANAGER: **Scott Underhill**
DRILLING METHOD: **Direct Push**
TOTAL DEPTH DRILLED: **15'**
WEATHER CONDITIONS: **96°F, Sunny**
ELEVATION AND DATUM:

Notes:
All PID readings are from the sleeve
All samples analysed for RCRA characteristics and landfill requirments, ESMI, PAH's, and TCLP VOC
Samples from 118, 120, 121, and 122 were horizontally combined into 4 composite samples 4', 8', 12', 20'

SAMPLER: 5'
RIG TYPE: **Geoprobe**

FIELD SAMPLE INFORMATION

DEPTH (feet bgs)	SAMPLE ID	RECOVERY	PID (ppm) benzene	ODOR OBSERVED	LAB ANALYSIS	VISIBLE PRODUCT	GEOLOGIC DESCRIPTION	WATER LEVEL / REMARKS
0.0	MCGPWS04015	3.5'	0.0					
2.0			0.0	Tar odor	see notes	stain and smear	Brn f(+)mc(-) S, s $, f C	
4.0			2.2	Tar odor		stain and smear		
	MCGPWS08016	5'						
6.0				Tar odor	see notes	stain and smear		
			8.4				Dk Gy f(+)mc(-) S, f $, f C, t f G	
8.0				Tar odor		stain and smear		
10.0	MCGPWS12017	4'	3.2	Tar odor		stain and smear	Bk f(+)mc(-) S, s $, f C	
12.0			2.1	Tar odor	see notes	stain and smear		
14.0								Bent sampler on rock after 15'
	MCGPWS20018							
16.0								
18.0								
20.0								

Appendix E

Analytical and Geotechnical Results for Backfill Samples

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

December 16, 2008

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PCH	12/08/08	10:40
Location Code:	ESMI	Received by:	LB	12/09/08	10:35
Rush Request:	RUSH#	Analyzed by:	see "By" below		
P.O.#:	120808-1040				

Laboratory Data

SDG I.D.: GAR19014
Phoenix I.D.: AR19014

Client ID: CT 13000 1

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	4.7	0.7	mg/Kg	12/13/08		LK	SW6010
Barium	72.2	0.35	mg/Kg	12/13/08		L/E	SW6010
Cadmium	< 0.35	0.35	mg/Kg	12/13/08		L/E	SW6010
Chromium	16.5	0.35	mg/Kg	12/13/08		L/E	SW6010
Lead	46.5	0.35	mg/Kg	12/13/08		L/E	SW6010
Mercury	< 0.08	0.08	mg/kg	12/12/08		RS	SW-7471
Selenium	< 0.7	0.7	mg/Kg	12/13/08		LK	6010/200.7
Silver	< 0.35	0.35	mg/Kg	12/13/08		L/E	SW6010
Percent Solid	91		%	12/09/08		Q-JL	E160.3
Mercury Digestion	Completed			12/12/08		D	SW7471
Soil Ext. for Semi- Vol	Completed			12/09/08		JI/D	SW3545
Total Metals Digest	Completed			12/11/08		AG/T	SW846 - 3050
Volatiles							
1,1,1,2-Tetrachloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1,1-Trichloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1,2-Trichloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1-Dichloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1-Dichloroethene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1-Dichloropropene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2,3-Trichlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2,3-Trichloropropane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2,4-Trichlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2,4-Trimethylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2-Dichlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2-Dichloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2-Dichloropropane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,3,5-Trimethylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,3-Dichlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260

Client ID: CT 13000 1 Phoenix I.D.: AR19014

Parameter	Result	RL	Units	Date	Time	By	Reference
1,3-Dichloropropane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,4-Dichlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
2,2-Dichloropropane	ND	11	ug/Kg	12/12/08		R/J	SW8260
2-Chlorotoluene	ND	11	ug/Kg	12/12/08		R/J	SW8260
2-Hexanone	ND	55	ug/Kg	12/12/08		R/J	SW8260
2-Isopropyltoluene	ND	11	ug/Kg	12/12/08		R/J	SW8260
4-Chlorotoluene	ND	11	ug/Kg	12/12/08		R/J	SW8260
4-Methyl-2-pentanone	ND	55	ug/Kg	12/12/08		R/J	SW8260
Acetone	ND	220	ug/Kg	12/12/08		R/J	SW8260
Acrylonitrile	ND	22	ug/Kg	12/12/08		R/J	SW8260
Benzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Bromobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Bromochloromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Bromodichloromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Bromoform	ND	11	ug/Kg	12/12/08		R/J	SW8260
Bromomethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Carbon Disulfide	ND	11	ug/Kg	12/12/08		R/J	SW8260
Carbon tetrachloride	ND	11	ug/Kg	12/12/08		R/J	SW8260
Chlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Chloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Chloroform	ND	11	ug/Kg	12/12/08		R/J	SW8260
Chloromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
cis-1,2-Dichloroethene	ND	11	ug/Kg	12/12/08		R/J	SW8260
cis-1,3-Dichloropropene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Dibromochloromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Dibromoethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Dibromomethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Dichlorodifluoromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Ethylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Hexachlorobutadiene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Isopropylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
m&p-Xylene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Methyl Ethyl Ketone	ND	66	ug/Kg	12/12/08		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	22	ug/Kg	12/12/08		R/J	SW8260
Methylene chloride	ND	11	ug/Kg	12/12/08		R/J	SW8260
Naphthalene	ND	11	ug/Kg	12/12/08		R/J	SW8260
n-Butylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
n-Propylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
o-Xylene	ND	11	ug/Kg	12/12/08		R/J	SW8260
p-Isopropyltoluene	ND	11	ug/Kg	12/12/08		R/J	SW8260
sec-Butylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Styrene	ND	11	ug/Kg	12/12/08		R/J	SW8260
tert-Butylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Tetrachloroethene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Tetrahydrofuran (THF)	ND	22	ug/Kg	12/12/08		R/J	SW8260
Toluene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Total Xylenes	ND	11	ug/Kg	12/12/08		R/J	SW8260
trans-1,2-Dichloroethene	ND	11	ug/Kg	12/12/08		R/J	SW8260
trans-1,3-Dichloropropene	ND	11	ug/Kg	12/12/08		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	22	ug/Kg	12/12/08		R/J	SW8260
Trichloroethene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Trichlorofluoromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Trichlorotrifluoroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Vinyl chloride	ND	11	ug/Kg	12/12/08		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	12/12/08		R/J	SW8260
% Bromofluorobenzene	91		%	12/12/08		R/J	SW8260
% Dibromofluoromethane	89		%	12/12/08		R/J	SW8260
% Toluene-d8	98		%	12/12/08		R/J	SW8260
Semivolatiles							
1,2,4-Trichlorobenzene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
1,2-Dichlorobenzene	ND	180 (J)	ug/Kg	12/10/08		KCA	SW 8270
1,3-Dichlorobenzene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
1,4-Dichlorobenzene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2,4,5-Trichlorophenol	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2,4,6-Trichlorophenol	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2,4-Dichlorophenol	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2,4-Dimethylphenol	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2,4-Dinitrophenol	ND	960	ug/Kg	12/10/08		KCA	SW 8270
2,4-Dinitrotoluene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2,6-Dinitrotoluene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2-Chloronaphthalene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2-Chlorophenol	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2-Methylnaphthalene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	330	ug/Kg	12/10/08		KCA	SW 8270
2-Nitroaniline	ND	960	ug/Kg	12/10/08		KCA	SW 8270
2-Nitrophenol	ND	330	ug/Kg	12/10/08		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	12/10/08		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	400	ug/Kg	12/10/08		KCA	SW 8270
3-Nitroaniline	ND	960	ug/Kg	12/10/08		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	960	ug/Kg	12/10/08		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	12/10/08		KCA	SW 8270
4-Chloro-3-methylphenol	ND	400	ug/Kg	12/10/08		KCA	SW 8270
4-Chloroaniline	ND	400	ug/Kg	12/10/08		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	12/10/08		KCA	SW 8270
4-Nitroaniline	ND	960	ug/Kg	12/10/08		KCA	SW 8270
4-Nitrophenol	ND	960	ug/Kg	12/10/08		KCA	SW 8270
Acenaphthene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Acenaphthylene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Anthracene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Azobenzene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Benz(a)anthracene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Benzidine	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Benzo(b)fluoranthene	ND	270 (J)	ug/Kg	12/10/08		KCA	SW 8270
Benzo(ghi)perylene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Benzoic acid	ND	960	ug/Kg	12/10/08		KCA	SW 8270
Benzyl alcohol	ND	400	ug/Kg	12/10/08		KCA	SW 8270
Benzyl butyl phthalate	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	12/10/08		KCA	SW 8270

Client ID: CT 13000 1 Phoenix I.D.: AR19014

Parameter	Result	RL	Units	Date	Time	By	Reference
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Chrysene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Dibenzofuran	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Diethyl phthalate	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Dimethylphthalate	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Di-n-octylphthalate	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Fluoranthene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Fluorene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Hexachloroethane	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Isophorone	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Naphthalene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Nitrobenzene	ND	190 (J)	ug/Kg	12/10/08		KCA	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	12/10/08		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	12/10/08		KCA	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Pentachlorophenol	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Phenanthrene	700	330	ug/Kg	12/10/08		KCA	SW 8270
Phenol	ND	160 (J)	ug/Kg	12/10/08		KCA	SW 8270
Pyrene	ND	330	ug/Kg	12/10/08		KCA	SW 8270
Pyridine	ND	330	ug/Kg	12/10/08		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	53		%	12/10/08		KCA	SW 8270
% 2-Fluorobiphenyl	89		%	12/10/08		KCA	SW 8270
% 2-Fluorophenol	79		%	12/10/08		KCA	SW 8270
% Nitrobenzene-d5	86		%	12/10/08		KCA	SW 8270
% Phenol-d5	88		%	12/10/08		KCA	SW 8270
% Terphenyl-d14	81		%	12/10/08		KCA	SW 8270

Comments:

J = Estimated value reported at 110% of MDL study.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
December 16, 2008

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

December 16, 2008

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PCH	12/08/08	10:40
Location Code:	ESMI	Received by:	LB	12/09/08	10:35
Rush Request:	RUSH#	Analyzed by:	see "By" below		
P.O.#:	120808-1040				

Laboratory Data

SDG I.D.: GAR19014
Phoenix I.D.: AR19015

Client ID: CT 13000 2

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	4.0	0.8	mg/Kg	12/13/08		LK	SW6010
Barium	64.4	0.38	mg/Kg	12/13/08		L/E	SW6010
Cadmium	< 0.38	0.38	mg/Kg	12/13/08		L/E	SW6010
Chromium	14.8	0.38	mg/Kg	12/13/08		L/E	SW6010
Lead	40.8	0.38	mg/Kg	12/13/08		L/E	SW6010
Mercury	< 0.08	0.08	mg/kg	12/12/08		RS	SW-7471
Selenium	< 0.8	0.8	mg/Kg	12/13/08		LK	6010/200.7
Silver	< 0.38	0.38	mg/Kg	12/13/08		L/E	SW6010
Percent Solid	90		%	12/11/08		M/D	E160.3
Mercury Digestion	Completed			12/12/08		D	SW7471
Soil Ext. for Semi- Vol	Completed			12/11/08		BI/E	SW3545
Total Metals Digest	Completed			12/11/08		AG/T	SW846 - 3050
Volatiles							
1,1,1,2-Tetrachloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1,1-Trichloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1,2-Trichloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1-Dichloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1-Dichloroethene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,1-Dichloropropene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2,3-Trichlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2,3-Trichloropropane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2,4-Trichlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2,4-Trimethylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2-Dichlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2-Dichloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,2-Dichloropropane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,3,5-Trimethylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,3-Dichlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260

Client ID: CT 13000 2

Phoenix I.D.: AR19015

Parameter	Result	RL	Units	Date	Time	By	Reference
1,3-Dichloropropane	ND	11	ug/Kg	12/12/08		R/J	SW8260
1,4-Dichlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
2,2-Dichloropropane	ND	11	ug/Kg	12/12/08		R/J	SW8260
2-Chlorotoluene	ND	11	ug/Kg	12/12/08		R/J	SW8260
2-Hexanone	ND	56	ug/Kg	12/12/08		R/J	SW8260
2-Isopropyltoluene	ND	11	ug/Kg	12/12/08		R/J	SW8260
4-Chlorotoluene	ND	11	ug/Kg	12/12/08		R/J	SW8260
4-Methyl-2-pentanone	ND	56	ug/Kg	12/12/08		R/J	SW8260
Acetone	ND	220	ug/Kg	12/12/08		R/J	SW8260
Acrylonitrile	ND	22	ug/Kg	12/12/08		R/J	SW8260
Benzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Bromobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Bromochloromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Bromodichloromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Bromoform	ND	11	ug/Kg	12/12/08		R/J	SW8260
Bromomethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Carbon Disulfide	ND	11	ug/Kg	12/12/08		R/J	SW8260
Carbon tetrachloride	ND	11	ug/Kg	12/12/08		R/J	SW8260
Chlorobenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Chloroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Chloroform	ND	11	ug/Kg	12/12/08		R/J	SW8260
Chloromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
cis-1,2-Dichloroethene	ND	11	ug/Kg	12/12/08		R/J	SW8260
cis-1,3-Dichloropropene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Dibromochloromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Dibromoethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Dibromomethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Dichlorodifluoromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Ethylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Hexachlorobutadiene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Isopropylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
m&p-Xylene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Methyl Ethyl Ketone	ND	67	ug/Kg	12/12/08		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	22	ug/Kg	12/12/08		R/J	SW8260
Methylene chloride	ND	11	ug/Kg	12/12/08		R/J	SW8260
Naphthalene	ND	11	ug/Kg	12/12/08		R/J	SW8260
n-Butylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
n-Propylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
o-Xylene	ND	11	ug/Kg	12/12/08		R/J	SW8260
p-Isopropyltoluene	ND	11	ug/Kg	12/12/08		R/J	SW8260
sec-Butylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Styrene	ND	11	ug/Kg	12/12/08		R/J	SW8260
tert-Butylbenzene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Tetrachloroethene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Tetrahydrofuran (THF)	ND	22	ug/Kg	12/12/08		R/J	SW8260
Toluene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Total Xylenes	ND	11	ug/Kg	12/12/08		R/J	SW8260
trans-1,2-Dichloroethene	ND	11	ug/Kg	12/12/08		R/J	SW8260
trans-1,3-Dichloropropene	ND	11	ug/Kg	12/12/08		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	22	ug/Kg	12/12/08		R/J	SW8260
Trichloroethene	ND	11	ug/Kg	12/12/08		R/J	SW8260
Trichlorofluoromethane	ND	11	ug/Kg	12/12/08		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Trichlorotrifluoroethane	ND	11	ug/Kg	12/12/08		R/J	SW8260
Vinyl chloride	ND	11	ug/Kg	12/12/08		R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	110		%	12/12/08		R/J	SW8260
% Bromofluorobenzene	91		%	12/12/08		R/J	SW8260
% Dibromofluoromethane	93		%	12/12/08		R/J	SW8260
% Toluene-d8	97		%	12/12/08		R/J	SW8260
Semivolatiles							
1,2,4-Trichlorobenzene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
1,2-Dichlorobenzene	ND	180 (J)	ug/Kg	12/12/08		KCA	SW 8270
1,3-Dichlorobenzene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
1,4-Dichlorobenzene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2,4,5-Trichlorophenol	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2,4,6-Trichlorophenol	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2,4-Dichlorophenol	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2,4-Dimethylphenol	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2,4-Dinitrophenol	ND	970	ug/Kg	12/12/08		KCA	SW 8270
2,4-Dinitrotoluene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2,6-Dinitrotoluene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2-Chloronaphthalene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2-Chlorophenol	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2-Methylnaphthalene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	330	ug/Kg	12/12/08		KCA	SW 8270
2-Nitroaniline	ND	970	ug/Kg	12/12/08		KCA	SW 8270
2-Nitrophenol	ND	330	ug/Kg	12/12/08		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	12/12/08		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	400	ug/Kg	12/12/08		KCA	SW 8270
3-Nitroaniline	ND	970	ug/Kg	12/12/08		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	970	ug/Kg	12/12/08		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	12/12/08		KCA	SW 8270
4-Chloro-3-methylphenol	ND	400	ug/Kg	12/12/08		KCA	SW 8270
4-Chloroaniline	ND	400	ug/Kg	12/12/08		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	12/12/08		KCA	SW 8270
4-Nitroaniline	ND	970	ug/Kg	12/12/08		KCA	SW 8270
4-Nitrophenol	ND	970	ug/Kg	12/12/08		KCA	SW 8270
Acenaphthene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Acenaphthylene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Anthracene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Azobenzene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Benz(a)anthracene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Benzidine	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Benzo(b)fluoranthene	ND	270 (J)	ug/Kg	12/12/08		KCA	SW 8270
Benzo(ghi)perylene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Benzoic acid	ND	970	ug/Kg	12/12/08		KCA	SW 8270
Benzyl alcohol	ND	400	ug/Kg	12/12/08		KCA	SW 8270
Benzyl butyl phthalate	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	12/12/08		KCA	SW 8270

Client ID: CT 13000 2 Phoenix I.D.: AR19015

Parameter	Result	RL	Units	Date	Time	By	Reference
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Chrysene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Dibenzofuran	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Diethyl phthalate	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Dimethylphthalate	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Di-n-octylphthalate	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Fluoranthene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Fluorene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Hexachloroethane	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Isophorone	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Naphthalene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Nitrobenzene	ND	190 (J)	ug/Kg	12/12/08		KCA	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	12/12/08		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	12/12/08		KCA	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Pentachlorophenol	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Phenanthrene	650	330	ug/Kg	12/12/08		KCA	SW 8270
Phenol	ND	160 (J)	ug/Kg	12/12/08		KCA	SW 8270
Pyrene	ND	330	ug/Kg	12/12/08		KCA	SW 8270
Pyridine	ND	330	ug/Kg	12/12/08		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	52		%	12/12/08		KCA	SW 8270
% 2-Fluorobiphenyl	82		%	12/12/08		KCA	SW 8270
% 2-Fluorophenol	76		%	12/12/08		KCA	SW 8270
% Nitrobenzene-d5	77		%	12/12/08		KCA	SW 8270
% Phenol-d5	83		%	12/12/08		KCA	SW 8270
% Terphenyl-d14	70		%	12/12/08		KCA	SW 8270

Comments:

J = Estimated value reported at 110% of MDL study.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
December 16, 2008

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

December 16, 2008

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PCH	12/08/08	10:40
Location Code:	ESMI	Received by:	LB	12/09/08	10:35
Rush Request:	RUSH#	Analyzed by:	see "By" below		
P.O.#:	120808-1040				

Laboratory Data

SDG I.D.: GAR19014
Phoenix I.D.: AR19016

Client ID: CT 13000 3

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	4.8	0.8	mg/Kg	12/13/08		LK	SW6010
Barium	61.7	0.39	mg/Kg	12/13/08		L/E	SW6010
Cadmium	< 0.39	0.39	mg/Kg	12/13/08		L/E	SW6010
Chromium	14.7	0.39	mg/Kg	12/13/08		L/E	SW6010
Lead	39.5	0.39	mg/Kg	12/13/08		L/E	SW6010
Mercury	< 0.06	0.06	mg/kg	12/12/08		RS	SW-7471
Selenium	< 0.8	0.8	mg/Kg	12/13/08		LK	6010/200.7
Silver	< 0.39	0.39	mg/Kg	12/13/08		L/E	SW6010
Percent Solid	91		%	12/11/08		M/D	E160.3
Mercury Digestion	Completed			12/12/08		D	SW7471
Total Metals Digest	Completed			12/11/08		AG/T	SW846 - 3050

Comments:

J = Estimated value reported at 110% of MDL study.

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Phyllis Shiller, Laboratory Director
December 16, 2008

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

December 16, 2008

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PCH	12/08/08	10:40
Location Code:	ESMI	Received by:	LB	12/09/08	10:35
Rush Request:	RUSH#	Analyzed by:	see "By" below		
P.O.#:	120808-1040				

Laboratory Data

SDG I.D.: GAR19014
Phoenix I.D.: AR19017

Client ID: CT 13000 4

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	4.2	0.7	mg/Kg	12/13/08		LK	SW6010
Barium	69.8	0.35	mg/Kg	12/13/08		L/E	SW6010
Cadmium	< 0.35	0.35	mg/Kg	12/13/08		L/E	SW6010
Chromium	16.1	0.35	mg/Kg	12/13/08		L/E	SW6010
Lead	40.1	0.35	mg/Kg	12/13/08		L/E	SW6010
Mercury	< 0.07	0.07	mg/kg	12/12/08		RS	SW-7471
Selenium	< 0.7	0.7	mg/Kg	12/13/08		LK	6010/200.7
Silver	< 0.35	0.35	mg/Kg	12/13/08		L/E	SW6010
Percent Solid	91		%	12/11/08		M/D	E160.3
Mercury Digestion	Completed			12/12/08		D	SW7471
Total Metals Digest	Completed			12/11/08		AG/T	SW846 - 3050

Comments:

J = Estimated value reported at 110% of MDL study.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 16, 2008

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

December 16, 2008

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PCH	12/08/08	10:40
Location Code:	ESMI	Received by:	LB	12/09/08	10:35
Rush Request:	RUSH#	Analyzed by:	see "By" below		
P.O.#:	120808-1040				

Laboratory Data

SDG I.D.: GAR19014
Phoenix I.D.: AR19018

Client ID: CT 13000 5

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	4.5	0.7	mg/Kg	12/13/08		LK	SW6010
Barium	71.7	0.36	mg/Kg	12/13/08		L/E	SW6010
Cadmium	< 0.36	0.36	mg/Kg	12/13/08		L/E	SW6010
Chromium	15.7	0.36	mg/Kg	12/13/08		L/E	SW6010
Lead	52.0	0.36	mg/Kg	12/13/08		L/E	SW6010
Mercury	< 0.08	0.08	mg/kg	12/12/08		RS	SW-7471
Selenium	< 0.7	0.7	mg/Kg	12/13/08		LK	6010/200.7
Silver	< 0.36	0.36	mg/Kg	12/13/08		L/E	SW6010
Percent Solid	94		%	12/11/08		M/D	E160.3
Mercury Digestion	Completed			12/12/08		D	SW7471
Total Metals Digest	Completed			12/11/08		AG/T	SW846 - 3050

Comments:

J = Estimated value reported at 110% of MDL study.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
December 16, 2008

PHOENIX
Environmental Laboratories, Inc.

RECEIVED
JAN 16 2009
BY:

Thursday, January 08, 2009

Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Client ID: CT 132000
Sample ID#s: AR22807

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
NY Lab Registration #11301
RI Lab Registration #63
NH Lab Registration #213693-A,B
ME Lab Registration #CT-007
NJ Lab Registration #CT-003
PA Lab Registration #68-03530

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 12, 2009

FOR: Attn: Mr. Peter Hansen
ESMI of NY
304 Towpath Road
Fort Edward, NY 12828

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	PCH	12/18/08	10:40
Location Code:	ESMI	Received by:	LB	12/19/08	11:07
Rush Request:	RUSH#	Analyzed by:	see "By" below		
P.O.#:	121808-1				

Laboratory Data

SDG I.D.: GAR22807
Phoenix I.D.: AR22807

Client ID: CT 132000 1

Parameter	Result	RL	Units	Date	Time	By	Reference
Arsenic	7.9	0.8	mg/Kg	12/24/08		EK	SW6010
Barium	116	0.40	mg/Kg	12/23/08		LK	SW6010
Beryllium	0.73	0.32	mg/Kg	12/23/08		EK	SW6010
Cadmium	0.48	0.40	mg/Kg	12/24/08		EK	SW6010
Chromium	22.7	0.40	mg/Kg	12/23/08		LK	SW6010
Copper	52.1	0.40	mg/kg	12/23/08		EK	SW6010
Lead	58.9	0.40	mg/Kg	12/24/08		EK	SW6010
Manganese	404	4.0	mg/Kg	01/08/09		EK	SW6010
Mercury	< 0.08	0.08	mg/kg	12/23/08		K/P	SW-7471
Nickel	22.7	0.40	mg/Kg	12/23/08		EK	SW6010
Selenium	< 0.8	0.8	mg/Kg	12/24/08		EK	6010/200.7
Silver	< 0.40	0.40	mg/Kg	12/23/08		LK	SW6010
Trivalent Chromium	22.7	0.50	mg/kg	01/08/09		CL	Calculation
Zinc	126	0.40	mg/Kg	12/23/08		EK	SW6010
Percent Solid	89		%	12/19/08		M-JL	E160.3
Chromium, Hexavalent	< 1.25	1.25	mg/Kg	01/08/09		CL	SW3060/7196
Total Cyanide	< 0.56	0.56	mg/Kg	01/07/09		GD	SW9010/9014
Mercury Digestion	Completed			12/23/08		K	SW7471
Soil Extraction for Herbicide	Completed			01/06/09		M/D	SW8151
Soil Extraction for PCB	Completed			01/06/09		B/D	SW3545
Soil Ext. for Pesticide-LDL	Completed			01/06/09		B/D	3545
Soil Ext. for Semi- Vol	Completed			12/19/08		SI/D	SW3545
Total Metals Digest	Completed			12/22/08		B/T	SW846 - 3050
Pesticides - Soil							
4,4' -DDD	ND	3.2	ug/Kg	01/08/09		MH	SW8081
4,4' -DDE	ND	3.2	ug/Kg	01/08/09		MH	SW8081
4,4' -DDT	ND	3.2	ug/Kg	01/08/09		MH	SW8081
a-BHC	ND	16	ug/Kg	01/08/09		MH	SW8081
Alachlor	ND	16	ug/Kg	01/08/09		MH	SW8081
Aldrin	ND	5	ug/Kg	01/08/09		MH	SW8081

Parameter	Result		RL	Units	Date	Time	By	Reference
b-BHC	ND		16	ug/Kg	01/08/09		MH	SW8081
Chlordane	ND		3.2	ug/Kg	01/08/09		MH	SW8081
d-BHC	ND		16	ug/Kg	01/08/09		MH	SW8081
Dieldrin	ND		5	ug/Kg	01/08/09		MH	SW8081
Endosulfan I	ND		16	ug/Kg	01/08/09		MH	SW8081
Endosulfan II	ND		32	ug/Kg	01/08/09		MH	SW8081
Endosulfan sulfate	ND		32	ug/Kg	01/08/09		MH	SW8081
Endrin	ND		14	ug/Kg	01/08/09		MH	SW8081
Endrin aldehyde	ND		32	ug/Kg	01/08/09		MH	SW8081
Endrin ketone	ND		32	ug/Kg	01/08/09		MH	SW8081
g-BHC	ND		2.4	ug/Kg	01/08/09		MH	SW8081
Heptachlor	ND		13	ug/Kg	01/08/09		MH	SW8081
Heptachlor epoxide	ND		2.5	ug/Kg	01/08/09		MH	SW8081
Methoxychlor	ND		160	ug/Kg	01/08/09		MH	SW8081
Toxaphene	ND		160	ug/Kg	01/08/09		MH	SW8081
QA/QC Surrogates								
% DCBP (Surrogate Rec)	NR	*		%	01/08/09		MH	SW8081
% TCMX (Surrogate Rec)	NR	*		%	01/08/09		MH	SW8081
Chlorinated Herbicides								
2,4,5-T	ND		110	ug/Kg	01/07/09		JRB	SW8151
2,4,5-TP (Silvex)	ND		110	ug/Kg	01/07/09		JRB	SW8151
2,4-D	ND		110	ug/Kg	01/07/09		JRB	SW8151
2,4-DB	ND		1100	ug/Kg	01/07/09		JRB	SW8151
Dalapon	ND		560	ug/Kg	01/07/09		JRB	SW8151
Dicamba	ND		330	ug/Kg	01/07/09		JRB	SW8151
Dichloroprop	ND		110	ug/Kg	01/07/09		JRB	SW8151
Dinoseb	ND		220	ug/Kg	01/07/09		JRB	SW8151
QA/QC Surrogates								
% DCAA	89			%	01/07/09		JRB	SW8151
Volatiles								
1,1,1,2-Tetrachloroethane	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,1,1-Trichloroethane	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,1,2-Trichloroethane	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,1-Dichloroethane	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,1-Dichloroethene	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,1-Dichloropropene	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,2,3-Trichlorobenzene	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,2,3-Trichloropropane	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,2,4-Trichlorobenzene	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,2,4-Trimethylbenzene	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,2-Dichlorobenzene	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,2-Dichloroethane	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,2-Dichloropropane	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,3,5-Trimethylbenzene	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,3-Dichlorobenzene	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,3-Dichloropropane	ND		11	ug/Kg	12/22/08		R/J	SW8260
1,4-Dichlorobenzene	ND		11	ug/Kg	12/22/08		R/J	SW8260
2,2-Dichloropropane	ND		11	ug/Kg	12/22/08		R/J	SW8260

Client ID: CT 132000 1

Phoenix I.D.: AR22807

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Chlorotoluene	ND	11	ug/Kg	12/22/08		R/J	SW8260
2-Hexanone	ND	56	ug/Kg	12/22/08		R/J	SW8260
2-Isopropyltoluene	ND	11	ug/Kg	12/22/08		R/J	SW8260
4-Chlorotoluene	ND	11	ug/Kg	12/22/08		R/J	SW8260
4-Methyl-2-pentanone	ND	56	ug/Kg	12/22/08		R/J	SW8260
Acetone	ND	220	ug/Kg	12/22/08		R/J	SW8260
Acrylonitrile	ND	22	ug/Kg	12/22/08		R/J	SW8260
Benzene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Bromobenzene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Bromochloromethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
Bromodichloromethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
Bromoform	ND	11	ug/Kg	12/22/08		R/J	SW8260
Bromomethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
Carbon Disulfide	ND	11	ug/Kg	12/22/08		R/J	SW8260
Carbon tetrachloride	ND	11	ug/Kg	12/22/08		R/J	SW8260
Chlorobenzene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Chloroethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
Chloroform	ND	11	ug/Kg	12/22/08		R/J	SW8260
Chloromethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
cis-1,2-Dichloroethene	ND	11	ug/Kg	12/22/08		R/J	SW8260
cis-1,3-Dichloropropene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Dibromochloromethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
Dibromoethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
Dibromomethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
Dichlorodifluoromethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
Ethylbenzene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Hexachlorobutadiene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Isopropylbenzene	ND	11	ug/Kg	12/22/08		R/J	SW8260
m&p-Xylene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Methyl Ethyl Ketone	ND	67	ug/Kg	12/22/08		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	22	ug/Kg	12/22/08		R/J	SW8260
Methylene chloride	ND	11	ug/Kg	12/22/08		R/J	SW8260
Naphthalene	ND	11	ug/Kg	12/22/08		R/J	SW8260
n-Butylbenzene	ND	11	ug/Kg	12/22/08		R/J	SW8260
n-Propylbenzene	ND	11	ug/Kg	12/22/08		R/J	SW8260
o-Xylene	ND	11	ug/Kg	12/22/08		R/J	SW8260
p-Isopropyltoluene	ND	11	ug/Kg	12/22/08		R/J	SW8260
sec-Butylbenzene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Styrene	ND	11	ug/Kg	12/22/08		R/J	SW8260
tert-Butylbenzene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Tetrachloroethene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Tetrahydrofuran (THF)	ND	22	ug/Kg	12/22/08		R/J	SW8260
Toluene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Total Xylenes	ND	11	ug/Kg	12/22/08		R/J	SW8260
trans-1,2-Dichloroethene	ND	11	ug/Kg	12/22/08		R/J	SW8260
trans-1,3-Dichloropropene	ND	11	ug/Kg	12/22/08		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	22	ug/Kg	12/22/08		R/J	SW8260
Trichloroethene	ND	11	ug/Kg	12/22/08		R/J	SW8260
Trichlorofluoromethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
Trichlorotrifluoroethane	ND	11	ug/Kg	12/22/08		R/J	SW8260
Vinyl chloride	ND	11	ug/Kg	12/22/08		R/J	SW8260

QA/QC Surrogates

Parameter	Result		RL	Units	Date	Time	By	Reference
% 1,2-dichlorobenzene-d4	105			%	12/22/08		R/J	SW8260
% Bromofluorobenzene	92			%	12/22/08		R/J	SW8260
% Dibromofluoromethane	75			%	12/22/08		R/J	SW8260
% Toluene-d8	98			%	12/22/08		R/J	SW8260
Polychlorinated Biphenyls								
PCB-1016	ND		37	ug/Kg	01/12/09		MH	SW 8082
PCB-1221	ND		37	ug/Kg	01/12/09		MH	SW 8082
PCB-1232	ND		37	ug/Kg	01/12/09		MH	SW 8082
PCB-1242	ND		37	ug/Kg	01/12/09		MH	SW 8082
PCB-1248	ND		37	ug/Kg	01/12/09		MH	SW 8082
PCB-1254	ND		37	ug/Kg	01/12/09		MH	SW 8082
PCB-1260	ND		37	ug/Kg	01/12/09		MH	SW 8082
PCB-1262	ND		37	ug/Kg	01/12/09		MH	SW 8082
PCB-1268	ND		37	ug/Kg	01/12/09		MH	SW 8082
QA/QC Surrogates								
% DCBP	68	*		%	01/12/09		MH	SW 8082
% TCMX	42	*		%	01/12/09		MH	SW 8082
Semivolatiles								
1,2,4-Trichlorobenzene	ND		330	ug/Kg	12/22/08		HM	SW 8270
1,2-Dichlorobenzene	ND		170 (J)	ug/Kg	12/22/08		HM	SW 8270
1,3-Dichlorobenzene	ND		330	ug/Kg	12/22/08		HM	SW 8270
1,4-Dichlorobenzene	ND		330	ug/Kg	12/22/08		HM	SW 8270
2,4,5-Trichlorophenol	ND		330	ug/Kg	12/22/08		HM	SW 8270
2,4,6-Trichlorophenol	ND		330	ug/Kg	12/22/08		HM	SW 8270
2,4-Dichlorophenol	ND		330	ug/Kg	12/22/08		HM	SW 8270
2,4-Dimethylphenol	ND		330	ug/Kg	12/22/08		HM	SW 8270
2,4-Dinitrophenol	ND		950	ug/Kg	12/22/08		HM	SW 8270
2,4-Dinitrotoluene	ND		330	ug/Kg	12/22/08		HM	SW 8270
2,6-Dinitrotoluene	ND		330	ug/Kg	12/22/08		HM	SW 8270
2-Chloronaphthalene	ND		330	ug/Kg	12/22/08		HM	SW 8270
2-Chlorophenol	ND		330	ug/Kg	12/22/08		HM	SW 8270
2-Methylnaphthalene	ND		330	ug/Kg	12/22/08		HM	SW 8270
2-Methylphenol (o-cresol)	ND		330	ug/Kg	12/22/08		HM	SW 8270
2-Nitroaniline	ND		950	ug/Kg	12/22/08		HM	SW 8270
2-Nitrophenol	ND		330	ug/Kg	12/22/08		HM	SW 8270
3&4-Methylphenol (m&p-cresol)	ND		330	ug/Kg	12/22/08		HM	SW 8270
3,3'-Dichlorobenzidine	ND		390	ug/Kg	12/22/08		HM	SW 8270
3-Nitroaniline	ND		950	ug/Kg	12/22/08		HM	SW 8270
4,6-Dinitro-2-methylphenol	ND		950	ug/Kg	12/22/08		HM	SW 8270
4-Bromophenyl phenyl ether	ND		330	ug/Kg	12/22/08		HM	SW 8270
4-Chloro-3-methylphenol	ND		390	ug/Kg	12/22/08		HM	SW 8270
4-Chloroaniline	ND		390	ug/Kg	12/22/08		HM	SW 8270
4-Chlorophenyl phenyl ether	ND		330	ug/Kg	12/22/08		HM	SW 8270
4-Nitroaniline	ND		950	ug/Kg	12/22/08		HM	SW 8270
4-Nitrophenol	ND		950	ug/Kg	12/22/08		HM	SW 8270
Acenaphthene	ND		330	ug/Kg	12/22/08		HM	SW 8270
Acenaphthylene	ND		330	ug/Kg	12/22/08		HM	SW 8270
Anthracene	ND		330	ug/Kg	12/22/08		HM	SW 8270
Azobenzene	ND		330	ug/Kg	12/22/08		HM	SW 8270
Benz(a)anthracene	ND		330	ug/Kg	12/22/08		HM	SW 8270

Client ID: CT 132000 1

Phoenix I.D.: AR22807

Parameter	Result	RL	Units	Date	Time	By	Reference
Benzidine	ND	330	ug/Kg	12/22/08		HM	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Benzo(b)fluoranthene	ND	270 (J)	ug/Kg	12/22/08		HM	SW 8270
Benzo(ghi)perylene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Benzoic acid	ND	950	ug/Kg	12/22/08		HM	SW 8270
Benzyl alcohol	ND	390	ug/Kg	12/22/08		HM	SW 8270
Benzyl butyl phthalate	ND	330	ug/Kg	12/22/08		HM	SW 8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	12/22/08		HM	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	12/22/08		HM	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	12/22/08		HM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	12/22/08		HM	SW 8270
Chrysene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Dibenzofuran	ND	330	ug/Kg	12/22/08		HM	SW 8270
Diethyl phthalate	ND	330	ug/Kg	12/22/08		HM	SW 8270
Dimethylphthalate	ND	330	ug/Kg	12/22/08		HM	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	12/22/08		HM	SW 8270
Di-n-octylphthalate	ND	330	ug/Kg	12/22/08		HM	SW 8270
Fluoranthene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Fluorene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Hexachloroethane	ND	330	ug/Kg	12/22/08		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Isophorone	ND	330	ug/Kg	12/22/08		HM	SW 8270
Naphthalene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Nitrobenzene	ND	190 (J)	ug/Kg	12/22/08		HM	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	12/22/08		HM	SW 8270
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	12/22/08		HM	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	12/22/08		HM	SW 8270
Pentachlorophenol	ND	330	ug/Kg	12/22/08		HM	SW 8270
Phenanthrene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Phenol	ND	160 (J)	ug/Kg	12/22/08		HM	SW 8270
Pyrene	ND	330	ug/Kg	12/22/08		HM	SW 8270
Pyridine	ND	330	ug/Kg	12/22/08		HM	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	48		%	12/22/08		HM	SW 8270
% 2-Fluorobiphenyl	68		%	12/22/08		HM	SW 8270
% 2-Fluorophenol	59		%	12/22/08		HM	SW 8270
% Nitrobenzene-d5	66		%	12/22/08		HM	SW 8270
% Phenol-d5	66		%	12/22/08		HM	SW 8270
% Terphenyl-d14	54		%	12/22/08		HM	SW 8270

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

J = Estimated value reported at 110% of MDL study.

* In order to reach the desired MDL, the sample extracts were run undiluted causing the surrogates to be above the calibration range.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller

Phyllis Shiller, Laboratory Director
January 12, 2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8209-1

SDG Number: 220-8209

Job Description: NYSEG Machanicsville BackFill Soil

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Matt Thorpe



Approved for release.
Johanna Dubauskas
Project Manager I
3/11/2009 4:46 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
03/11/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541
Organochlorine Pesticides (GC)	TAL CT	SW846 8081A	
Ultrasonic Extraction	TAL CT		SW846 3550B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CT	SW846 8082	
Ultrasonic Extraction	TAL CT		SW846 3550B
Herbicides (GC)	TAL SAV	SW846 8151A	
Extraction (Herbicides)	TAL SAV		SW846 8151A
Metals (ICP)	TAL CT	SW846 6010B	
Preparation, Metals	TAL CT		SW846 3050B
Mercury (CVAA)	TAL CT	SW846 7471A	
Preparation, Mercury	TAL CT		SW846 7471A
Chromium, Hexavalent	TAL CT	SW846 7196A	
Chromium, Hexavalent	TAL SAV	SW846 7196A	
Alkaline Digestion (Chromium, Hexavalent)	TAL SAV		SW846 3060A
Cyanide, Total andor Amenable	TAL CT	SW846 9012B	
Cyanide, Total and/or Amenable, Distillation	TAL CT		SW846 9012B

Lab References:

TAL CT = TestAmerica Connecticut

TAL SAV = TestAmerica Savannah

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8270C	Jonas, Stephan	SJ
SW846 8081A	Cooper, Susan	SC
SW846 8082	Smith, Karli	KS
SW846 8151A	Kellar, Joshua	JK
SW846 6010B	Petronchak, Nestor	NP
SW846 7471A	Voytek, Joseph F	JFV
SW846 7196A	Nemeth, Doreen	DN
SW846 7196A	Ross, Jon	JR
SW846 9012B	Natoli, Richard A	RN
EPA PercentMoisture	Capece, Bill	BC

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8209-1	VPF1	Solid	02/27/2009 1500	02/28/2009 1030
220-8209-2	VPF2	Solid	02/27/2009 1500	02/28/2009 1030
220-8209-3	VBR1	Solid	02/27/2009 1500	02/28/2009 1030
220-8209-4	VBR2	Solid	02/27/2009 1500	02/28/2009 1030
220-8209-5	PPF1	Solid	02/27/2009 1500	02/28/2009 1030
220-8209-6	PPF2	Solid	02/27/2009 1500	02/28/2009 1030

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1402
Date Prepared: 03/03/2009 1402
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9278.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		5.5	U *	0.39	5.5
Chloromethane		5.5	U	0.86	5.5
Vinyl chloride		5.5	U	0.25	5.5
Bromomethane		5.5	U	2.3	5.5
Chloroethane		5.5	U	1.1	5.5
Trichlorofluoromethane		5.5	U	0.17	5.5
Trichlorotrifluoroethane(F-113)		5.5	U	0.87	5.5
1,1-Dichloroethene		5.5	U	0.64	5.5
Carbon disulfide		5.5	U	0.45	5.5
Methylene Chloride		7.4	J B	1.2	22
Acetone		22	U	2.5	22
trans-1,2-Dichloroethene		5.5	U	0.43	5.5
Acrylonitrile		5.5	U	1.6	5.5
1,1-Dichloroethane		5.5	U	0.33	5.5
cis-1,2-Dichloroethene		5.5	U	0.41	5.5
2,2-Dichloropropane		5.5	U	0.76	5.5
Bromochloromethane		5.5	U	0.63	5.5
Chloroform		5.5	U	0.38	5.5
Tetrahydrofuran		22	U	6.8	22
1,1,1-Trichloroethane		5.5	U	0.59	5.5
Carbon tetrachloride		5.5	U	1.1	5.5
1,1-Dichloropropene		28	U	0.63	28
Benzene		5.5	U	0.63	5.5
1,2-Dichloroethane		5.5	U	0.64	5.5
Trichloroethene		5.5	U	0.90	5.5
Dibromomethane		5.5	U	0.71	5.5
1,2-Dichloropropane		5.5	U	0.74	5.5
Bromodichloromethane		5.5	U	0.33	5.5
cis-1,3-Dichloropropene		5.5	U	0.62	5.5
trans-1,3-Dichloropropene		5.5	U	0.30	5.5
1,1,2-Trichloroethane		5.5	U	0.41	5.5
Toluene		5.5	U	0.082	5.5
4-Methyl-2-pentanone (MIBK)		5.5	U	0.61	5.5
Tetrachloroethene		5.5	U	0.90	5.5
Dibromochloromethane		5.5	U	0.39	5.5
1,3-Dichloropropane		5.5	U	0.75	5.5
2-Hexanone		11	U	1.3	11
Chlorobenzene		5.5	U	0.65	5.5
1,1,1,2-Tetrachloroethane		5.5	U	0.58	5.5
Ethylbenzene		5.5	U	0.77	5.5
Styrene		5.5	U	0.17	5.5
Bromoform		5.5	U	0.67	5.5
Isopropylbenzene		5.5	U	0.21	5.5
1,1,2,2-Tetrachloroethane		5.5	U	0.58	5.5

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1402
Date Prepared: 03/03/2009 1402
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9278.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		5.5	U	0.59	5.5
1,2,3-Trichloropropane		5.5	U	1.0	5.5
trans-1,4-Dichloro-2-butene		11	U	1.2	11
N-Propylbenzene		5.5	U	0.67	5.5
2-Chlorotoluene		5.5	U	0.71	5.5
4-Chlorotoluene		5.5	U	0.70	5.5
1,3,5-Trimethylbenzene		5.5	U	0.55	5.5
tert-Butylbenzene		5.5	U	0.32	5.5
1,2,4-Trimethylbenzene		5.5	U	0.84	5.5
sec-Butylbenzene		5.5	U	0.59	5.5
p-Isopropyltoluene		5.5	U	0.59	5.5
1,3-Dichlorobenzene		5.5	U	0.23	5.5
1,4-Dichlorobenzene		5.5	U	0.74	5.5
1,2-Dichlorobenzene		5.5	U	0.27	5.5
n-Butylbenzene		5.5	U	1.3	5.5
1,2-Dibromo-3-Chloropropane		11	U	5.0	11
1,2,4-Trichlorobenzene		5.5	U	0.83	5.5
Hexachlorobutadiene		5.5	U	0.69	5.5
Naphthalene		5.5	U	0.32	5.5
1,2,3-Trichlorobenzene		5.5	U	0.69	5.5
Xylenes, Total		5.5	U	0.54	5.5
m&p-Xylene		5.5	U	0.39	5.5
o-Xylene		5.5	U	0.21	5.5
Dibromoethane		5.5	U	0.84	5.5
Methyl tert-butyl ether		5.5	U	0.23	5.5

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	49 - 134
4-Bromofluorobenzene	94	36 - 133
Dibromofluoromethane	90	60 - 130
Toluene-d8 (Surr)	93	51 - 137

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1427
Date Prepared: 03/03/2009 1427
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9279.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		5.6	U *	0.39	5.6
Chloromethane		5.6	U	0.87	5.6
Vinyl chloride		5.6	U	0.26	5.6
Bromomethane		5.6	U	2.3	5.6
Chloroethane		5.6	U	1.1	5.6
Trichlorofluoromethane		5.6	U	0.17	5.6
Trichlorotrifluoroethane(F-113)		5.6	U	0.88	5.6
1,1-Dichloroethene		5.6	U	0.65	5.6
Carbon disulfide		5.6	U	0.46	5.6
Methylene Chloride		7.0	J B	1.2	22
Acetone		22	U	2.5	22
trans-1,2-Dichloroethene		5.6	U	0.43	5.6
Acrylonitrile		5.6	U	1.6	5.6
1,1-Dichloroethane		5.6	U	0.33	5.6
cis-1,2-Dichloroethene		5.6	U	0.41	5.6
2,2-Dichloropropane		5.6	U	0.77	5.6
Bromochloromethane		5.6	U	0.63	5.6
Chloroform		5.6	U	0.38	5.6
Tetrahydrofuran		22	U	6.9	22
1,1,1-Trichloroethane		5.6	U	0.59	5.6
Carbon tetrachloride		5.6	U	1.1	5.6
1,1-Dichloropropene		28	U	0.63	28
Benzene		5.6	U	0.63	5.6
1,2-Dichloroethane		5.6	U	0.65	5.6
Trichloroethene		5.6	U	0.90	5.6
Dibromomethane		5.6	U	0.71	5.6
1,2-Dichloropropane		5.6	U	0.75	5.6
Bromodichloromethane		5.6	U	0.33	5.6
cis-1,3-Dichloropropene		5.6	U	0.62	5.6
trans-1,3-Dichloropropene		5.6	U	0.30	5.6
1,1,2-Trichloroethane		5.6	U	0.41	5.6
Toluene		5.6	U	0.082	5.6
4-Methyl-2-pentanone (MIBK)		5.6	U	0.61	5.6
Tetrachloroethene		5.6	U	0.90	5.6
Dibromochloromethane		5.6	U	0.39	5.6
1,3-Dichloropropane		5.6	U	0.76	5.6
2-Hexanone		11	U	1.3	11
Chlorobenzene		5.6	U	0.66	5.6
1,1,1,2-Tetrachloroethane		5.6	U	0.58	5.6
Ethylbenzene		5.6	U	0.78	5.6
Styrene		5.6	U	0.17	5.6
Bromoform		5.6	U	0.68	5.6
Isopropylbenzene		5.6	U	0.21	5.6
1,1,2,2-Tetrachloroethane		5.6	U	0.58	5.6

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1427
Date Prepared: 03/03/2009 1427
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9279.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		5.6	U	0.59	5.6
1,2,3-Trichloropropane		5.6	U	1.0	5.6
trans-1,4-Dichloro-2-butene		11	U	1.2	11
N-Propylbenzene		5.6	U	0.68	5.6
2-Chlorotoluene		5.6	U	0.71	5.6
4-Chlorotoluene		5.6	U	0.70	5.6
1,3,5-Trimethylbenzene		5.6	U	0.56	5.6
tert-Butylbenzene		5.6	U	0.32	5.6
1,2,4-Trimethylbenzene		5.6	U	0.85	5.6
sec-Butylbenzene		5.6	U	0.59	5.6
p-Isopropyltoluene		5.6	U	0.59	5.6
1,3-Dichlorobenzene		5.6	U	0.23	5.6
1,4-Dichlorobenzene		5.6	U	0.75	5.6
1,2-Dichlorobenzene		5.6	U	0.27	5.6
n-Butylbenzene		5.6	U	1.3	5.6
1,2-Dibromo-3-Chloropropane		11	U	5.0	11
1,2,4-Trichlorobenzene		5.6	U	0.83	5.6
Hexachlorobutadiene		5.6	U	0.69	5.6
Naphthalene		5.6	U	0.32	5.6
1,2,3-Trichlorobenzene		5.6	U	0.69	5.6
Xylenes, Total		5.6	U	0.54	5.6
m&p-Xylene		5.6	U	0.39	5.6
o-Xylene		5.6	U	0.21	5.6
Dibromoethane		5.6	U	0.85	5.6
Methyl tert-butyl ether		5.6	U	0.23	5.6

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77	49 - 134
4-Bromofluorobenzene	85	36 - 133
Dibromofluoromethane	81	60 - 130
Toluene-d8 (Surr)	86	51 - 137

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1452
Date Prepared: 03/03/2009 1452
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9280.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		5.3	U *	0.37	5.3
Chloromethane		5.3	U	0.82	5.3
Vinyl chloride		5.3	U	0.24	5.3
Bromomethane		5.3	U	2.2	5.3
Chloroethane		5.3	U	1.0	5.3
Trichlorofluoromethane		5.3	U	0.16	5.3
Trichlorotrifluoroethane(F-113)		5.3	U	0.83	5.3
1,1-Dichloroethene		5.3	U	0.61	5.3
Carbon disulfide		5.3	U	0.43	5.3
Methylene Chloride		6.9	J B	1.1	21
Acetone		21	U	2.4	21
trans-1,2-Dichloroethene		5.3	U	0.41	5.3
Acrylonitrile		5.3	U	1.5	5.3
1,1-Dichloroethane		5.3	U	0.32	5.3
cis-1,2-Dichloroethene		5.3	U	0.39	5.3
2,2-Dichloropropane		5.3	U	0.73	5.3
Bromochloromethane		5.3	U	0.60	5.3
Chloroform		5.3	U	0.36	5.3
Tetrahydrofuran		21	U	6.5	21
1,1,1-Trichloroethane		5.3	U	0.56	5.3
Carbon tetrachloride		5.3	U	1.0	5.3
1,1-Dichloropropene		26	U	0.60	26
Benzene		5.3	U	0.60	5.3
1,2-Dichloroethane		5.3	U	0.61	5.3
Trichloroethene		5.3	U	0.85	5.3
Dibromomethane		5.3	U	0.67	5.3
1,2-Dichloropropane		5.3	U	0.71	5.3
Bromodichloromethane		5.3	U	0.32	5.3
cis-1,3-Dichloropropene		5.3	U	0.59	5.3
trans-1,3-Dichloropropene		5.3	U	0.28	5.3
1,1,2-Trichloroethane		5.3	U	0.39	5.3
Toluene		0.18	J	0.078	5.3
4-Methyl-2-pentanone (MIBK)		5.3	U	0.58	5.3
Tetrachloroethene		5.3	U	0.85	5.3
Dibromochloromethane		5.3	U	0.37	5.3
1,3-Dichloropropane		5.3	U	0.72	5.3
2-Hexanone		11	U	1.3	11
Chlorobenzene		5.3	U	0.62	5.3
1,1,1,2-Tetrachloroethane		5.3	U	0.55	5.3
Ethylbenzene		5.3	U	0.74	5.3
Styrene		5.3	U	0.16	5.3
Bromoform		5.3	U	0.64	5.3
Isopropylbenzene		5.3	U	0.20	5.3
1,1,2,2-Tetrachloroethane		5.3	U	0.55	5.3

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1452
Date Prepared: 03/03/2009 1452
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9280.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		5.3	U	0.56	5.3
1,2,3-Trichloropropane		5.3	U	0.97	5.3
trans-1,4-Dichloro-2-butene		11	U	1.2	11
N-Propylbenzene		5.3	U	0.64	5.3
2-Chlorotoluene		5.3	U	0.67	5.3
4-Chlorotoluene		5.3	U	0.66	5.3
1,3,5-Trimethylbenzene		5.3	U	0.53	5.3
tert-Butylbenzene		5.3	U	0.31	5.3
1,2,4-Trimethylbenzene		5.3	U	0.80	5.3
sec-Butylbenzene		5.3	U	0.56	5.3
p-Isopropyltoluene		5.3	U	0.56	5.3
1,3-Dichlorobenzene		5.3	U	0.22	5.3
1,4-Dichlorobenzene		5.3	U	0.71	5.3
1,2-Dichlorobenzene		5.3	U	0.25	5.3
n-Butylbenzene		5.3	U	1.2	5.3
1,2-Dibromo-3-Chloropropane		11	U	4.8	11
1,2,4-Trichlorobenzene		5.3	U	0.79	5.3
Hexachlorobutadiene		5.3	U	0.65	5.3
Naphthalene		5.3	U	0.31	5.3
1,2,3-Trichlorobenzene		5.3	U	0.65	5.3
Xylenes, Total		5.3	U	0.51	5.3
m&p-Xylene		5.3	U	0.37	5.3
o-Xylene		5.3	U	0.20	5.3
Dibromoethane		5.3	U	0.80	5.3
Methyl tert-butyl ether		5.3	U	0.22	5.3

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81	49 - 134
4-Bromofluorobenzene	75	36 - 133
Dibromofluoromethane	82	60 - 130
Toluene-d8 (Surr)	76	51 - 137

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1517
Date Prepared: 03/03/2009 1517
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9281.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		5.3	U *	0.37	5.3
Chloromethane		5.3	U	0.82	5.3
Vinyl chloride		5.3	U	0.24	5.3
Bromomethane		5.3	U	2.2	5.3
Chloroethane		5.3	U	1.0	5.3
Trichlorofluoromethane		5.3	U	0.16	5.3
Trichlorotrifluoroethane(F-113)		5.3	U	0.83	5.3
1,1-Dichloroethene		5.3	U	0.61	5.3
Carbon disulfide		5.3	U	0.43	5.3
Methylene Chloride		6.7	J B	1.1	21
Acetone		21	U	2.4	21
trans-1,2-Dichloroethene		5.3	U	0.41	5.3
Acrylonitrile		5.3	U	1.5	5.3
1,1-Dichloroethane		5.3	U	0.32	5.3
cis-1,2-Dichloroethene		5.3	U	0.39	5.3
2,2-Dichloropropane		5.3	U	0.73	5.3
Bromochloromethane		5.3	U	0.60	5.3
Chloroform		5.3	U	0.36	5.3
Tetrahydrofuran		21	U	6.5	21
1,1,1-Trichloroethane		5.3	U	0.56	5.3
Carbon tetrachloride		5.3	U	1.0	5.3
1,1-Dichloropropene		26	U	0.60	26
Benzene		5.3	U	0.60	5.3
1,2-Dichloroethane		5.3	U	0.61	5.3
Trichloroethene		5.3	U	0.85	5.3
Dibromomethane		5.3	U	0.67	5.3
1,2-Dichloropropane		5.3	U	0.71	5.3
Bromodichloromethane		5.3	U	0.32	5.3
cis-1,3-Dichloropropene		5.3	U	0.59	5.3
trans-1,3-Dichloropropene		5.3	U	0.28	5.3
1,1,2-Trichloroethane		5.3	U	0.39	5.3
Toluene		0.33	J	0.078	5.3
4-Methyl-2-pentanone (MIBK)		5.3	U	0.58	5.3
Tetrachloroethene		5.3	U	0.85	5.3
Dibromochloromethane		5.3	U	0.37	5.3
1,3-Dichloropropane		5.3	U	0.72	5.3
2-Hexanone		11	U	1.3	11
Chlorobenzene		5.3	U	0.62	5.3
1,1,1,2-Tetrachloroethane		5.3	U	0.55	5.3
Ethylbenzene		5.3	U	0.74	5.3
Styrene		5.3	U	0.16	5.3
Bromoform		5.3	U	0.64	5.3
Isopropylbenzene		5.3	U	0.20	5.3
1,1,2,2-Tetrachloroethane		5.3	U	0.55	5.3

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1517
Date Prepared: 03/03/2009 1517
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9281.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		5.3	U	0.56	5.3
1,2,3-Trichloropropane		5.3	U	0.97	5.3
trans-1,4-Dichloro-2-butene		11	U	1.2	11
N-Propylbenzene		5.3	U	0.64	5.3
2-Chlorotoluene		5.3	U	0.67	5.3
4-Chlorotoluene		5.3	U	0.66	5.3
1,3,5-Trimethylbenzene		5.3	U	0.53	5.3
tert-Butylbenzene		5.3	U	0.31	5.3
1,2,4-Trimethylbenzene		5.3	U	0.80	5.3
sec-Butylbenzene		5.3	U	0.56	5.3
p-Isopropyltoluene		5.3	U	0.56	5.3
1,3-Dichlorobenzene		5.3	U	0.22	5.3
1,4-Dichlorobenzene		5.3	U	0.71	5.3
1,2-Dichlorobenzene		5.3	U	0.25	5.3
n-Butylbenzene		5.3	U	1.2	5.3
1,2-Dibromo-3-Chloropropane		11	U	4.8	11
1,2,4-Trichlorobenzene		5.3	U	0.79	5.3
Hexachlorobutadiene		5.3	U	0.65	5.3
Naphthalene		5.3	U	0.31	5.3
1,2,3-Trichlorobenzene		5.3	U	0.65	5.3
Xylenes, Total		5.3	U	0.51	5.3
m&p-Xylene		5.3	U	0.37	5.3
o-Xylene		5.3	U	0.20	5.3
Dibromoethane		5.3	U	0.80	5.3
Methyl tert-butyl ether		5.3	U	0.22	5.3

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	49 - 134
4-Bromofluorobenzene	75	36 - 133
Dibromofluoromethane	83	60 - 130
Toluene-d8 (Surr)	79	51 - 137

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1542
Date Prepared: 03/03/2009 1542
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9282.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		5.8	U *	0.40	5.8
Chloromethane		5.8	U	0.90	5.8
Vinyl chloride		5.8	U	0.27	5.8
Bromomethane		5.8	U	2.4	5.8
Chloroethane		5.8	U	1.1	5.8
Trichlorofluoromethane		5.8	U	0.17	5.8
Trichlorotrifluoroethane(F-113)		5.8	U	0.91	5.8
1,1-Dichloroethene		5.8	U	0.67	5.8
Carbon disulfide		5.8	U	0.47	5.8
Methylene Chloride		7.3	J B	1.3	23
Acetone		23	U	2.6	23
trans-1,2-Dichloroethene		5.8	U	0.45	5.8
Acrylonitrile		5.8	U	1.6	5.8
1,1-Dichloroethane		5.8	U	0.35	5.8
cis-1,2-Dichloroethene		5.8	U	0.43	5.8
2,2-Dichloropropane		5.8	U	0.80	5.8
Bromochloromethane		5.8	U	0.66	5.8
Chloroform		5.8	U	0.39	5.8
Tetrahydrofuran		23	U	7.1	23
1,1,1-Trichloroethane		5.8	U	0.61	5.8
Carbon tetrachloride		5.8	U	1.1	5.8
1,1-Dichloropropene		29	U	0.66	29
Benzene		5.8	U	0.66	5.8
1,2-Dichloroethane		5.8	U	0.67	5.8
Trichloroethene		5.8	U	0.94	5.8
Dibromomethane		5.8	U	0.74	5.8
1,2-Dichloropropane		5.8	U	0.77	5.8
Bromodichloromethane		5.8	U	0.35	5.8
cis-1,3-Dichloropropene		5.8	U	0.65	5.8
trans-1,3-Dichloropropene		5.8	U	0.31	5.8
1,1,2-Trichloroethane		5.8	U	0.43	5.8
Toluene		5.8	U	0.086	5.8
4-Methyl-2-pentanone (MIBK)		5.8	U	0.64	5.8
Tetrachloroethene		5.8	U	0.94	5.8
Dibromochloromethane		5.8	U	0.40	5.8
1,3-Dichloropropane		5.8	U	0.79	5.8
2-Hexanone		12	U	1.4	12
Chlorobenzene		5.8	U	0.68	5.8
1,1,1,2-Tetrachloroethane		5.8	U	0.60	5.8
Ethylbenzene		5.8	U	0.81	5.8
Styrene		5.8	U	0.17	5.8
Bromoform		5.8	U	0.71	5.8
Isopropylbenzene		5.8	U	0.22	5.8
1,1,2,2-Tetrachloroethane		5.8	U	0.60	5.8

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1542
Date Prepared: 03/03/2009 1542
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9282.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		5.8	U	0.61	5.8
1,2,3-Trichloropropane		5.8	U	1.1	5.8
trans-1,4-Dichloro-2-butene		12	U	1.3	12
N-Propylbenzene		5.8	U	0.71	5.8
2-Chlorotoluene		5.8	U	0.74	5.8
4-Chlorotoluene		5.8	U	0.73	5.8
1,3,5-Trimethylbenzene		5.8	U	0.58	5.8
tert-Butylbenzene		5.8	U	0.34	5.8
1,2,4-Trimethylbenzene		5.8	U	0.88	5.8
sec-Butylbenzene		5.8	U	0.61	5.8
p-Isopropyltoluene		5.8	U	0.61	5.8
1,3-Dichlorobenzene		5.8	U	0.24	5.8
1,4-Dichlorobenzene		5.8	U	0.77	5.8
1,2-Dichlorobenzene		5.8	U	0.28	5.8
n-Butylbenzene		5.8	U	1.3	5.8
1,2-Dibromo-3-Chloropropane		12	U	5.2	12
1,2,4-Trichlorobenzene		5.8	U	0.87	5.8
Hexachlorobutadiene		5.8	U	0.72	5.8
Naphthalene		5.8	U	0.34	5.8
1,2,3-Trichlorobenzene		5.8	U	0.72	5.8
Xylenes, Total		5.8	U	0.56	5.8
m&p-Xylene		5.8	U	0.40	5.8
o-Xylene		5.8	U	0.22	5.8
Dibromoethane		5.8	U	0.88	5.8
Methyl tert-butyl ether		5.8	U	0.24	5.8

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	90	49 - 134
4-Bromofluorobenzene	83	36 - 133
Dibromofluoromethane	86	60 - 130
Toluene-d8 (Surr)	87	51 - 137

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID: 220-8209-6
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1607
Date Prepared: 03/03/2009 1607
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9283.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		5.8	U *	0.40	5.8
Chloromethane		5.8	U	0.90	5.8
Vinyl chloride		5.8	U	0.27	5.8
Bromomethane		5.8	U	2.4	5.8
Chloroethane		5.8	U	1.1	5.8
Trichlorofluoromethane		5.8	U	0.17	5.8
Trichlorotrifluoroethane(F-113)		5.8	U	0.91	5.8
1,1-Dichloroethene		5.8	U	0.67	5.8
Carbon disulfide		5.8	U	0.47	5.8
Methylene Chloride		7.1	J B	1.3	23
Acetone		23	U	2.6	23
trans-1,2-Dichloroethene		5.8	U	0.45	5.8
Acrylonitrile		5.8	U	1.6	5.8
1,1-Dichloroethane		5.8	U	0.35	5.8
cis-1,2-Dichloroethene		5.8	U	0.43	5.8
2,2-Dichloropropane		5.8	U	0.80	5.8
Bromochloromethane		5.8	U	0.66	5.8
Chloroform		5.8	U	0.39	5.8
Tetrahydrofuran		23	U	7.1	23
1,1,1-Trichloroethane		5.8	U	0.61	5.8
Carbon tetrachloride		5.8	U	1.1	5.8
1,1-Dichloropropene		29	U	0.66	29
Benzene		5.8	U	0.66	5.8
1,2-Dichloroethane		5.8	U	0.67	5.8
Trichloroethene		5.8	U	0.94	5.8
Dibromomethane		5.8	U	0.74	5.8
1,2-Dichloropropane		5.8	U	0.77	5.8
Bromodichloromethane		5.8	U	0.35	5.8
cis-1,3-Dichloropropene		5.8	U	0.65	5.8
trans-1,3-Dichloropropene		5.8	U	0.31	5.8
1,1,2-Trichloroethane		5.8	U	0.43	5.8
Toluene		5.8	U	0.085	5.8
4-Methyl-2-pentanone (MIBK)		5.8	U	0.64	5.8
Tetrachloroethene		5.8	U	0.94	5.8
Dibromochloromethane		5.8	U	0.40	5.8
1,3-Dichloropropane		5.8	U	0.79	5.8
2-Hexanone		12	U	1.4	12
Chlorobenzene		5.8	U	0.68	5.8
1,1,1,2-Tetrachloroethane		5.8	U	0.60	5.8
Ethylbenzene		5.8	U	0.81	5.8
Styrene		5.8	U	0.17	5.8
Bromoform		5.8	U	0.70	5.8
Isopropylbenzene		5.8	U	0.22	5.8
1,1,2,2-Tetrachloroethane		5.8	U	0.60	5.8

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID: 220-8209-6
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/03/2009 1607
Date Prepared: 03/03/2009 1607
Analysis Batch: 220-24778
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O9283.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		5.8	U	0.61	5.8
1,2,3-Trichloropropane		5.8	U	1.1	5.8
trans-1,4-Dichloro-2-butene		12	U	1.3	12
N-Propylbenzene		5.8	U	0.70	5.8
2-Chlorotoluene		5.8	U	0.74	5.8
4-Chlorotoluene		5.8	U	0.73	5.8
1,3,5-Trimethylbenzene		5.8	U	0.58	5.8
tert-Butylbenzene		5.8	U	0.33	5.8
1,2,4-Trimethylbenzene		5.8	U	0.88	5.8
sec-Butylbenzene		5.8	U	0.61	5.8
p-Isopropyltoluene		5.8	U	0.61	5.8
1,3-Dichlorobenzene		5.8	U	0.24	5.8
1,4-Dichlorobenzene		5.8	U	0.77	5.8
1,2-Dichlorobenzene		5.8	U	0.28	5.8
n-Butylbenzene		5.8	U	1.3	5.8
1,2-Dibromo-3-Chloropropane		12	U	5.2	12
1,2,4-Trichlorobenzene		5.8	U	0.87	5.8
Hexachlorobutadiene		5.8	U	0.72	5.8
Naphthalene		5.8	U	0.33	5.8
1,2,3-Trichlorobenzene		5.8	U	0.72	5.8
Xylenes, Total		5.8	U	0.56	5.8
m&p-Xylene		5.8	U	0.40	5.8
o-Xylene		5.8	U	0.22	5.8
Dibromoethane		5.8	U	0.88	5.8
Methyl tert-butyl ether		5.8	U	0.24	5.8

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	49 - 134
4-Bromofluorobenzene	82	36 - 133
Dibromofluoromethane	84	60 - 130
Toluene-d8 (Surr)	79	51 - 137

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1652
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4067.D
Initial Weight/Volume: 15.10 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pyridine		1400	U	160	1400
N-Nitrosodimethylamine		740	U	130	740
Phenol		300	U	61	300
Bis(2-chloroethyl)ether		300	U	84	300
2-Chlorophenol		300	U	67	300
1,3-Dichlorobenzene		300	U	49	300
1,4-Dichlorobenzene		300	U	64	300
Benzyl alcohol		300	U	51	300
1,2-Dichlorobenzene		300	U	59	300
bis (2-chloroisopropyl) ether		300	U	71	300
2-Methylphenol		300	U	54	300
Hexachloroethane		300	U	58	300
N-Nitrosodi-n-propylamine		300	U	74	300
4-Methylphenol		300	U	71	300
Nitrobenzene		300	U	72	300
Isophorone		300	U	68	300
2-Nitrophenol		300	U	52	300
2,4-Dimethylphenol		300	U	48	300
Benzoic acid		1900	U *	52	1900
Bis(2-chloroethoxy)methane		300	U	61	300
2,4-Dichlorophenol		300	U	62	300
1,2,4-Trichlorobenzene		300	U	60	300
Naphthalene		300	U	65	300
4-Chloroaniline		300	U	48	300
Hexachlorobutadiene		300	U	63	300
4-Chloro-3-methylphenol		300	U	53	300
2-Methylnaphthalene		300	U	68	300
Hexachlorocyclopentadiene		740	U	92	740
2,4,6-Trichlorophenol		300	U	60	300
2,4,5-Trichlorophenol		1900	U	54	1900
2-Chloronaphthalene		300	U	63	300
2-Nitroaniline		1900	U	58	1900
Acenaphthylene		300	U	68	300
Dimethyl phthalate		300	U	63	300
2,6-Dinitrotoluene		300	U	49	300
Acenaphthene		300	U	64	300
3-Nitroaniline		1900	U	56	1900
2,4-Dinitrophenol		1900	U *	400	1900
Dibenzofuran		300	U	65	300
2,4-Dinitrotoluene		300	U	56	300
4-Nitrophenol		1900	U	66	1900
Fluorene		300	U	67	300
4-Chlorophenyl phenyl ether		300	U	63	300
Diethyl phthalate		300	U	69	300

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1652
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4067.D
Initial Weight/Volume: 15.10 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitroaniline		300	U	56	300
4,6-Dinitro-2-methylphenol		1900	U	27	1900
N-Nitrosodiphenylamine		300	U	59	300
4-Bromophenyl phenyl ether		300	U	55	300
Hexachlorobenzene		300	U	71	300
Pentachlorophenol		1900	U	36	1900
Phenanthrene		300	U	64	300
Anthracene		300	U	66	300
Di-n-butyl phthalate		300	U	69	300
Fluoranthene		300	U	66	300
Benzidine		300	U	59	300
Pyrene		300	U	73	300
Butyl benzyl phthalate		300	U	60	300
3,3'-Dichlorobenzidine		740	U	61	740
Benzo[a]anthracene		300	U	55	300
Chrysene		300	U	63	300
Bis(2-ethylhexyl) phthalate		300	U	59	300
Di-n-octyl phthalate		300	U	52	300
Benzo[b]fluoranthene		300	U	53	300
Benzo[k]fluoranthene		300	U	47	300
Benzo[a]pyrene		300	U	41	300
Indeno[1,2,3-cd]pyrene		300	U	41	300
Dibenz(a,h)anthracene		300	U	37	300
Benzo[g,h,i]perylene		300	U	42	300

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	76	25 - 113
Terphenyl-d14	108	35 - 140
Phenol-d5	75	27 - 122
Nitrobenzene-d5	76	25 - 120
2-Fluorobiphenyl	81	32 - 131
2,4,6-Tribromophenol	78	24 - 150

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1718
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4068.D
Initial Weight/Volume: 15.58 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pyridine		1400	U	160	1400
N-Nitrosodimethylamine		720	U	130	720
Phenol		290	U	59	290
Bis(2-chloroethyl)ether		290	U	82	290
2-Chlorophenol		290	U	65	290
1,3-Dichlorobenzene		290	U	48	290
1,4-Dichlorobenzene		290	U	62	290
Benzyl alcohol		290	U	50	290
1,2-Dichlorobenzene		290	U	58	290
bis (2-chloroisopropyl) ether		290	U	69	290
2-Methylphenol		290	U	52	290
Hexachloroethane		290	U	56	290
N-Nitrosodi-n-propylamine		290	U	72	290
4-Methylphenol		290	U	69	290
Nitrobenzene		290	U	70	290
Isophorone		290	U	66	290
2-Nitrophenol		290	U	50	290
2,4-Dimethylphenol		290	U	47	290
Benzoic acid		1800	U *	50	1800
Bis(2-chloroethoxy)methane		290	U	59	290
2,4-Dichlorophenol		290	U	60	290
1,2,4-Trichlorobenzene		290	U	59	290
Naphthalene		290	U	63	290
4-Chloroaniline		290	U	47	290
Hexachlorobutadiene		290	U	61	290
4-Chloro-3-methylphenol		290	U	52	290
2-Methylnaphthalene		290	U	66	290
Hexachlorocyclopentadiene		720	U	90	720
2,4,6-Trichlorophenol		290	U	58	290
2,4,5-Trichlorophenol		1800	U	53	1800
2-Chloronaphthalene		290	U	62	290
2-Nitroaniline		1800	U	57	1800
Acenaphthylene		290	U	66	290
Dimethyl phthalate		290	U	61	290
2,6-Dinitrotoluene		290	U	48	290
Acenaphthene		290	U	63	290
3-Nitroaniline		1800	U	55	1800
2,4-Dinitrophenol		1800	U *	390	1800
Dibenzofuran		290	U	63	290
2,4-Dinitrotoluene		290	U	55	290
4-Nitrophenol		1800	U	65	1800
Fluorene		290	U	66	290
4-Chlorophenyl phenyl ether		290	U	61	290
Diethyl phthalate		290	U	67	290

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1718
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4068.D
Initial Weight/Volume: 15.58 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitroaniline		290	U	54	290
4,6-Dinitro-2-methylphenol		1800	U	26	1800
N-Nitrosodiphenylamine		290	U	58	290
4-Bromophenyl phenyl ether		290	U	53	290
Hexachlorobenzene		290	U	69	290
Pentachlorophenol		1800	U	36	1800
Phenanthrene		290	U	63	290
Anthracene		290	U	64	290
Di-n-butyl phthalate		290	U	68	290
Fluoranthene		290	U	64	290
Benzidine		290	U	57	290
Pyrene		290	U	71	290
Butyl benzyl phthalate		290	U	59	290
3,3'-Dichlorobenzidine		720	U	59	720
Benzo[a]anthracene		290	U	54	290
Chrysene		290	U	61	290
Bis(2-ethylhexyl) phthalate		290	U	57	290
Di-n-octyl phthalate		290	U	51	290
Benzo[b]fluoranthene		290	U	51	290
Benzo[k]fluoranthene		290	U	46	290
Benzo[a]pyrene		290	U	40	290
Indeno[1,2,3-cd]pyrene		290	U	40	290
Dibenz(a,h)anthracene		290	U	36	290
Benzo[g,h,i]perylene		290	U	41	290

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	76	25 - 113
Terphenyl-d14	111	35 - 140
Phenol-d5	74	27 - 122
Nitrobenzene-d5	75	25 - 120
2-Fluorobiphenyl	81	32 - 131
2,4,6-Tribromophenol	78	24 - 150

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1744
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4069.D
Initial Weight/Volume: 15.70 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pyridine		1300	U	150	1300
N-Nitrosodimethylamine		670	U	120	670
Phenol		270	U	56	270
Bis(2-chloroethyl)ether		270	U	77	270
2-Chlorophenol		270	U	61	270
1,3-Dichlorobenzene		270	U	45	270
1,4-Dichlorobenzene		270	U	58	270
Benzyl alcohol		270	U	47	270
1,2-Dichlorobenzene		270	U	54	270
bis (2-chloroisopropyl) ether		270	U	65	270
2-Methylphenol		270	U	49	270
Hexachloroethane		270	U	53	270
N-Nitrosodi-n-propylamine		270	U	67	270
4-Methylphenol		270	U	65	270
Nitrobenzene		270	U	66	270
Isophorone		270	U	62	270
2-Nitrophenol		270	U	47	270
2,4-Dimethylphenol		270	U	44	270
Benzoic acid		1700	U *	47	1700
Bis(2-chloroethoxy)methane		270	U	56	270
2,4-Dichlorophenol		270	U	56	270
1,2,4-Trichlorobenzene		270	U	55	270
Naphthalene		270	U	59	270
4-Chloroaniline		270	U	44	270
Hexachlorobutadiene		270	U	58	270
4-Chloro-3-methylphenol		270	U	49	270
2-Methylnaphthalene		270	U	62	270
Hexachlorocyclopentadiene		670	U	84	670
2,4,6-Trichlorophenol		270	U	55	270
2,4,5-Trichlorophenol		1700	U	50	1700
2-Chloronaphthalene		270	U	58	270
2-Nitroaniline		1700	U	53	1700
Acenaphthylene		270	U	62	270
Dimethyl phthalate		270	U	57	270
2,6-Dinitrotoluene		270	U	45	270
Acenaphthene		270	U	59	270
3-Nitroaniline		1700	U	51	1700
2,4-Dinitrophenol		1700	U *	370	1700
Dibenzofuran		270	U	59	270
2,4-Dinitrotoluene		270	U	51	270
4-Nitrophenol		1700	U	61	1700
Fluorene		270	U	62	270
4-Chlorophenyl phenyl ether		270	U	57	270
Diethyl phthalate		270	U	63	270

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1744
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4069.D
Initial Weight/Volume: 15.70 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitroaniline		270	U	51	270
4,6-Dinitro-2-methylphenol		1700	U	25	1700
N-Nitrosodiphenylamine		270	U	54	270
4-Bromophenyl phenyl ether		270	U	50	270
Hexachlorobenzene		270	U	65	270
Pentachlorophenol		1700	U	33	1700
Phenanthrene		270	U	59	270
Anthracene		270	U	60	270
Di-n-butyl phthalate		270	U	64	270
Fluoranthene		270	U	60	270
Benzidine		270	U	54	270
Pyrene		270	U	67	270
Butyl benzyl phthalate		270	U	55	270
3,3'-Dichlorobenzidine		670	U	56	670
Benzo[a]anthracene		270	U	50	270
Chrysene		270	U	58	270
Bis(2-ethylhexyl) phthalate		270	U	54	270
Di-n-octyl phthalate		270	U	48	270
Benzo[b]fluoranthene		270	U	48	270
Benzo[k]fluoranthene		270	U	43	270
Benzo[a]pyrene		270	U	38	270
Indeno[1,2,3-cd]pyrene		270	U	37	270
Dibenz(a,h)anthracene		270	U	34	270
Benzo[g,h,i]perylene		270	U	38	270

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	73	25 - 113
Terphenyl-d14	97	35 - 140
Phenol-d5	70	27 - 122
Nitrobenzene-d5	75	25 - 120
2-Fluorobiphenyl	79	32 - 131
2,4,6-Tribromophenol	68	24 - 150

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1810
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4070.D
Initial Weight/Volume: 15.32 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pyridine		1300	U	150	1300
N-Nitrosodimethylamine		690	U	120	690
Phenol		280	U	57	280
Bis(2-chloroethyl)ether		280	U	78	280
2-Chlorophenol		280	U	63	280
1,3-Dichlorobenzene		280	U	46	280
1,4-Dichlorobenzene		280	U	60	280
Benzyl alcohol		280	U	48	280
1,2-Dichlorobenzene		280	U	56	280
bis (2-chloroisopropyl) ether		280	U	66	280
2-Methylphenol		280	U	50	280
Hexachloroethane		280	U	54	280
N-Nitrosodi-n-propylamine		280	U	69	280
4-Methylphenol		280	U	66	280
Nitrobenzene		280	U	68	280
Isophorone		280	U	64	280
2-Nitrophenol		280	U	49	280
2,4-Dimethylphenol		280	U	45	280
Benzoic acid		1800	U *	48	1800
Bis(2-chloroethoxy)methane		280	U	57	280
2,4-Dichlorophenol		280	U	58	280
1,2,4-Trichlorobenzene		280	U	56	280
Naphthalene		280	U	61	280
4-Chloroaniline		280	U	45	280
Hexachlorobutadiene		280	U	59	280
4-Chloro-3-methylphenol		280	U	50	280
2-Methylnaphthalene		280	U	64	280
Hexachlorocyclopentadiene		690	U	86	690
2,4,6-Trichlorophenol		280	U	56	280
2,4,5-Trichlorophenol		1800	U	51	1800
2-Chloronaphthalene		280	U	59	280
2-Nitroaniline		1800	U	55	1800
Acenaphthylene		280	U	64	280
Dimethyl phthalate		280	U	59	280
2,6-Dinitrotoluene		280	U	46	280
Acenaphthene		280	U	60	280
3-Nitroaniline		1800	U	52	1800
2,4-Dinitrophenol		1800	U *	380	1800
Dibenzofuran		280	U	61	280
2,4-Dinitrotoluene		280	U	53	280
4-Nitrophenol		1800	U	62	1800
Fluorene		280	U	63	280
4-Chlorophenyl phenyl ether		280	U	59	280
Diethyl phthalate		280	U	65	280

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1810
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4070.D
Initial Weight/Volume: 15.32 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitroaniline		280	U	52	280
4,6-Dinitro-2-methylphenol		1800	U	25	1800
N-Nitrosodiphenylamine		280	U	56	280
4-Bromophenyl phenyl ether		280	U	51	280
Hexachlorobenzene		280	U	66	280
Pentachlorophenol		1800	U	34	1800
Phenanthrene		280	U	60	280
Anthracene		280	U	61	280
Di-n-butyl phthalate		280	U	65	280
Fluoranthene		280	U	62	280
Benzidine		280	U	55	280
Pyrene		280	U	68	280
Butyl benzyl phthalate		280	U	56	280
3,3'-Dichlorobenzidine		690	U	57	690
Benzo[a]anthracene		280	U	52	280
Chrysene		280	U	59	280
Bis(2-ethylhexyl) phthalate		280	U	55	280
Di-n-octyl phthalate		280	U	49	280
Benzo[b]fluoranthene		280	U	49	280
Benzo[k]fluoranthene		280	U	45	280
Benzo[a]pyrene		280	U	39	280
Indeno[1,2,3-cd]pyrene		280	U	38	280
Dibenz(a,h)anthracene		280	U	35	280
Benzo[g,h,i]perylene		280	U	39	280

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	72	25 - 113
Terphenyl-d14	97	35 - 140
Phenol-d5	71	27 - 122
Nitrobenzene-d5	74	25 - 120
2-Fluorobiphenyl	79	32 - 131
2,4,6-Tribromophenol	67	24 - 150

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1836
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4071.D
Initial Weight/Volume: 15.04 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pyridine		1500	U	170	1500
N-Nitrosodimethylamine		770	U	140	770
Phenol		310	U	64	310
Bis(2-chloroethyl)ether		310	U	88	310
2-Chlorophenol		310	U	70	310
1,3-Dichlorobenzene		310	U	52	310
1,4-Dichlorobenzene		310	U	67	310
Benzyl alcohol		310	U	54	310
1,2-Dichlorobenzene		310	U	62	310
bis (2-chloroisopropyl) ether		310	U	74	310
2-Methylphenol		310	U	56	310
Hexachloroethane		310	U	61	310
N-Nitrosodi-n-propylamine		310	U	77	310
4-Methylphenol		310	U	74	310
Nitrobenzene		310	U	76	310
Isophorone		310	U	71	310
2-Nitrophenol		310	U	54	310
2,4-Dimethylphenol		310	U	51	310
Benzoic acid		2000	U *	54	2000
Bis(2-chloroethoxy)methane		310	U	64	310
2,4-Dichlorophenol		310	U	65	310
1,2,4-Trichlorobenzene		310	U	63	310
Naphthalene		310	U	68	310
4-Chloroaniline		310	U	51	310
Hexachlorobutadiene		310	U	66	310
4-Chloro-3-methylphenol		310	U	56	310
2-Methylnaphthalene		310	U	71	310
Hexachlorocyclopentadiene		770	U	97	770
2,4,6-Trichlorophenol		310	U	63	310
2,4,5-Trichlorophenol		2000	U	57	2000
2-Chloronaphthalene		310	U	66	310
2-Nitroaniline		2000	U	61	2000
Acenaphthylene		310	U	71	310
Dimethyl phthalate		310	U	66	310
2,6-Dinitrotoluene		310	U	51	310
Acenaphthene		310	U	67	310
3-Nitroaniline		2000	U	59	2000
2,4-Dinitrophenol		2000	U *	420	2000
Dibenzofuran		310	U	68	310
2,4-Dinitrotoluene		310	U	59	310
4-Nitrophenol		2000	U	70	2000
Fluorene		310	U	71	310
4-Chlorophenyl phenyl ether		310	U	66	310
Diethyl phthalate		310	U	72	310

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1836
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4071.D
Initial Weight/Volume: 15.04 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitroaniline		310	U	58	310
4,6-Dinitro-2-methylphenol		2000	U	28	2000
N-Nitrosodiphenylamine		310	U	62	310
4-Bromophenyl phenyl ether		310	U	57	310
Hexachlorobenzene		310	U	74	310
Pentachlorophenol		2000	U	38	2000
Phenanthrene		310	U	68	310
Anthracene		310	U	69	310
Di-n-butyl phthalate		310	U	73	310
Fluoranthene		310	U	69	310
Benzidine		310	U	61	310
Pyrene		310	U	76	310
Butyl benzyl phthalate		310	U	63	310
3,3'-Dichlorobenzidine		770	U	64	770
Benzo[a]anthracene		310	U	58	310
Chrysene		310	U	66	310
Bis(2-ethylhexyl) phthalate		310	U	62	310
Di-n-octyl phthalate		310	U	55	310
Benzo[b]fluoranthene		310	U	55	310
Benzo[k]fluoranthene		310	U	50	310
Benzo[a]pyrene		310	U	43	310
Indeno[1,2,3-cd]pyrene		310	U	43	310
Dibenz(a,h)anthracene		310	U	39	310
Benzo[g,h,i]perylene		310	U	44	310

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	73	25 - 113
Terphenyl-d14	102	35 - 140
Phenol-d5	71	27 - 122
Nitrobenzene-d5	74	25 - 120
2-Fluorobiphenyl	78	32 - 131
2,4,6-Tribromophenol	73	24 - 150

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID: 220-8209-6
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1902
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4072.D
Initial Weight/Volume: 15.19 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pyridine		1500	U	170	1500
N-Nitrosodimethylamine		760	U	140	760
Phenol		310	U	63	310
Bis(2-chloroethyl)ether		310	U	87	310
2-Chlorophenol		310	U	69	310
1,3-Dichlorobenzene		310	U	51	310
1,4-Dichlorobenzene		310	U	66	310
Benzyl alcohol		310	U	53	310
1,2-Dichlorobenzene		310	U	61	310
bis (2-chloroisopropyl) ether		310	U	73	310
2-Methylphenol		310	U	56	310
Hexachloroethane		310	U	60	310
N-Nitrosodi-n-propylamine		310	U	76	310
4-Methylphenol		310	U	73	310
Nitrobenzene		310	U	75	310
Isophorone		310	U	70	310
2-Nitrophenol		310	U	54	310
2,4-Dimethylphenol		310	U	50	310
Benzoic acid		1900	U *	54	1900
Bis(2-chloroethoxy)methane		310	U	63	310
2,4-Dichlorophenol		310	U	64	310
1,2,4-Trichlorobenzene		310	U	62	310
Naphthalene		310	U	67	310
4-Chloroaniline		310	U	50	310
Hexachlorobutadiene		310	U	65	310
4-Chloro-3-methylphenol		310	U	55	310
2-Methylnaphthalene		310	U	70	310
Hexachlorocyclopentadiene		760	U	96	760
2,4,6-Trichlorophenol		310	U	62	310
2,4,5-Trichlorophenol		1900	U	56	1900
2-Chloronaphthalene		310	U	65	310
2-Nitroaniline		1900	U	60	1900
Acenaphthylene		310	U	70	310
Dimethyl phthalate		310	U	65	310
2,6-Dinitrotoluene		310	U	51	310
Acenaphthene		310	U	67	310
3-Nitroaniline		1900	U	58	1900
2,4-Dinitrophenol		1900	U *	420	1900
Dibenzofuran		310	U	67	310
2,4-Dinitrotoluene		310	U	58	310
4-Nitrophenol		1900	U	69	1900
Fluorene		310	U	70	310
4-Chlorophenyl phenyl ether		310	U	65	310
Diethyl phthalate		310	U	71	310

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID: 220-8209-6
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 03/03/2009 1902
Date Prepared: 03/02/2009 0834
Analysis Batch: 220-24790
Prep Batch: 220-24738
Instrument ID: HP 6890/5975
Lab File ID: A4072.D
Initial Weight/Volume: 15.19 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitroaniline		310	U	58	310
4,6-Dinitro-2-methylphenol		1900	U	28	1900
N-Nitrosodiphenylamine		310	U	62	310
4-Bromophenyl phenyl ether		310	U	57	310
Hexachlorobenzene		310	U	74	310
Pentachlorophenol		1900	U	38	1900
Phenanthrene		310	U	67	310
Anthracene		310	U	68	310
Di-n-butyl phthalate		310	U	72	310
Fluoranthene		310	U	68	310
Benzidine		310	U	61	310
Pyrene		310	U	76	310
Butyl benzyl phthalate		310	U	62	310
3,3'-Dichlorobenzidine		760	U	63	760
Benzo[a]anthracene		310	U	57	310
Chrysene		310	U	65	310
Bis(2-ethylhexyl) phthalate		310	U	61	310
Di-n-octyl phthalate		310	U	54	310
Benzo[b]fluoranthene		310	U	55	310
Benzo[k]fluoranthene		310	U	49	310
Benzo[a]pyrene		310	U	43	310
Indeno[1,2,3-cd]pyrene		310	U	42	310
Dibenz(a,h)anthracene		310	U	39	310
Benzo[g,h,i]perylene		310	U	43	310

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	73	25 - 113
Terphenyl-d14	96	35 - 140
Phenol-d5	71	27 - 122
Nitrobenzene-d5	71	25 - 120
2-Fluorobiphenyl	75	32 - 131
2,4,6-Tribromophenol	69	24 - 150

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2259
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364023.D
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC	1.9	U	0.27	1.9
gamma-BHC (Lindane)	1.9	U	0.32	1.9
Heptachlor	1.9	U	0.35	1.9
Aldrin	1.9	U	0.20	1.9
beta-BHC	1.9	U	0.41	1.9
delta-BHC	1.9	U	0.40	1.9
Heptachlor epoxide	1.9	U	0.33	1.9
Endosulfan I	1.9	U	0.32	1.9
4,4'-DDE	3.6	U	0.74	3.6
Dieldrin	3.6	U	0.63	3.6
Endrin	3.6	U	0.68	3.6
4,4'-DDD	3.6	U	0.66	3.6
Endosulfan II	3.6	U	0.69	3.6
4,4'-DDT	3.6	U	0.90	3.6
Endrin aldehyde	3.6	U	0.45	3.6
Endosulfan sulfate	3.6	U	0.66	3.6
Methoxychlor	19	U	4.0	19
Endrin ketone	3.6	U	0.67	3.6
Chlordane (technical)	19	U	6.1	19
Toxaphene	92	U	10	92

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	84	24 - 154
DCB Decachlorobiphenyl	121	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2259
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: D8364023.D
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	85	24 - 154
DCB Decachlorobiphenyl	116	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2213
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24849
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8365026.D
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		19	U	3.3	19

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID:	220-8209-1			Date Sampled:	02/27/2009 1500
Client Matrix:	Solid	% Moisture:	9.6	Date Received:	02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-24849		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-24741		Lab File ID:	C8365026.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Date Analyzed:	03/04/2009 2213			Final Weight/Volume:	10 mL
Date Prepared:	03/02/2009 1122			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	80	24 - 154
Tetrachloro-m-xylene	80	24 - 154
DCB Decachlorobiphenyl	101	25 - 159
DCB Decachlorobiphenyl	103	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2325
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364024.D
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC		1.9	U	0.27	1.9
gamma-BHC (Lindane)		1.9	U	0.32	1.9
Heptachlor		1.9	U	0.35	1.9
Aldrin		1.9	U	0.20	1.9
beta-BHC		1.9	U	0.41	1.9
delta-BHC		1.9	U	0.40	1.9
Heptachlor epoxide		1.9	U	0.33	1.9
Endosulfan I		1.9	U	0.32	1.9
4,4'-DDE		3.6	U	0.74	3.6
Dieldrin		3.6	U	0.63	3.6
Endrin		3.6	U	0.68	3.6
4,4'-DDD		3.6	U	0.65	3.6
Endosulfan II		3.6	U	0.69	3.6
4,4'-DDT		3.6	U	0.89	3.6
Endrin aldehyde		3.6	U	0.45	3.6
Endosulfan sulfate		3.6	U	0.65	3.6
Methoxychlor		19	U	4.0	19
Endrin ketone		3.6	U	0.67	3.6
Chlordane (technical)		19	U	6.0	19
Toxaphene		91	U	10	91

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	91	24 - 154
DCB Decachlorobiphenyl	129	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2325
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364024.D
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	89	24 - 154
DCB Decachlorobiphenyl	123	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2

Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2238
Date Prepared: 03/02/2009 1122

Analysis Batch: 220-24849
Prep Batch: 220-24741

Instrument ID: HP 6890 dual ECD
Lab File ID: C8365027.D
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		19	U	3.3	19

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2238
Date Prepared: 03/02/2009 1122

Analysis Batch: 220-24849
Prep Batch: 220-24741

Instrument ID: HP 6890 dual ECD
Lab File ID: C8365027.D
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	85	24 - 154
Tetrachloro-m-xylene	86	24 - 154
DCB Decachlorobiphenyl	106	25 - 159
DCB Decachlorobiphenyl	109	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2350
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364025.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC		1.8	U	0.26	1.8
gamma-BHC (Lindane)		1.8	U	0.30	1.8
Heptachlor		1.8	U	0.34	1.8
Aldrin		1.8	U	0.19	1.8
beta-BHC		1.8	U	0.39	1.8
delta-BHC		1.8	U	0.38	1.8
Heptachlor epoxide		1.8	U	0.32	1.8
Endosulfan I		1.8	U	0.31	1.8
4,4'-DDE		3.5	U	0.70	3.5
Dieldrin		3.5	U	0.60	3.5
Endrin		3.5	U	0.65	3.5
4,4'-DDD		3.5	U	0.62	3.5
Endosulfan II		3.5	U	0.65	3.5
4,4'-DDT		3.5	U	0.85	3.5
Endrin aldehyde		3.5	U	0.43	3.5
Endosulfan sulfate		3.5	U	0.62	3.5
Methoxychlor		18	U	3.8	18
Endrin ketone		3.5	U	0.64	3.5
Chlordane (technical)		18	U	5.8	18
Toxaphene		87	U	9.6	87

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	85	24 - 154
DCB Decachlorobiphenyl	109	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2350
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: D8364025.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	84	24 - 154
DCB Decachlorobiphenyl	106	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2303
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24849
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8365028.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Alachlor	18	U	3.2	18

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID:	220-8209-3			Date Sampled:	02/27/2009 1500
Client Matrix:	Solid	% Moisture:	5.1	Date Received:	02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-24849		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-24741		Lab File ID:	C8365028.D
Dilution:	1.0			Initial Weight/Volume:	30.09 g
Date Analyzed:	03/04/2009 2303			Final Weight/Volume:	10 mL
Date Prepared:	03/02/2009 1122			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	86	24 - 154
Tetrachloro-m-xylene	84	24 - 154
DCB Decachlorobiphenyl	110	25 - 159
DCB Decachlorobiphenyl	114	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0015
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364026.D
Initial Weight/Volume: 30.44 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC	1.8	U	0.25	1.8
gamma-BHC (Lindane)	1.8	U	0.30	1.8
Heptachlor	1.8	U	0.33	1.8
Aldrin	1.8	U	0.19	1.8
beta-BHC	1.8	U	0.39	1.8
delta-BHC	1.8	U	0.38	1.8
Heptachlor epoxide	1.8	U	0.31	1.8
Endosulfan I	1.8	U	0.30	1.8
4,4'-DDE	3.4	U	0.70	3.4
Dieldrin	3.4	U	0.59	3.4
Endrin	3.4	U	0.64	3.4
4,4'-DDD	3.4	U	0.62	3.4
Endosulfan II	3.4	U	0.65	3.4
4,4'-DDT	3.4	U	0.84	3.4
Endrin aldehyde	3.4	U	0.42	3.4
Endosulfan sulfate	3.4	U	0.62	3.4
Methoxychlor	18	U	3.8	18
Endrin ketone	3.4	U	0.63	3.4
Chlordane (technical)	18	U	5.7	18
Toxaphene	86	U	9.5	86

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	72	24 - 154
DCB Decachlorobiphenyl	93	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0015
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364026.D
Initial Weight/Volume: 30.44 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	70	24 - 154
DCB Decachlorobiphenyl	91	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2329
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24849
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8365029.D
Initial Weight/Volume: 30.44 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		18	U	3.1	18

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID:	220-8209-4			Date Sampled:	02/27/2009 1500
Client Matrix:	Solid	% Moisture:	5.0	Date Received:	02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-24849		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-24741		Lab File ID:	C8365029.D
Dilution:	1.0			Initial Weight/Volume:	30.44 g
Date Analyzed:	03/04/2009 2329			Final Weight/Volume:	10 mL
Date Prepared:	03/02/2009 1122			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	68	24 - 154
Tetrachloro-m-xylene	68	24 - 154
DCB Decachlorobiphenyl	81	25 - 159
DCB Decachlorobiphenyl	82	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0041
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364027.D
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC		2.0	U	0.28	2.0
gamma-BHC (Lindane)		2.0	U	0.33	2.0
Heptachlor		2.0	U	0.37	2.0
Aldrin		2.0	U	0.21	2.0
beta-BHC		2.0	U	0.43	2.0
delta-BHC		2.0	U	0.42	2.0
Heptachlor epoxide		2.0	U	0.35	2.0
Endosulfan I		2.0	U	0.34	2.0
4,4'-DDE		3.8	U	0.77	3.8
Dieldrin		3.8	U	0.66	3.8
Endrin		3.8	U	0.71	3.8
4,4'-DDD		3.8	U	0.68	3.8
Endosulfan II		3.8	U	0.72	3.8
4,4'-DDT		3.8	U	0.93	3.8
Endrin aldehyde		3.8	U	0.47	3.8
Endosulfan sulfate		3.8	U	0.68	3.8
Methoxychlor		20	U	4.2	20
Endrin ketone		3.8	U	0.70	3.8
Chlordane (technical)		20	U	6.3	20
Toxaphene		95	U	11	95

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	90	24 - 154
DCB Decachlorobiphenyl	121	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0041
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364027.D
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	89	24 - 154
DCB Decachlorobiphenyl	119	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2354
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24849
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8365030.D
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		20	U	3.5	20

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2354
Date Prepared: 03/02/2009 1122

Analysis Batch: 220-24849
Prep Batch: 220-24741

Instrument ID: HP 6890 dual ECD
Lab File ID: C8365030.D
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	88	24 - 154
Tetrachloro-m-xylene	89	24 - 154
DCB Decachlorobiphenyl	105	25 - 159
DCB Decachlorobiphenyl	105	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID: 220-8209-6
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0106
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364028.D
Initial Weight/Volume: 30.27 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC	1.9	U	0.28	1.9
gamma-BHC (Lindane)	1.9	U	0.33	1.9
Heptachlor	1.9	U	0.37	1.9
Aldrin	1.9	U	0.21	1.9
beta-BHC	1.9	U	0.43	1.9
delta-BHC	1.9	U	0.42	1.9
Heptachlor epoxide	1.9	U	0.34	1.9
Endosulfan I	1.9	U	0.33	1.9
4,4'-DDE	3.8	U	0.77	3.8
Dieldrin	3.8	U	0.65	3.8
Endrin	3.8	U	0.71	3.8
4,4'-DDD	3.8	U	0.68	3.8
Endosulfan II	3.8	U	0.71	3.8
4,4'-DDT	3.8	U	0.93	3.8
Endrin aldehyde	3.8	U	0.47	3.8
Endosulfan sulfate	3.8	U	0.68	3.8
Methoxychlor	19	U	4.2	19
Endrin ketone	3.8	U	0.69	3.8
Chlordane (technical)	19	U	6.3	19
Toxaphene	95	U	10	95

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	101	24 - 154
DCB Decachlorobiphenyl	132	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0106
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: D8364028.D
Initial Weight/Volume: 30.27 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	101	24 - 154
DCB Decachlorobiphenyl	135	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID:	220-8209-6			Date Sampled:	02/27/2009 1500
Client Matrix:	Solid	% Moisture:	13.4	Date Received:	02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-24849		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-24741		Lab File ID:	C8365031.D
Dilution:	1.0			Initial Weight/Volume:	30.27 g
Date Analyzed:	03/05/2009 0020			Final Weight/Volume:	10 mL
Date Prepared:	03/02/2009 1122			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		19	U	3.4	19

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID:	220-8209-6			Date Sampled:	02/27/2009 1500
Client Matrix:	Solid	% Moisture:	13.4	Date Received:	02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-24849		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-24741		Lab File ID:	C8365031.D
Dilution:	1.0			Initial Weight/Volume:	30.27 g
Date Analyzed:	03/05/2009 0020			Final Weight/Volume:	10 mL
Date Prepared:	03/02/2009 1122			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	93	24 - 154
Tetrachloro-m-xylene	93	24 - 154
DCB Decachlorobiphenyl	112	25 - 159
DCB Decachlorobiphenyl	113	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 1445
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24783
Prep Batch: 220-24741
Instrument ID: HP 5890 with dual ECD
Lab File ID: D4748219.d
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016	19	U	1.5	19
PCB-1221	19	U	1.5	19
PCB-1232	19	U	1.5	19
PCB-1242	19	U	1.5	19
PCB-1248	19	U	1.5	19
PCB-1254	19	U	1.6	19
PCB-1260	19	U	1.6	19
PCB-1262	19	U	1.6	19
PCB-1268	19	U	1.6	19

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	124	24 - 154
DCB Decachlorobiphenyl	89	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2

Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 1504
Date Prepared: 03/02/2009 1122

Analysis Batch: 220-24783
Prep Batch: 220-24741

Instrument ID: HP 5890 with dual ECD
Lab File ID: D4748220.d
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		19	U	1.5	19
PCB-1221		19	U	1.5	19
PCB-1232		19	U	1.5	19
PCB-1242		19	U	1.5	19
PCB-1248		19	U	1.5	19
PCB-1254		19	U	1.6	19
PCB-1260		19	U	1.6	19
PCB-1262		19	U	1.6	19
PCB-1268		19	U	1.6	19

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	124	24 - 154
DCB Decachlorobiphenyl	89	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 1522
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24783
Prep Batch: 220-24741
Instrument ID: HP 5890 with dual ECD
Lab File ID: C4748221.d
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		18	U	1.4	18
PCB-1221		18	U	1.4	18
PCB-1232		18	U	1.4	18
PCB-1242		18	U	1.4	18
PCB-1248		18	U	1.4	18
PCB-1254		6.2	J	1.5	18
PCB-1260		18	U	1.5	18
PCB-1262		18	U	1.5	18
PCB-1268		18	U	1.5	18

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	122	24 - 154
DCB Decachlorobiphenyl	96	25 - 159

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 1522
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24783
Prep Batch: 220-24741
Instrument ID: HP 5890 with dual ECD
Lab File ID: C4748221.d
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	108	24 - 154
DCB Decachlorobiphenyl	91	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0

Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 1540
Date Prepared: 03/02/2009 1122

Analysis Batch: 220-24783
Prep Batch: 220-24741

Instrument ID: HP 5890 with dual ECD
Lab File ID: D4748222.d
Initial Weight/Volume: 30.44 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		18	U	1.4	18
PCB-1221		18	U	1.4	18
PCB-1232		18	U	1.4	18
PCB-1242		18	U	1.4	18
PCB-1248		18	U	1.4	18
PCB-1254		18	U	1.5	18
PCB-1260		18	U	1.5	18
PCB-1262		18	U	1.5	18
PCB-1268		18	U	1.5	18

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	106	24 - 154
DCB Decachlorobiphenyl	75	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 1558
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24783
Prep Batch: 220-24741
Instrument ID: HP 5890 with dual ECD
Lab File ID: D4748223.d
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		20	U	1.5	20
PCB-1221		20	U	1.5	20
PCB-1232		20	U	1.5	20
PCB-1242		20	U	1.5	20
PCB-1248		20	U	1.5	20
PCB-1254		20	U	1.7	20
PCB-1260		20	U	1.7	20
PCB-1262		20	U	1.7	20
PCB-1268		20	U	1.7	20

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	129	24 - 154
DCB Decachlorobiphenyl	95	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID: 220-8209-6
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 1625
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24783
Prep Batch: 220-24741
Instrument ID: HP 5890 with dual ECD
Lab File ID: D4748224.d
Initial Weight/Volume: 30.27 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		19	U	1.5	19
PCB-1221		19	U	1.5	19
PCB-1232		19	U	1.5	19
PCB-1242		19	U	1.5	19
PCB-1248		19	U	1.5	19
PCB-1254		19	U	1.6	19
PCB-1260		19	U	1.6	19
PCB-1262		19	U	1.6	19
PCB-1268		19	U	1.6	19

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	137	24 - 154
DCB Decachlorobiphenyl	104	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8151A Herbicides (GC)

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 03/05/2009 1825
Date Prepared: 03/03/2009 1455
Analysis Batch: 680-132021
Prep Batch: 680-131679
Instrument ID: GC SemiVolatiles - S
Lab File ID: sc05007.d
Initial Weight/Volume: 30.1 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
2,4-D	9.2	U	1.1	9.2
2,4-DB	9.2	U	4.4	9.2
2,4,5-T	9.2	U	2.2	9.2
Silvex (2,4,5-TP)	9.2	U	2.2	9.2
Dalapon	360	U	11	360
Dicamba	9.2	U	1.7	9.2
Dichlorprop	9.2	U	2.0	9.2

Surrogate	%Rec	Acceptance Limits
DCAA	91	58 - 110

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8151A Herbicides (GC)

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 03/05/2009 1844
Date Prepared: 03/03/2009 1455
Analysis Batch: 680-132021
Prep Batch: 680-131679
Instrument ID: GC SemiVolatiles - S
Lab File ID: sc05008.d
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
2,4-D	9.2	U	1.1	9.2
2,4-DB	9.2	U	4.5	9.2
2,4,5-T	9.2	U	2.2	9.2
Silvex (2,4,5-TP)	9.2	U	2.2	9.2
Dalapon	370	U	11	370
Dicamba	9.2	U	1.7	9.2
Dichlorprop	9.2	U	2.0	9.2

Surrogate	%Rec	Acceptance Limits
DCAA	93	58 - 110

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8151A Herbicides (GC)

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 03/05/2009 1903
Date Prepared: 03/03/2009 1455
Analysis Batch: 680-132021
Prep Batch: 680-131679
Instrument ID: GC SemiVolatiles - S
Lab File ID: sc05009.d
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
2,4-D	8.7	U	1.0	8.7
2,4-DB	8.7	U	4.2	8.7
2,4,5-T	8.7	U	2.1	8.7
Silvex (2,4,5-TP)	8.7	U	2.1	8.7
Dalapon	350	U	11	350
Dicamba	8.7	U	1.6	8.7
Dichlorprop	8.7	U	1.9	8.7

Surrogate	%Rec	Acceptance Limits
DCAA	91	58 - 110

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8151A Herbicides (GC)

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 03/05/2009 1922
Date Prepared: 03/03/2009 1455
Analysis Batch: 680-132021
Prep Batch: 680-131679
Instrument ID: GC SemiVolatiles - S
Lab File ID: sc05010.d
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
2,4-D	8.7	U	1.0	8.7
2,4-DB	8.7	U	4.2	8.7
2,4,5-T	8.7	U	2.1	8.7
Silvex (2,4,5-TP)	8.7	U	2.1	8.7
Dalapon	350	U	11	350
Dicamba	8.7	U	1.6	8.7
Dichlorprop	8.7	U	1.9	8.7

Surrogate	%Rec	Acceptance Limits
DCAA	72	58 - 110

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8151A Herbicides (GC)

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 03/05/2009 1940
Date Prepared: 03/03/2009 1455
Analysis Batch: 680-132021
Prep Batch: 680-131679
Instrument ID: GC SemiVolatiles - S
Lab File ID: sc05011.d
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
2,4-D	9.6	U	1.1	9.6
2,4-DB	9.6	U	4.6	9.6
2,4,5-T	9.6	U	2.3	9.6
Silvex (2,4,5-TP)	9.6	U	2.3	9.6
Dalapon	380	U	12	380
Dicamba	9.6	U	1.7	9.6
Dichlorprop	9.6	U	2.1	9.6

Surrogate	%Rec	Acceptance Limits
DCAA	90	58 - 110

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID: 220-8209-6
Client Matrix: Solid
% Moisture: 13.4

Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8151A Herbicides (GC)

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 03/05/2009 1959
Date Prepared: 03/03/2009 1455

Analysis Batch: 680-132021
Prep Batch: 680-131679

Instrument ID: GC SemiVolatiles - S
Lab File ID: sc05012.d
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
2,4-D	9.6	U	1.1	9.6
2,4-DB	9.6	U	4.6	9.6
2,4,5-T	9.6	U	2.3	9.6
Silvex (2,4,5-TP)	9.6	U	2.3	9.6
Dalapon	380	U	12	380
Dicamba	9.6	U	1.7	9.6
Dichlorprop	9.6	U	2.1	9.6

Surrogate	%Rec	Acceptance Limits
DCAA	84	58 - 110

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 03/03/2009 1813
Date Prepared: 03/02/2009 1141
Analysis Batch: 220-24795
Prep Batch: 220-24742
Instrument ID: TJA Trace ICAP
Lab File ID: W030309
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.7	J	0.83	6.7
Silver		4.0	U	0.38	4.0
Barium		39.0		0.30	2.7
Beryllium		0.57	J	0.30	2.7
Cadmium		6.7	U	0.70	6.7
Copper		27.2		0.81	6.7
Manganese		499		0.27	8.1
Nickel		25.9		0.70	6.7
Lead		14.6		0.56	6.7
Selenium		1.7	J	1.2	13.4
Zinc		65.6		2.0	26.9
Chromium		14.4		0.38	4.0

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 03/04/2009 1611
Date Prepared: 03/04/2009 1332
Analysis Batch: 220-24842
Prep Batch: 220-24825
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	J	0.016	0.055

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 03/03/2009 1911
Date Prepared: 03/02/2009 1141
Analysis Batch: 220-24795
Prep Batch: 220-24742
Instrument ID: TJA Trace ICAP
Lab File ID: W030309
Initial Weight/Volume: 1.26 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		6.4		0.68	5.5
Silver		3.3	U	0.31	3.3
Barium		42.6		0.24	2.2
Beryllium		0.57	J	0.24	2.2
Cadmium		5.5	U	0.57	5.5
Copper		27.7		0.66	5.5
Manganese		472		0.22	6.6
Nickel		25.5		0.57	5.5
Lead		11.8		0.46	5.5
Selenium		11.0	U	0.99	11.0
Zinc		65.4		1.7	22.1
Chromium		14.0		0.31	3.3

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 03/04/2009 1614
Date Prepared: 03/04/2009 1332
Analysis Batch: 220-24842
Prep Batch: 220-24825
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.63 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	J	0.016	0.053

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 03/03/2009 1917
Date Prepared: 03/02/2009 1141
Analysis Batch: 220-24795
Prep Batch: 220-24742
Instrument ID: TJA Trace ICAP
Lab File ID: W030309
Initial Weight/Volume: 1.08 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.3	J	0.76	6.1
Silver		3.7	U	0.34	3.7
Barium		37.4		0.27	2.4
Beryllium		0.60	J	0.27	2.4
Cadmium		6.1	U	0.63	6.1
Copper		26.6		0.73	6.1
Manganese		487		0.24	7.3
Nickel		24.2		0.63	6.1
Lead		10.2		0.51	6.1
Selenium		12.2	U	1.1	12.2
Zinc		57.5		1.8	24.4
Chromium		14.2		0.34	3.7

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 03/04/2009 1615
Date Prepared: 03/04/2009 1332
Analysis Batch: 220-24842
Prep Batch: 220-24825
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	J	0.015	0.051

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 03/03/2009 1922
Date Prepared: 03/02/2009 1141
Analysis Batch: 220-24795
Prep Batch: 220-24742
Instrument ID: TJA Trace ICAP
Lab File ID: W030309
Initial Weight/Volume: 1.39 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		7.6		0.59	4.7
Silver		2.8	U	0.27	2.8
Barium		43.5		0.21	1.9
Beryllium		0.65	J	0.21	1.9
Cadmium		4.7	U	0.49	4.7
Copper		29.0		0.57	4.7
Manganese		552		0.19	5.7
Nickel		29.0		0.49	4.7
Lead		12.5		0.40	4.7
Selenium		1.1	J	0.85	9.5
Zinc		65.9		1.4	18.9
Chromium		16.8		0.27	2.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 03/04/2009 1616
Date Prepared: 03/04/2009 1332
Analysis Batch: 220-24842
Prep Batch: 220-24825
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	J	0.015	0.052

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 03/03/2009 1928
Date Prepared: 03/02/2009 1141
Analysis Batch: 220-24795
Prep Batch: 220-24742
Instrument ID: TJA Trace ICAP
Lab File ID: W030309
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.4	J	0.87	7.0
Silver		4.2	U	0.39	4.2
Barium		23.7		0.31	2.8
Beryllium		0.49	J	0.31	2.8
Cadmium		7.0	U	0.73	7.0
Copper		5.3	J	0.84	7.0
Manganese		223		0.28	8.4
Nickel		5.9	J	0.73	7.0
Lead		2.9	J	0.59	7.0
Selenium		14.0	U	1.3	14.0
Zinc		21.2	J	2.1	28.1
Chromium		6.0		0.39	4.2

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 03/04/2009 1617
Date Prepared: 03/04/2009 1332
Analysis Batch: 220-24842
Prep Batch: 220-24825
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.61 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.057	U	0.017	0.057

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID: 220-8209-6
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 03/03/2009 1934
Date Prepared: 03/02/2009 1141
Analysis Batch: 220-24795
Prep Batch: 220-24742
Instrument ID: TJA Trace ICAP
Lab File ID: W030309
Initial Weight/Volume: 1.05 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		1.2	J	0.85	6.9
Silver		4.1	U	0.38	4.1
Barium		23.3		0.30	2.7
Beryllium		0.48	J	0.30	2.7
Cadmium		6.9	U	0.71	6.9
Copper		5.2	J	0.82	6.9
Manganese		220		0.27	8.2
Nickel		5.3	J	0.71	6.9
Lead		2.6	J	0.58	6.9
Selenium		13.7	U	1.2	13.7
Zinc		21.0	J	2.1	27.5
Chromium		5.6		0.38	4.1

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 03/04/2009 1618
Date Prepared: 03/04/2009 1332
Analysis Batch: 220-24842
Prep Batch: 220-24825
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.056	U	0.017	0.056

General Chemistry

Client Sample ID: VPF1

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	14.4		mg/Kg	0.0022	0.22	1.0	7196A
	Anly Batch: 220-25056	Date Analyzed		03/11/2009 1402		DryWt Corrected: Y	
Chromium, hexavalent	1.0	U	mg/Kg	0.24	1.0	1.0	7196A
	Anly Batch: 680-132255	Date Analyzed		03/10/2009 1548		DryWt Corrected: Y	
	Prep Batch: 680-132153	Date Prepared:		03/09/2009 1728			
Cyanide, Total	550	U	ug/Kg	55	550	1.0	9012B
	Anly Batch: 220-24799	Date Analyzed		03/03/2009 1608		DryWt Corrected: Y	
	Prep Batch: 220-24775	Date Prepared:		03/02/2009 1700			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.61		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			
Percent Solids	90.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			

Client Sample ID: VPF2

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	14.0		mg/Kg	0.0022	0.22	1.0	7196A
	Anly Batch: 220-25056	Date Analyzed		03/11/2009 1402		DryWt Corrected: Y	
Chromium, hexavalent	1.1	U	mg/Kg	0.25	1.1	1.0	7196A
	Anly Batch: 680-132255	Date Analyzed		03/10/2009 1548		DryWt Corrected: Y	
	Prep Batch: 680-132153	Date Prepared:		03/09/2009 1728			
Cyanide, Total	560	U	ug/Kg	56	560	1.0	9012B
	Anly Batch: 220-24799	Date Analyzed		03/03/2009 1609		DryWt Corrected: Y	
	Prep Batch: 220-24775	Date Prepared:		03/02/2009 1700			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.2		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			
Percent Solids	89.8		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			

General Chemistry

Client Sample ID: VBR1

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	14.0		mg/Kg	0.0021	0.21	1.0	7196A
	Anly Batch: 220-25056	Date Analyzed		03/11/2009 1402		DryWt Corrected: Y	
Chromium, hexavalent	0.23	J	mg/Kg	0.23	0.98	1.0	7196A
	Anly Batch: 680-132255	Date Analyzed		03/10/2009 1548		DryWt Corrected: Y	
	Prep Batch: 680-132153	Date Prepared:		03/09/2009 1728			
Cyanide, Total	530	U	ug/Kg	53	530	1.0	9012B
	Anly Batch: 220-24799	Date Analyzed		03/03/2009 1611		DryWt Corrected: Y	
	Prep Batch: 220-24775	Date Prepared:		03/02/2009 1700			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.11		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			
Percent Solids	94.9		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			

Client Sample ID: VBR2

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	16.8		mg/Kg	0.0021	0.21	1.0	7196A
	Anly Batch: 220-25056	Date Analyzed		03/11/2009 1402		DryWt Corrected: Y	
Chromium, hexavalent	1.0	U	mg/Kg	0.23	1.0	1.0	7196A
	Anly Batch: 680-132255	Date Analyzed		03/10/2009 1548		DryWt Corrected: Y	
	Prep Batch: 680-132153	Date Prepared:		03/09/2009 1728			
Cyanide, Total	530	U	ug/Kg	53	530	1.0	9012B
	Anly Batch: 220-24799	Date Analyzed		03/03/2009 1614		DryWt Corrected: Y	
	Prep Batch: 220-24775	Date Prepared:		03/02/2009 1700			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	5.02		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			
Percent Solids	95.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			

General Chemistry

Client Sample ID: PPF1

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	6.0		mg/Kg	0.0023	0.23	1.0	7196A
	Anly Batch: 220-25056	Date Analyzed		03/11/2009 1402		DryWt Corrected: Y	
Chromium, hexavalent	1.1	U	mg/Kg	0.25	1.1	1.0	7196A
	Anly Batch: 680-132255	Date Analyzed		03/10/2009 1548		DryWt Corrected: Y	
	Prep Batch: 680-132153	Date Prepared:		03/09/2009 1728			
Cyanide, Total	580	U	ug/Kg	58	580	1.0	9012B
	Anly Batch: 220-24799	Date Analyzed		03/03/2009 1617		DryWt Corrected: Y	
	Prep Batch: 220-24775	Date Prepared:		03/02/2009 1700			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			
Percent Solids	86.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			

Client Sample ID: PPF2

Lab Sample ID: 220-8209-6
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cr (III)	5.6		mg/Kg	0.0023	0.23	1.0	7196A
	Anly Batch: 220-25056	Date Analyzed		03/11/2009 1402		DryWt Corrected: Y	
Chromium, hexavalent	1.0	U	mg/Kg	0.24	1.0	1.0	7196A
	Anly Batch: 680-132255	Date Analyzed		03/10/2009 1548		DryWt Corrected: Y	
	Prep Batch: 680-132153	Date Prepared:		03/09/2009 1728			
Cyanide, Total	580	U	ug/Kg	58	580	1.0	9012B
	Anly Batch: 220-24799	Date Analyzed		03/03/2009 1618		DryWt Corrected: Y	
	Prep Batch: 220-24775	Date Prepared:		03/02/2009 1700			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			
Percent Solids	86.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-24751	Date Analyzed		03/02/2009 1617			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	B	The analyte was found in an associated blank, as well as in the sample.
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	*	LCS or LCSD exceeds the control limits
	U	Analyzed for but not detected.
GC Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8209-1
SDG Number: 220-8209

Login Number: 8209
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8209-1
SDG Number: 220-8209

Login Number: 8209
Creator: Hall, Karl I
List Number: 1

List Source: TestAmerica Savannah
List Creation: 03/03/09 12:42 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2259
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364023.D
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC	1.9	U	0.27	1.9
gamma-BHC (Lindane)	1.9	U	0.32	1.9
Heptachlor	1.9	U	0.35	1.9
Aldrin	1.9	U	0.20	1.9
beta-BHC	1.9	U	0.41	1.9
delta-BHC	1.9	U	0.40	1.9
Heptachlor epoxide	1.9	U	0.33	1.9
Endosulfan I	1.9	U	0.32	1.9
4,4'-DDE	3.6	U	0.74	3.6
Dieldrin	3.6	U	0.63	3.6
Endrin	3.6	U	0.68	3.6
4,4'-DDD	3.6	U	0.66	3.6
Endosulfan II	3.6	U	0.69	3.6
4,4'-DDT	3.6	U	0.90	3.6
Endrin aldehyde	3.6	U	0.45	3.6
Endosulfan sulfate	3.6	U	0.66	3.6
Methoxychlor	19	U	4.0	19
Endrin ketone	3.6	U	0.67	3.6
Chlordane (technical)	19	U	6.1	19
Toxaphene	92	U	10	92

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	84	24 - 154
DCB Decachlorobiphenyl	121	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2259
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: D8364023.D
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	85	24 - 154
DCB Decachlorobiphenyl	116	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID: 220-8209-1
Client Matrix: Solid
% Moisture: 9.6
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2213
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24849
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8365026.D
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		19	U	3.3	19

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF1**

Lab Sample ID:	220-8209-1			Date Sampled:	02/27/2009 1500
Client Matrix:	Solid	% Moisture:	9.6	Date Received:	02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-24849		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-24741		Lab File ID:	C8365026.D
Dilution:	1.0			Initial Weight/Volume:	30.03 g
Date Analyzed:	03/04/2009 2213			Final Weight/Volume:	10 mL
Date Prepared:	03/02/2009 1122			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	80	24 - 154
Tetrachloro-m-xylene	80	24 - 154
DCB Decachlorobiphenyl	101	25 - 159
DCB Decachlorobiphenyl	103	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2325
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364024.D
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC		1.9	U	0.27	1.9
gamma-BHC (Lindane)		1.9	U	0.32	1.9
Heptachlor		1.9	U	0.35	1.9
Aldrin		1.9	U	0.20	1.9
beta-BHC		1.9	U	0.41	1.9
delta-BHC		1.9	U	0.40	1.9
Heptachlor epoxide		1.9	U	0.33	1.9
Endosulfan I		1.9	U	0.32	1.9
4,4'-DDE		3.6	U	0.74	3.6
Dieldrin		3.6	U	0.63	3.6
Endrin		3.6	U	0.68	3.6
4,4'-DDD		3.6	U	0.65	3.6
Endosulfan II		3.6	U	0.69	3.6
4,4'-DDT		3.6	U	0.89	3.6
Endrin aldehyde		3.6	U	0.45	3.6
Endosulfan sulfate		3.6	U	0.65	3.6
Methoxychlor		19	U	4.0	19
Endrin ketone		3.6	U	0.67	3.6
Chlordane (technical)		19	U	6.0	19
Toxaphene		91	U	10	91

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	91	24 - 154
DCB Decachlorobiphenyl	129	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2325
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364024.D
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	89	24 - 154
DCB Decachlorobiphenyl	123	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2

Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2238
Date Prepared: 03/02/2009 1122

Analysis Batch: 220-24849
Prep Batch: 220-24741

Instrument ID: HP 6890 dual ECD
Lab File ID: C8365027.D
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		19	U	3.3	19

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VPF2**

Lab Sample ID: 220-8209-2
Client Matrix: Solid
% Moisture: 10.2
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2238
Date Prepared: 03/02/2009 1122

Analysis Batch: 220-24849
Prep Batch: 220-24741

Instrument ID: HP 6890 dual ECD
Lab File ID: C8365027.D
Initial Weight/Volume: 30.32 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	85	24 - 154
Tetrachloro-m-xylene	86	24 - 154
DCB Decachlorobiphenyl	106	25 - 159
DCB Decachlorobiphenyl	109	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2350
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364025.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC		1.8	U	0.26	1.8
gamma-BHC (Lindane)		1.8	U	0.30	1.8
Heptachlor		1.8	U	0.34	1.8
Aldrin		1.8	U	0.19	1.8
beta-BHC		1.8	U	0.39	1.8
delta-BHC		1.8	U	0.38	1.8
Heptachlor epoxide		1.8	U	0.32	1.8
Endosulfan I		1.8	U	0.31	1.8
4,4'-DDE		3.5	U	0.70	3.5
Dieldrin		3.5	U	0.60	3.5
Endrin		3.5	U	0.65	3.5
4,4'-DDD		3.5	U	0.62	3.5
Endosulfan II		3.5	U	0.65	3.5
4,4'-DDT		3.5	U	0.85	3.5
Endrin aldehyde		3.5	U	0.43	3.5
Endosulfan sulfate		3.5	U	0.62	3.5
Methoxychlor		18	U	3.8	18
Endrin ketone		3.5	U	0.64	3.5
Chlordane (technical)		18	U	5.8	18
Toxaphene		87	U	9.6	87

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	85	24 - 154
DCB Decachlorobiphenyl	109	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/03/2009 2350
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: D8364025.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	84	24 - 154
DCB Decachlorobiphenyl	106	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID: 220-8209-3
Client Matrix: Solid
% Moisture: 5.1
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2303
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24849
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8365028.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
Alachlor	18	U	3.2	18

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR1**

Lab Sample ID:	220-8209-3			Date Sampled:	02/27/2009 1500
Client Matrix:	Solid	% Moisture:	5.1	Date Received:	02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-24849		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-24741		Lab File ID:	C8365028.D
Dilution:	1.0			Initial Weight/Volume:	30.09 g
Date Analyzed:	03/04/2009 2303			Final Weight/Volume:	10 mL
Date Prepared:	03/02/2009 1122			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	86	24 - 154
Tetrachloro-m-xylene	84	24 - 154
DCB Decachlorobiphenyl	110	25 - 159
DCB Decachlorobiphenyl	114	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0015
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364026.D
Initial Weight/Volume: 30.44 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC	1.8	U	0.25	1.8
gamma-BHC (Lindane)	1.8	U	0.30	1.8
Heptachlor	1.8	U	0.33	1.8
Aldrin	1.8	U	0.19	1.8
beta-BHC	1.8	U	0.39	1.8
delta-BHC	1.8	U	0.38	1.8
Heptachlor epoxide	1.8	U	0.31	1.8
Endosulfan I	1.8	U	0.30	1.8
4,4'-DDE	3.4	U	0.70	3.4
Dieldrin	3.4	U	0.59	3.4
Endrin	3.4	U	0.64	3.4
4,4'-DDD	3.4	U	0.62	3.4
Endosulfan II	3.4	U	0.65	3.4
4,4'-DDT	3.4	U	0.84	3.4
Endrin aldehyde	3.4	U	0.42	3.4
Endosulfan sulfate	3.4	U	0.62	3.4
Methoxychlor	18	U	3.8	18
Endrin ketone	3.4	U	0.63	3.4
Chlordane (technical)	18	U	5.7	18
Toxaphene	86	U	9.5	86

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	72	24 - 154
DCB Decachlorobiphenyl	93	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0015
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364026.D
Initial Weight/Volume: 30.44 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	70	24 - 154
DCB Decachlorobiphenyl	91	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID: 220-8209-4
Client Matrix: Solid
% Moisture: 5.0
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2329
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24849
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8365029.D
Initial Weight/Volume: 30.44 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		18	U	3.1	18

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **VBR2**

Lab Sample ID:	220-8209-4			Date Sampled:	02/27/2009 1500
Client Matrix:	Solid	% Moisture:	5.0	Date Received:	02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-24849		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-24741		Lab File ID:	C8365029.D
Dilution:	1.0			Initial Weight/Volume:	30.44 g
Date Analyzed:	03/04/2009 2329			Final Weight/Volume:	10 mL
Date Prepared:	03/02/2009 1122			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	68	24 - 154
Tetrachloro-m-xylene	68	24 - 154
DCB Decachlorobiphenyl	81	25 - 159
DCB Decachlorobiphenyl	82	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0041
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364027.D
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC		2.0	U	0.28	2.0
gamma-BHC (Lindane)		2.0	U	0.33	2.0
Heptachlor		2.0	U	0.37	2.0
Aldrin		2.0	U	0.21	2.0
beta-BHC		2.0	U	0.43	2.0
delta-BHC		2.0	U	0.42	2.0
Heptachlor epoxide		2.0	U	0.35	2.0
Endosulfan I		2.0	U	0.34	2.0
4,4'-DDE		3.8	U	0.77	3.8
Dieldrin		3.8	U	0.66	3.8
Endrin		3.8	U	0.71	3.8
4,4'-DDD		3.8	U	0.68	3.8
Endosulfan II		3.8	U	0.72	3.8
4,4'-DDT		3.8	U	0.93	3.8
Endrin aldehyde		3.8	U	0.47	3.8
Endosulfan sulfate		3.8	U	0.68	3.8
Methoxychlor		20	U	4.2	20
Endrin ketone		3.8	U	0.70	3.8
Chlordane (technical)		20	U	6.3	20
Toxaphene		95	U	11	95

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	90	24 - 154
DCB Decachlorobiphenyl	121	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0041
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364027.D
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	89	24 - 154
DCB Decachlorobiphenyl	119	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2354
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24849
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8365030.D
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		20	U	3.5	20

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF1**

Lab Sample ID: 220-8209-5
Client Matrix: Solid
% Moisture: 13.5
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 2354
Date Prepared: 03/02/2009 1122

Analysis Batch: 220-24849
Prep Batch: 220-24741

Instrument ID: HP 6890 dual ECD
Lab File ID: C8365030.D
Initial Weight/Volume: 30.17 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	88	24 - 154
Tetrachloro-m-xylene	89	24 - 154
DCB Decachlorobiphenyl	105	25 - 159
DCB Decachlorobiphenyl	105	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID: 220-8209-6
Client Matrix: Solid
% Moisture: 13.4
Date Sampled: 02/27/2009 1500
Date Received: 02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0106
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: C8364028.D
Initial Weight/Volume: 30.27 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC	1.9	U	0.28	1.9
gamma-BHC (Lindane)	1.9	U	0.33	1.9
Heptachlor	1.9	U	0.37	1.9
Aldrin	1.9	U	0.21	1.9
beta-BHC	1.9	U	0.43	1.9
delta-BHC	1.9	U	0.42	1.9
Heptachlor epoxide	1.9	U	0.34	1.9
Endosulfan I	1.9	U	0.33	1.9
4,4'-DDE	3.8	U	0.77	3.8
Dieldrin	3.8	U	0.65	3.8
Endrin	3.8	U	0.71	3.8
4,4'-DDD	3.8	U	0.68	3.8
Endosulfan II	3.8	U	0.71	3.8
4,4'-DDT	3.8	U	0.93	3.8
Endrin aldehyde	3.8	U	0.47	3.8
Endosulfan sulfate	3.8	U	0.68	3.8
Methoxychlor	19	U	4.2	19
Endrin ketone	3.8	U	0.69	3.8
Chlordane (technical)	19	U	6.3	19
Toxaphene	95	U	10	95

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	101	24 - 154
DCB Decachlorobiphenyl	132	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 03/04/2009 0106
Date Prepared: 03/02/2009 1122
Analysis Batch: 220-24809
Prep Batch: 220-24741
Instrument ID: HP 6890 dual ECD
Lab File ID: D8364028.D
Initial Weight/Volume: 30.27 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	101	24 - 154
DCB Decachlorobiphenyl	135	25 - 159

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID:	220-8209-6			Date Sampled:	02/27/2009 1500
Client Matrix:	Solid	% Moisture:	13.4	Date Received:	02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-24849		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-24741		Lab File ID:	C8365031.D
Dilution:	1.0			Initial Weight/Volume:	30.27 g
Date Analyzed:	03/05/2009 0020			Final Weight/Volume:	10 mL
Date Prepared:	03/02/2009 1122			Injection Volume:	1.0 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		19	U	3.4	19

Client: AECOM, Inc.

Job Number: 220-8209-1
Sdg Number: 220-8209

Client Sample ID: **PPF2**

Lab Sample ID:	220-8209-6			Date Sampled:	02/27/2009 1500
Client Matrix:	Solid	% Moisture:	13.4	Date Received:	02/28/2009 1030

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-24849		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-24741		Lab File ID:	C8365031.D
Dilution:	1.0			Initial Weight/Volume:	30.27 g
Date Analyzed:	03/05/2009 0020			Final Weight/Volume:	10 mL
Date Prepared:	03/02/2009 1122			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	93	24 - 154
Tetrachloro-m-xylene	93	24 - 154
DCB Decachlorobiphenyl	112	25 - 159
DCB Decachlorobiphenyl	113	25 - 159

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-9228-1

SDG Number: 220-9228

Job Description: NYSEG Mechanicsville BackFill Soil

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Matt Thorpe



Approved for release.
Johanna Dubauskas
Project Manager I
6/11/2009 3:44 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
06/11/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541
Organochlorine Pesticides (GC)	TAL CT	SW846 8081A	
Ultrasonic Extraction	TAL CT		SW846 3550B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CT	SW846 8082	
Ultrasonic Extraction	TAL CT		SW846 3550B
Herbicides (GC)	TAL SAV	SW846 8151A	
Extraction (Herbicides)	TAL SAV		SW846 8151A
Metals (ICP)	TAL CT	SW846 6010B	
Preparation, Metals	TAL CT		SW846 3050B
Mercury (CVAA)	TAL CT	SW846 7471A	
Preparation, Mercury	TAL CT		SW846 7471A
Chromium, Hexavalent	TAL SAV	SW846 7196A	
Alkaline Digestion (Chromium, Hexavalent)	TAL SAV		SW846 3060A
Percent Moisture	TAL CT	EPA Moisture	

Lab References:

TAL CT = TestAmerica Connecticut

TAL SAV = TestAmerica Savannah

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Method	Analyst	Analyst ID
SW846 8260B	Paveglio, Peter R	PRP
SW846 8270C	Jonas, Stephan	SJ
SW846 8081A	Cooper, Susan	SC
SW846 8081A	Szymczuk, Magdalena	MS
SW846 8082	Smith, Karli	KS
SW846 8151A	Smith, Crystal	CAS
SW846 6010B	Petronchak, Nestor	NP
SW846 7471A	Voytek, Joseph F	JFV
SW846 7196A	Ross, Jon	JR
EPA Moisture	Capece, Bill	BC

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-9228-1	VCF 1	Solid	06/01/2009 1030	06/03/2009 0944
220-9228-2	VCF 2	Solid	06/01/2009 1030	06/03/2009 0944
220-9228-3	VTS 1	Solid	06/02/2009 0900	06/03/2009 0944
220-9228-4	VTS 2	Solid	06/02/2009 0900	06/03/2009 0944

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 1**

Lab Sample ID: 220-9228-1
Client Matrix: Solid
% Moisture: 26.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/04/2009 1241
Date Prepared: 06/04/2009 1241
Analysis Batch: 220-27804
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N3029.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		6.8	U *	0.47	6.8
Chloromethane		6.8	U	1.1	6.8
Vinyl chloride		6.8	U	0.31	6.8
Bromomethane		6.8	U *	2.8	6.8
Chloroethane		6.8	U	1.3	6.8
Trichlorofluoromethane		6.8	U	0.20	6.8
Trichlorotrifluoroethane(F-113)		6.8	U	1.1	6.8
1,1-Dichloroethene		6.8	U	0.78	6.8
Carbon disulfide		6.8	U	0.55	6.8
Methylene Chloride		7.2	J B	1.5	27
Acetone		14	J B	3.0	27
trans-1,2-Dichloroethene		6.8	U	0.53	6.8
Acrylonitrile		6.8	U	1.9	6.8
1,1-Dichloroethane		6.8	U	0.41	6.8
cis-1,2-Dichloroethene		6.8	U	0.50	6.8
2,2-Dichloropropane		6.8	U	0.93	6.8
Bromochloromethane		6.8	U	0.77	6.8
Chloroform		6.8	U	0.46	6.8
Tetrahydrofuran		27	U	8.3	27
1,1,1-Trichloroethane		6.8	U	0.72	6.8
Carbon tetrachloride		6.8	U	1.3	6.8
1,1-Dichloropropene		34	U	0.77	34
Benzene		6.8	U	0.77	6.8
1,2-Dichloroethane		6.8	U	0.78	6.8
Trichloroethene		6.8	U	1.1	6.8
Dibromomethane		6.8	U	0.87	6.8
1,2-Dichloropropane		6.8	U	0.91	6.8
Bromodichloromethane		6.8	U	0.41	6.8
cis-1,3-Dichloropropene		6.8	U	0.76	6.8
trans-1,3-Dichloropropene		6.8	U	0.37	6.8
1,1,2-Trichloroethane		6.8	U	0.50	6.8
Toluene		6.8	U	0.10	6.8
4-Methyl-2-pentanone (MIBK)		6.8	U	0.74	6.8
Tetrachloroethene		6.8	U	1.1	6.8
Dibromochloromethane		6.8	U	0.47	6.8
1,3-Dichloropropane		6.8	U	0.92	6.8
2-Hexanone		14	U	1.6	14
Chlorobenzene		6.8	U	0.80	6.8
1,1,1,2-Tetrachloroethane		6.8	U	0.70	6.8
Ethylbenzene		6.8	U	0.95	6.8
Styrene		6.8	U	0.20	6.8
Bromoform		6.8	U	0.83	6.8
Isopropylbenzene		6.8	U	0.26	6.8
1,1,2,2-Tetrachloroethane		6.8	U	0.70	6.8

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 1**

Lab Sample ID: 220-9228-1
Client Matrix: Solid
% Moisture: 26.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/04/2009 1241
Date Prepared: 06/04/2009 1241
Analysis Batch: 220-27804
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N3029.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		6.8	U	0.72	6.8
1,2,3-Trichloropropane		6.8	U	1.2	6.8
trans-1,4-Dichloro-2-butene		14	U	1.5	14
N-Propylbenzene		6.8	U	0.83	6.8
2-Chlorotoluene		6.8	U	0.87	6.8
4-Chlorotoluene		6.8	U	0.85	6.8
1,3,5-Trimethylbenzene		6.8	U	0.68	6.8
tert-Butylbenzene		6.8	U	0.39	6.8
1,2,4-Trimethylbenzene		6.8	U	1.0	6.8
sec-Butylbenzene		6.8	U	0.72	6.8
p-Isopropyltoluene		6.8	U	0.72	6.8
1,3-Dichlorobenzene		6.8	U	0.28	6.8
1,4-Dichlorobenzene		6.8	U	0.91	6.8
1,2-Dichlorobenzene		6.8	U	0.32	6.8
n-Butylbenzene		6.8	U	1.5	6.8
1,2-Dibromo-3-Chloropropane		14	U	6.1	14
1,2,4-Trichlorobenzene		6.8	U	1.0	6.8
Hexachlorobutadiene		6.8	U	0.84	6.8
Naphthalene		6.8	U	0.39	6.8
1,2,3-Trichlorobenzene		6.8	U	0.84	6.8
Xylenes, Total		6.8	U	0.66	6.8
m&p-Xylene		6.8	U	0.47	6.8
o-Xylene		6.8	U	0.26	6.8
Dibromoethane		6.8	U	1.0	6.8
Methyl tert-butyl ether		6.8	U	0.28	6.8

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	59 - 132
4-Bromofluorobenzene	108	34 - 124
Dibromofluoromethane	79	59 - 123
Toluene-d8 (Surr)	86	50 - 118

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 2**

Lab Sample ID: 220-9228-2
Client Matrix: Solid
% Moisture: 19.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/04/2009 1307
Date Prepared: 06/04/2009 1307
Analysis Batch: 220-27804
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N3030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		6.2	U *	0.43	6.2
Chloromethane		6.2	U	0.96	6.2
Vinyl chloride		6.2	U	0.28	6.2
Bromomethane		6.2	U *	2.6	6.2
Chloroethane		6.2	U	1.2	6.2
Trichlorofluoromethane		6.2	U	0.19	6.2
Trichlorotrifluoroethane(F-113)		6.2	U	0.98	6.2
1,1-Dichloroethene		6.2	U	0.72	6.2
Carbon disulfide		6.2	U	0.51	6.2
Methylene Chloride		5.5	J B	1.3	25
Acetone		14	J B	2.8	25
trans-1,2-Dichloroethene		6.2	U	0.48	6.2
Acrylonitrile		6.2	U	1.7	6.2
1,1-Dichloroethane		6.2	U	0.37	6.2
cis-1,2-Dichloroethene		6.2	U	0.46	6.2
2,2-Dichloropropane		6.2	U	0.85	6.2
Bromochloromethane		6.2	U	0.70	6.2
Chloroform		6.2	U	0.42	6.2
Tetrahydrofuran		25	U	7.6	25
1,1,1-Trichloroethane		6.2	U	0.65	6.2
Carbon tetrachloride		6.2	U	1.2	6.2
1,1-Dichloropropene		31	U	0.70	31
Benzene		6.2	U	0.70	6.2
1,2-Dichloroethane		6.2	U	0.72	6.2
Trichloroethene		6.2	U	1.0	6.2
Dibromomethane		6.2	U	0.79	6.2
1,2-Dichloropropane		6.2	U	0.83	6.2
Bromodichloromethane		6.2	U	0.37	6.2
cis-1,3-Dichloropropene		6.2	U	0.69	6.2
trans-1,3-Dichloropropene		6.2	U	0.33	6.2
1,1,2-Trichloroethane		6.2	U	0.46	6.2
Toluene		6.2	U	0.091	6.2
4-Methyl-2-pentanone (MIBK)		6.2	U	0.68	6.2
Tetrachloroethene		6.2	U	1.0	6.2
Dibromochloromethane		6.2	U	0.43	6.2
1,3-Dichloropropane		6.2	U	0.84	6.2
2-Hexanone		12	U	1.5	12
Chlorobenzene		6.2	U	0.73	6.2
1,1,1,2-Tetrachloroethane		6.2	U	0.64	6.2
Ethylbenzene		6.2	U	0.86	6.2
Styrene		6.2	U	0.19	6.2
Bromoform		6.2	U	0.75	6.2
Isopropylbenzene		6.2	U	0.23	6.2
1,1,2,2-Tetrachloroethane		6.2	U	0.64	6.2

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 2**

Lab Sample ID: 220-9228-2
Client Matrix: Solid
% Moisture: 19.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/04/2009 1307
Date Prepared: 06/04/2009 1307
Analysis Batch: 220-27804
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N3030.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		6.2	U	0.65	6.2
1,2,3-Trichloropropane		6.2	U	1.1	6.2
trans-1,4-Dichloro-2-butene		12	U	1.4	12
N-Propylbenzene		6.2	U	0.75	6.2
2-Chlorotoluene		6.2	U	0.79	6.2
4-Chlorotoluene		6.2	U	0.78	6.2
1,3,5-Trimethylbenzene		6.2	U	0.62	6.2
tert-Butylbenzene		6.2	U	0.36	6.2
1,2,4-Trimethylbenzene		6.2	U	0.94	6.2
sec-Butylbenzene		6.2	U	0.65	6.2
p-Isopropyltoluene		6.2	U	0.65	6.2
1,3-Dichlorobenzene		6.2	U	0.26	6.2
1,4-Dichlorobenzene		6.2	U	0.83	6.2
1,2-Dichlorobenzene		6.2	U	0.30	6.2
n-Butylbenzene		6.2	U	1.4	6.2
1,2-Dibromo-3-Chloropropane		12	U	5.6	12
1,2,4-Trichlorobenzene		6.2	U	0.93	6.2
Hexachlorobutadiene		6.2	U	0.77	6.2
Naphthalene		6.2	U	0.36	6.2
1,2,3-Trichlorobenzene		6.2	U	0.77	6.2
Xylenes, Total		6.2	U	0.60	6.2
m&p-Xylene		6.2	U	0.43	6.2
o-Xylene		6.2	U	0.23	6.2
Dibromoethane		6.2	U	0.94	6.2
Methyl tert-butyl ether		6.2	U	0.26	6.2

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	69	59 - 132
4-Bromofluorobenzene	78	34 - 124
Dibromofluoromethane	73	59 - 123
Toluene-d8 (Surr)	76	50 - 118

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 1**

Lab Sample ID: 220-9228-3
Client Matrix: Solid
% Moisture: 6.4
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/03/2009 2133
Date Prepared: 06/03/2009 2133
Analysis Batch: 220-27693
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0935.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		5.3	U	0.37	5.3
Chloromethane		5.3	U	0.83	5.3
Vinyl chloride		5.3	U	0.25	5.3
Bromomethane		5.3	U	2.2	5.3
Chloroethane		5.3	U	1.0	5.3
Trichlorofluoromethane		5.3	U	0.16	5.3
Trichlorotrifluoroethane(F-113)		5.3	U	0.84	5.3
1,1-Dichloroethene		5.3	U	0.62	5.3
Carbon disulfide		5.3	U	0.44	5.3
Methylene Chloride		21	U	1.2	21
Acetone		21	U *	2.4	21
trans-1,2-Dichloroethene		5.3	U	0.42	5.3
Acrylonitrile		5.3	U	1.5	5.3
1,1-Dichloroethane		5.3	U	0.32	5.3
cis-1,2-Dichloroethene		5.3	U	0.40	5.3
2,2-Dichloropropane		5.3	U	0.74	5.3
Bromochloromethane		5.3	U	0.61	5.3
Chloroform		5.3	U	0.36	5.3
Tetrahydrofuran		21	U	6.6	21
1,1,1-Trichloroethane		5.3	U	0.57	5.3
Carbon tetrachloride		5.3	U	1.0	5.3
1,1-Dichloropropene		27	U	0.61	27
Benzene		5.3	U	0.61	5.3
1,2-Dichloroethane		5.3	U	0.62	5.3
Trichloroethene		5.3	U	0.87	5.3
Dibromomethane		5.3	U	0.68	5.3
1,2-Dichloropropane		5.3	U	0.72	5.3
Bromodichloromethane		5.3	U	0.32	5.3
cis-1,3-Dichloropropene		5.3	U	0.60	5.3
trans-1,3-Dichloropropene		5.3	U	0.29	5.3
1,1,2-Trichloroethane		5.3	U	0.40	5.3
Toluene		5.3	U	0.079	5.3
4-Methyl-2-pentanone (MIBK)		5.3	U	0.59	5.3
Tetrachloroethene		5.3	U	0.87	5.3
Dibromochloromethane		5.3	U	0.37	5.3
1,3-Dichloropropane		5.3	U	0.73	5.3
2-Hexanone		11	U	1.3	11
Chlorobenzene		5.3	U	0.63	5.3
1,1,1,2-Tetrachloroethane		5.3	U	0.56	5.3
Ethylbenzene		5.3	U	0.75	5.3
Styrene		5.3	U	0.16	5.3
Bromoform		5.3	U	0.65	5.3
Isopropylbenzene		5.3	U	0.20	5.3
1,1,2,2-Tetrachloroethane		5.3	U	0.56	5.3

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 1**

Lab Sample ID: 220-9228-3
Client Matrix: Solid
% Moisture: 6.4
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/03/2009 2133
Date Prepared: 06/03/2009 2133
Analysis Batch: 220-27693
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0935.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		5.3	U	0.57	5.3
1,2,3-Trichloropropane		5.3	U	0.98	5.3
trans-1,4-Dichloro-2-butene		11	U	1.2	11
N-Propylbenzene		5.3	U	0.65	5.3
2-Chlorotoluene		5.3	U	0.68	5.3
4-Chlorotoluene		5.3	U	0.67	5.3
1,3,5-Trimethylbenzene		5.3	U	0.53	5.3
tert-Butylbenzene		5.3	U	0.31	5.3
1,2,4-Trimethylbenzene		5.3	U	0.81	5.3
sec-Butylbenzene		5.3	U	0.57	5.3
p-Isopropyltoluene		5.3	U	0.57	5.3
1,3-Dichlorobenzene		5.3	U	0.22	5.3
1,4-Dichlorobenzene		5.3	U	0.72	5.3
1,2-Dichlorobenzene		5.3	U	0.26	5.3
n-Butylbenzene		5.3	U	1.2	5.3
1,2-Dibromo-3-Chloropropane		11	U	4.8	11
1,2,4-Trichlorobenzene		5.3	U	0.80	5.3
Hexachlorobutadiene		5.3	U	0.66	5.3
Naphthalene		5.3	U	0.31	5.3
1,2,3-Trichlorobenzene		5.3	U	0.66	5.3
Xylenes, Total		5.3	U	0.52	5.3
m&p-Xylene		5.3	U	0.37	5.3
o-Xylene		5.3	U	0.20	5.3
Dibromoethane		5.3	U	0.81	5.3
Methyl tert-butyl ether		5.3	U	0.22	5.3

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	59 - 132
4-Bromofluorobenzene	76	34 - 124
Dibromofluoromethane	90	59 - 123
Toluene-d8 (Surr)	79	50 - 118

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 2**

Lab Sample ID: 220-9228-4
Client Matrix: Solid
% Moisture: 7.7
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/04/2009 1334
Date Prepared: 06/04/2009 1334
Analysis Batch: 220-27804
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N3031.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dichlorodifluoromethane		5.4	U *	0.38	5.4
Chloromethane		5.4	U	0.84	5.4
Vinyl chloride		5.4	U	0.25	5.4
Bromomethane		5.4	U *	2.3	5.4
Chloroethane		5.4	U	1.1	5.4
Trichlorofluoromethane		5.4	U	0.16	5.4
Trichlorotrifluoroethane(F-113)		5.4	U	0.86	5.4
1,1-Dichloroethene		5.4	U	0.63	5.4
Carbon disulfide		5.4	U	0.44	5.4
Methylene Chloride		5.3	J B	1.2	22
Acetone		22	U	2.4	22
trans-1,2-Dichloroethene		5.4	U	0.42	5.4
Acrylonitrile		5.4	U	1.5	5.4
1,1-Dichloroethane		5.4	U	0.32	5.4
cis-1,2-Dichloroethene		5.4	U	0.40	5.4
2,2-Dichloropropane		5.4	U	0.75	5.4
Bromochloromethane		5.4	U	0.62	5.4
Chloroform		5.4	U	0.37	5.4
Tetrahydrofuran		22	U	6.7	22
1,1,1-Trichloroethane		5.4	U	0.57	5.4
Carbon tetrachloride		5.4	U	1.0	5.4
1,1-Dichloropropene		27	U	0.62	27
Benzene		5.4	U	0.62	5.4
1,2-Dichloroethane		5.4	U	0.63	5.4
Trichloroethene		5.4	U	0.88	5.4
Dibromomethane		5.4	U	0.69	5.4
1,2-Dichloropropane		5.4	U	0.73	5.4
Bromodichloromethane		5.4	U	0.32	5.4
cis-1,3-Dichloropropene		5.4	U	0.61	5.4
trans-1,3-Dichloropropene		5.4	U	0.29	5.4
1,1,2-Trichloroethane		5.4	U	0.40	5.4
Toluene		5.4	U	0.080	5.4
4-Methyl-2-pentanone (MIBK)		5.4	U	0.60	5.4
Tetrachloroethene		5.4	U	0.88	5.4
Dibromochloromethane		5.4	U	0.38	5.4
1,3-Dichloropropane		5.4	U	0.74	5.4
2-Hexanone		11	U	1.3	11
Chlorobenzene		5.4	U	0.64	5.4
1,1,1,2-Tetrachloroethane		5.4	U	0.56	5.4
Ethylbenzene		5.4	U	0.76	5.4
Styrene		5.4	U	0.16	5.4
Bromoform		5.4	U	0.66	5.4
Isopropylbenzene		5.4	U	0.21	5.4
1,1,2,2-Tetrachloroethane		5.4	U	0.56	5.4

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 2**

Lab Sample ID: 220-9228-4
Client Matrix: Solid
% Moisture: 7.7
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 06/04/2009 1334
Date Prepared: 06/04/2009 1334
Analysis Batch: 220-27804
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N3031.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Bromobenzene		5.4	U	0.57	5.4
1,2,3-Trichloropropane		5.4	U	1.0	5.4
trans-1,4-Dichloro-2-butene		11	U	1.2	11
N-Propylbenzene		5.4	U	0.66	5.4
2-Chlorotoluene		5.4	U	0.69	5.4
4-Chlorotoluene		5.4	U	0.68	5.4
1,3,5-Trimethylbenzene		5.4	U	0.54	5.4
tert-Butylbenzene		5.4	U	0.31	5.4
1,2,4-Trimethylbenzene		5.4	U	0.82	5.4
sec-Butylbenzene		5.4	U	0.57	5.4
p-Isopropyltoluene		5.4	U	0.57	5.4
1,3-Dichlorobenzene		5.4	U	0.23	5.4
1,4-Dichlorobenzene		5.4	U	0.73	5.4
1,2-Dichlorobenzene		5.4	U	0.26	5.4
n-Butylbenzene		5.4	U	1.2	5.4
1,2-Dibromo-3-Chloropropane		11	U	4.9	11
1,2,4-Trichlorobenzene		5.4	U	0.81	5.4
Hexachlorobutadiene		5.4	U	0.67	5.4
Naphthalene		5.4	U	0.31	5.4
1,2,3-Trichlorobenzene		5.4	U	0.67	5.4
Xylenes, Total		5.4	U	0.53	5.4
m&p-Xylene		5.4	U	0.38	5.4
o-Xylene		5.4	U	0.21	5.4
Dibromoethane		5.4	U	0.82	5.4
Methyl tert-butyl ether		5.4	U	0.23	5.4

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77	59 - 132
4-Bromofluorobenzene	74	34 - 124
Dibromofluoromethane	73	59 - 123
Toluene-d8 (Surr)	71	50 - 118

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 1**

Lab Sample ID: 220-9228-1
Client Matrix: Solid
% Moisture: 26.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 06/05/2009 1703
Date Prepared: 06/04/2009 1359
Analysis Batch: 220-27776
Prep Batch: 220-27720
Instrument ID: HP 6890/5975
Lab File ID: A5417.D
Initial Weight/Volume: 15.08 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pyridine		1700	U	400	1700
N-Nitrosodimethylamine		900	U	160	900
Phenol		360	U	24	360
Bis(2-chloroethyl)ether		360	U	19	360
2-Chlorophenol		360	U	21	360
1,3-Dichlorobenzene		360	U	18	360
1,4-Dichlorobenzene		360	U	22	360
Benzyl alcohol		360	U	34	360
1,2-Dichlorobenzene		360	U	22	360
bis (2-chloroisopropyl) ether		360	U	19	360
2-Methylphenol		360	U	22	360
Hexachloroethane		360	U	21	360
N-Nitrosodi-n-propylamine		360	U	24	360
4-Methylphenol		360	U	24	360
Nitrobenzene		360	U	23	360
Isophorone		360	U	20	360
2-Nitrophenol		360	U	23	360
2,4-Dimethylphenol		360	U	18	360
Benzoic acid		2300	U	510	2300
Bis(2-chloroethoxy)methane		360	U	17	360
2,4-Dichlorophenol		360	U	19	360
1,2,4-Trichlorobenzene		360	U	24	360
Naphthalene		160	J	19	360
4-Chloroaniline		360	U	59	360
Hexachlorobutadiene		360	U	28	360
4-Chloro-3-methylphenol		360	U	15	360
2-Methylnaphthalene		39	J	10	360
Hexachlorocyclopentadiene		900	U	170	900
2,4,6-Trichlorophenol		360	U	10	360
2,4,5-Trichlorophenol		2300	U	18	2300
2-Chloronaphthalene		360	U	15	360
2-Nitroaniline		2300	U	22	2300
Acenaphthylene		360	U	18	360
Dimethyl phthalate		360	U	21	360
2,6-Dinitrotoluene		360	U	11	360
Acenaphthene		360	U	22	360
3-Nitroaniline		2300	U	12	2300
2,4-Dinitrophenol		2300	U	110	2300
Dibenzofuran		360	U	26	360
2,4-Dinitrotoluene		360	U	29	360
4-Nitrophenol		2300	U	27	2300
Fluorene		360	U	22	360
4-Chlorophenyl phenyl ether		360	U	27	360
Diethyl phthalate		360	U	37	360

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 1**

Lab Sample ID:	220-9228-1			Date Sampled:	06/01/2009 1030
Client Matrix:	Solid	% Moisture:	26.1	Date Received:	06/03/2009 0944

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-27776		Instrument ID:	HP 6890/5975
Preparation:	3541	Prep Batch: 220-27720		Lab File ID:	A5417.D
Dilution:	1.0			Initial Weight/Volume:	15.08 g
Date Analyzed:	06/05/2009 1703			Final Weight/Volume:	1 mL
Date Prepared:	06/04/2009 1359			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitroaniline		360	U	28	360
4,6-Dinitro-2-methylphenol		2300	U	160	2300
N-Nitrosodiphenylamine		360	U	20	360
4-Bromophenyl phenyl ether		360	U	23	360
Hexachlorobenzene		360	U	25	360
Pentachlorophenol		2300	U	220	2300
Phenanthrene		44	J	18	360
Anthracene		360	U	14	360
Di-n-butyl phthalate		360	U	53	360
Fluoranthene		19	J	18	360
Benzidine		360	U	72	360
Pyrene		20	J	17	360
Butyl benzyl phthalate		360	U	20	360
3,3'-Dichlorobenzidine		900	U	75	900
Benzo[a]anthracene		360	U	13	360
Chrysene		360	U	27	360
Bis(2-ethylhexyl) phthalate		360	U	35	360
Di-n-octyl phthalate		360	U	21	360
Benzo[b]fluoranthene		360	U	9.7	360
Benzo[k]fluoranthene		360	U	33	360
Benzo[a]pyrene		360	U	9.8	360
Indeno[1,2,3-cd]pyrene		360	U	24	360
Dibenz(a,h)anthracene		360	U	29	360
Benzo[g,h,i]perylene		360	U	24	360

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	70	34 - 120
Terphenyl-d14	85	32 - 125
Phenol-d5	68	36 - 120
Nitrobenzene-d5	67	38 - 120
2-Fluorobiphenyl	66	41 - 120
2,4,6-Tribromophenol	68	37 - 120

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 2**

Lab Sample ID: 220-9228-2
Client Matrix: Solid
% Moisture: 19.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 06/05/2009 1729
Date Prepared: 06/04/2009 1440
Analysis Batch: 220-27776
Prep Batch: 220-27720
Instrument ID: HP 6890/5975
Lab File ID: A5418.D
Initial Weight/Volume: 15.52 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pyridine		1600	U	350	1600
N-Nitrosodimethylamine		800	U	140	800
Phenol		320	U	21	320
Bis(2-chloroethyl)ether		320	U	17	320
2-Chlorophenol		320	U	19	320
1,3-Dichlorobenzene		320	U	16	320
1,4-Dichlorobenzene		320	U	19	320
Benzyl alcohol		320	U	30	320
1,2-Dichlorobenzene		320	U	19	320
bis (2-chloroisopropyl) ether		320	U	17	320
2-Methylphenol		320	U	19	320
Hexachloroethane		320	U	18	320
N-Nitrosodi-n-propylamine		320	U	22	320
4-Methylphenol		320	U	21	320
Nitrobenzene		320	U	21	320
Isophorone		320	U	18	320
2-Nitrophenol		320	U	20	320
2,4-Dimethylphenol		320	U	16	320
Benzoic acid		2000	U	450	2000
Bis(2-chloroethoxy)methane		320	U	15	320
2,4-Dichlorophenol		320	U	17	320
1,2,4-Trichlorobenzene		320	U	21	320
Naphthalene		28	J	17	320
4-Chloroaniline		320	U	52	320
Hexachlorobutadiene		320	U	25	320
4-Chloro-3-methylphenol		320	U	13	320
2-Methylnaphthalene		320	U	9.2	320
Hexachlorocyclopentadiene		800	U	150	800
2,4,6-Trichlorophenol		320	U	8.8	320
2,4,5-Trichlorophenol		2000	U	16	2000
2-Chloronaphthalene		320	U	14	320
2-Nitroaniline		2000	U	20	2000
Acenaphthylene		320	U	16	320
Dimethyl phthalate		320	U	19	320
2,6-Dinitrotoluene		320	U	9.4	320
Acenaphthene		320	U	19	320
3-Nitroaniline		2000	U	10	2000
2,4-Dinitrophenol		2000	U	97	2000
Dibenzofuran		320	U	23	320
2,4-Dinitrotoluene		320	U	26	320
4-Nitrophenol		2000	U	24	2000
Fluorene		320	U	19	320
4-Chlorophenyl phenyl ether		320	U	24	320
Diethyl phthalate		320	U	32	320

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 2**

Lab Sample ID: 220-9228-2
Client Matrix: Solid
% Moisture: 19.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 06/05/2009 1729
Date Prepared: 06/04/2009 1440
Analysis Batch: 220-27776
Prep Batch: 220-27720
Instrument ID: HP 6890/5975
Lab File ID: A5418.D
Initial Weight/Volume: 15.52 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitroaniline		320	U	25	320
4,6-Dinitro-2-methylphenol		2000	U	140	2000
N-Nitrosodiphenylamine		320	U	18	320
4-Bromophenyl phenyl ether		320	U	21	320
Hexachlorobenzene		320	U	22	320
Pentachlorophenol		2000	U	200	2000
Phenanthrene		320	U	16	320
Anthracene		320	U	13	320
Di-n-butyl phthalate		320	U	47	320
Fluoranthene		320	U	16	320
Benzidine		320	U	64	320
Pyrene		320	U	15	320
Butyl benzyl phthalate		320	U	18	320
3,3'-Dichlorobenzidine		800	U	66	800
Benzo[a]anthracene		320	U	11	320
Chrysene		320	U	24	320
Bis(2-ethylhexyl) phthalate		320	U	31	320
Di-n-octyl phthalate		320	U	18	320
Benzo[b]fluoranthene		320	U	8.6	320
Benzo[k]fluoranthene		320	U	29	320
Benzo[a]pyrene		320	U	8.7	320
Indeno[1,2,3-cd]pyrene		320	U	21	320
Dibenz(a,h)anthracene		320	U	25	320
Benzo[g,h,i]perylene		320	U	21	320

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	73	34 - 120
Terphenyl-d14	84	32 - 125
Phenol-d5	71	36 - 120
Nitrobenzene-d5	73	38 - 120
2-Fluorobiphenyl	72	41 - 120
2,4,6-Tribromophenol	73	37 - 120

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 1**

Lab Sample ID: 220-9228-3
Client Matrix: Solid
% Moisture: 6.4
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 06/05/2009 1756
Date Prepared: 06/04/2009 1440
Analysis Batch: 220-27776
Prep Batch: 220-27720
Instrument ID: HP 6890/5975
Lab File ID: A5419.D
Initial Weight/Volume: 15.33 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pyridine		1400	U	310	1400
N-Nitrosodimethylamine		700	U	120	700
Phenol		280	U	19	280
Bis(2-chloroethyl)ether		280	U	15	280
2-Chlorophenol		280	U	16	280
1,3-Dichlorobenzene		280	U	14	280
1,4-Dichlorobenzene		280	U	17	280
Benzyl alcohol		280	U	27	280
1,2-Dichlorobenzene		280	U	17	280
bis (2-chloroisopropyl) ether		280	U	15	280
2-Methylphenol		280	U	17	280
Hexachloroethane		280	U	16	280
N-Nitrosodi-n-propylamine		280	U	19	280
4-Methylphenol		280	U	18	280
Nitrobenzene		280	U	18	280
Isophorone		280	U	16	280
2-Nitrophenol		280	U	18	280
2,4-Dimethylphenol		280	U	14	280
Benzoic acid		1800	U	390	1800
Bis(2-chloroethoxy)methane		280	U	13	280
2,4-Dichlorophenol		280	U	15	280
1,2,4-Trichlorobenzene		280	U	18	280
Naphthalene		280	U	15	280
4-Chloroaniline		280	U	46	280
Hexachlorobutadiene		280	U	22	280
4-Chloro-3-methylphenol		280	U	12	280
2-Methylnaphthalene		280	U	8.0	280
Hexachlorocyclopentadiene		700	U	130	700
2,4,6-Trichlorophenol		280	U	7.7	280
2,4,5-Trichlorophenol		1800	U	14	1800
2-Chloronaphthalene		280	U	12	280
2-Nitroaniline		1800	U	17	1800
Acenaphthylene		280	U	14	280
Dimethyl phthalate		280	U	16	280
2,6-Dinitrotoluene		280	U	8.3	280
Acenaphthene		280	U	17	280
3-Nitroaniline		1800	U	9.0	1800
2,4-Dinitrophenol		1800	U	85	1800
Dibenzofuran		280	U	20	280
2,4-Dinitrotoluene		280	U	22	280
4-Nitrophenol		1800	U	21	1800
Fluorene		280	U	17	280
4-Chlorophenyl phenyl ether		280	U	21	280
Diethyl phthalate		280	U	28	280

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 1**

Lab Sample ID: 220-9228-3
Client Matrix: Solid
% Moisture: 6.4
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 06/05/2009 1756
Date Prepared: 06/04/2009 1440
Analysis Batch: 220-27776
Prep Batch: 220-27720
Instrument ID: HP 6890/5975
Lab File ID: A5419.D
Initial Weight/Volume: 15.33 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitroaniline		280	U	22	280
4,6-Dinitro-2-methylphenol		1800	U	120	1800
N-Nitrosodiphenylamine		280	U	16	280
4-Bromophenyl phenyl ether		280	U	18	280
Hexachlorobenzene		280	U	20	280
Pentachlorophenol		1800	U	170	1800
Phenanthrene		280	U	14	280
Anthracene		280	U	11	280
Di-n-butyl phthalate		280	U	41	280
Fluoranthene		14	J	14	280
Benzidine		280	U	56	280
Pyrene		16	J	13	280
Butyl benzyl phthalate		280	U	16	280
3,3'-Dichlorobenzidine		700	U	58	700
Benzo[a]anthracene		280	U	10	280
Chrysene		280	U	21	280
Bis(2-ethylhexyl) phthalate		280	U	27	280
Di-n-octyl phthalate		280	U	16	280
Benzo[b]fluoranthene		280	U	7.5	280
Benzo[k]fluoranthene		280	U	25	280
Benzo[a]pyrene		280	U	7.6	280
Indeno[1,2,3-cd]pyrene		280	U	18	280
Dibenz(a,h)anthracene		280	U	22	280
Benzo[g,h,i]perylene		280	U	18	280

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	73	34 - 120
Terphenyl-d14	85	32 - 125
Phenol-d5	71	36 - 120
Nitrobenzene-d5	71	38 - 120
2-Fluorobiphenyl	71	41 - 120
2,4,6-Tribromophenol	71	37 - 120

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 2**

Lab Sample ID: 220-9228-4
Client Matrix: Solid
% Moisture: 7.7
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 06/05/2009 1822
Date Prepared: 06/04/2009 1440
Analysis Batch: 220-27776
Prep Batch: 220-27720
Instrument ID: HP 6890/5975
Lab File ID: A5420.D
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pyridine		1400	U	320	1400
N-Nitrosodimethylamine		720	U	130	720
Phenol		290	U	19	290
Bis(2-chloroethyl)ether		290	U	15	290
2-Chlorophenol		290	U	17	290
1,3-Dichlorobenzene		290	U	15	290
1,4-Dichlorobenzene		290	U	17	290
Benzyl alcohol		290	U	28	290
1,2-Dichlorobenzene		290	U	17	290
bis (2-chloroisopropyl) ether		290	U	15	290
2-Methylphenol		290	U	18	290
Hexachloroethane		290	U	17	290
N-Nitrosodi-n-propylamine		290	U	20	290
4-Methylphenol		290	U	19	290
Nitrobenzene		290	U	19	290
Isophorone		290	U	16	290
2-Nitrophenol		290	U	18	290
2,4-Dimethylphenol		290	U	14	290
Benzoic acid		1800	U	410	1800
Bis(2-chloroethoxy)methane		290	U	14	290
2,4-Dichlorophenol		290	U	16	290
1,2,4-Trichlorobenzene		290	U	19	290
Naphthalene		290	U	15	290
4-Chloroaniline		290	U	47	290
Hexachlorobutadiene		290	U	22	290
4-Chloro-3-methylphenol		290	U	12	290
2-Methylnaphthalene		290	U	8.3	290
Hexachlorocyclopentadiene		720	U	140	720
2,4,6-Trichlorophenol		290	U	8.0	290
2,4,5-Trichlorophenol		1800	U	15	1800
2-Chloronaphthalene		290	U	12	290
2-Nitroaniline		1800	U	18	1800
Acenaphthylene		290	U	14	290
Dimethyl phthalate		290	U	17	290
2,6-Dinitrotoluene		290	U	8.5	290
Acenaphthene		290	U	17	290
3-Nitroaniline		1800	U	9.3	1800
2,4-Dinitrophenol		1800	U	88	1800
Dibenzofuran		290	U	21	290
2,4-Dinitrotoluene		290	U	23	290
4-Nitrophenol		1800	U	22	1800
Fluorene		290	U	18	290
4-Chlorophenyl phenyl ether		290	U	22	290
Diethyl phthalate		290	U	29	290

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 2**

Lab Sample ID: 220-9228-4
Client Matrix: Solid
% Moisture: 7.7
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 06/05/2009 1822
Date Prepared: 06/04/2009 1440
Analysis Batch: 220-27776
Prep Batch: 220-27720
Instrument ID: HP 6890/5975
Lab File ID: A5420.D
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
4-Nitroaniline		290	U	22	290
4,6-Dinitro-2-methylphenol		1800	U	130	1800
N-Nitrosodiphenylamine		290	U	16	290
4-Bromophenyl phenyl ether		290	U	19	290
Hexachlorobenzene		290	U	20	290
Pentachlorophenol		1800	U	180	1800
Phenanthrene		16	J	14	290
Anthracene		290	U	11	290
Di-n-butyl phthalate		290	U	42	290
Fluoranthene		20	J	14	290
Benzidine		290	U	58	290
Pyrene		22	J	14	290
Butyl benzyl phthalate		290	U	16	290
3,3'-Dichlorobenzidine		720	U	60	720
Benzo[a]anthracene		290	U	10	290
Chrysene		290	U	22	290
Bis(2-ethylhexyl) phthalate		290	U	28	290
Di-n-octyl phthalate		290	U	17	290
Benzo[b]fluoranthene		290	U	7.8	290
Benzo[k]fluoranthene		290	U	26	290
Benzo[a]pyrene		290	U	7.9	290
Indeno[1,2,3-cd]pyrene		290	U	19	290
Dibenz(a,h)anthracene		290	U	23	290
Benzo[g,h,i]perylene		290	U	19	290

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	72	34 - 120
Terphenyl-d14	90	32 - 125
Phenol-d5	70	36 - 120
Nitrobenzene-d5	71	38 - 120
2-Fluorobiphenyl	70	41 - 120
2,4,6-Tribromophenol	71	37 - 120

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 1**

Lab Sample ID: 220-9228-1
Client Matrix: Solid
% Moisture: 26.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/09/2009 1611
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27932
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: C8410110.D
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Endrin aldehyde		4.5	U	0.55	4.5

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/09/2009 1611
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27932
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: C8410110.D
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	75	24 - 154
Tetrachloro-m-xylene	77	24 - 154
DCB Decachlorobiphenyl	90	25 - 159
DCB Decachlorobiphenyl	92	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/10/2009 2251
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27937
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: C8411026.D
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC		2.3	U	0.33	2.3
gamma-BHC (Lindane)		2.3	U	0.39	2.3
Heptachlor		2.3	U	0.43	2.3
Aldrin		2.3	U	0.24	2.3
beta-BHC		2.3	U	0.50	2.3
delta-BHC		2.3	U	0.49	2.3
Heptachlor epoxide		2.3	U	0.41	2.3
Endosulfan I		2.3	U	0.39	2.3
4,4'-DDE		4.5	U	0.90	4.5
Dieldrin		4.5	U	0.77	4.5
Endrin		4.5	U	0.83	4.5
4,4'-DDD		4.5	U	0.80	4.5
Endosulfan II		4.5	U	0.84	4.5
4,4'-DDT		4.5	U	1.1	4.5
Endosulfan sulfate		4.5	U	0.80	4.5
Methoxychlor		23	U	4.9	23
Endrin ketone		4.5	U	0.82	4.5
Chlordane (technical)		23	U	7.4	23
Toxaphene		110	U	12	110

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 1**

Lab Sample ID: 220-9228-1
Client Matrix: Solid
% Moisture: 26.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/10/2009 2251
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27937
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: C8411026.D
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Alachlor		23	U	4.1	23

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	92	24 - 154
DCB Decachlorobiphenyl	111	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/10/2009 2251
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27937
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: D8411026.D
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	91	24 - 154
DCB Decachlorobiphenyl	104	25 - 159

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 2**

Lab Sample ID: 220-9228-2
Client Matrix: Solid
% Moisture: 19.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/09/2009 1637
Date Prepared: 06/05/2009 1044

Analysis Batch: 220-27932
Prep Batch: 220-27750

Instrument ID: HP 6890 dual ECD
Lab File ID: C8410111.D
Initial Weight/Volume: 30.48 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Endrin aldehyde		4.0	U	0.49	4.0

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 2**

Lab Sample ID: 220-9228-2
Client Matrix: Solid
% Moisture: 19.1

Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/09/2009 1637
Date Prepared: 06/05/2009 1044

Analysis Batch: 220-27932
Prep Batch: 220-27750

Instrument ID: HP 6890 dual ECD
Lab File ID: C8410111.D
Initial Weight/Volume: 30.48 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	65	24 - 154
Tetrachloro-m-xylene	72	24 - 154
DCB Decachlorobiphenyl	77	25 - 159
DCB Decachlorobiphenyl	75	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/10/2009 2316
Date Prepared: 06/05/2009 1044

Analysis Batch: 220-27937
Prep Batch: 220-27750

Instrument ID: HP 6890 dual ECD
Lab File ID: C8411027.D
Initial Weight/Volume: 30.48 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC		2.1	U	0.30	2.1
gamma-BHC (Lindane)		2.1	U	0.35	2.1
Heptachlor		2.1	U	0.39	2.1
Aldrin		2.1	U	0.22	2.1
beta-BHC		2.1	U	0.45	2.1
delta-BHC		2.1	U	0.44	2.1
Heptachlor epoxide		2.1	U	0.37	2.1
Endosulfan I		2.1	U	0.36	2.1
4,4'-DDE		4.0	U	0.81	4.0
Dieldrin		4.0	U	0.69	4.0
Endrin		4.0	U	0.75	4.0
4,4'-DDD		4.0	U	0.72	4.0
Endosulfan II		4.0	U	0.76	4.0
4,4'-DDT		4.0	U	0.98	4.0
Endosulfan sulfate		4.0	U	0.72	4.0
Methoxychlor		21	U	4.4	21
Endrin ketone		4.0	U	0.74	4.0
Chlordane (technical)		21	U	6.7	21
Toxaphene		100	U	11	100
Alachlor		21	U	3.7	21

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	71	24 - 154
DCB Decachlorobiphenyl	61	25 - 159

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 2**

Lab Sample ID:	220-9228-2			Date Sampled:	06/01/2009 1030
Client Matrix:	Solid	% Moisture:	19.1	Date Received:	06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-27937		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-27750		Lab File ID:	D8411027.D
Dilution:	1.0			Initial Weight/Volume:	30.48 g
Date Analyzed:	06/10/2009 2316			Final Weight/Volume:	10 mL
Date Prepared:	06/05/2009 1044			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	68	24 - 154
DCB Decachlorobiphenyl	56	25 - 159

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 1**

Lab Sample ID: 220-9228-3
Client Matrix: Solid
% Moisture: 6.4
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/09/2009 1702
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27932
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: C8410112.D
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Endrin aldehyde		3.5	U	0.43	3.5

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 1**

Lab Sample ID: 220-9228-3
Client Matrix: Solid
% Moisture: 6.4
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/09/2009 1702
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27932
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: C8410112.D
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	76	24 - 154
Tetrachloro-m-xylene	81	24 - 154
DCB Decachlorobiphenyl	89	25 - 159
DCB Decachlorobiphenyl	92	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/10/2009 2342
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27937
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: C8411028.D
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC	1.8	U	0.26	1.8
gamma-BHC (Lindane)	1.8	U	0.31	1.8
Heptachlor	1.8	U	0.34	1.8
Aldrin	1.8	U	0.19	1.8
beta-BHC	1.8	U	0.40	1.8
delta-BHC	1.8	U	0.39	1.8
Heptachlor epoxide	1.8	U	0.32	1.8
Endosulfan I	1.8	U	0.31	1.8
4,4'-DDE	3.5	U	0.71	3.5
Dieldrin	3.5	U	0.61	3.5
Endrin	3.5	U	0.66	3.5
4,4'-DDD	3.5	U	0.63	3.5
Endosulfan II	3.5	U	0.66	3.5
4,4'-DDT	3.5	U	0.86	3.5
Endosulfan sulfate	3.5	U	0.63	3.5
Methoxychlor	18	U	3.9	18
Endrin ketone	3.5	U	0.65	3.5
Chlordane (technical)	18	U	5.8	18
Toxaphene	88	U	9.7	88
Alachlor	18	U	3.2	18

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	88	24 - 154
DCB Decachlorobiphenyl	106	25 - 159

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 1**

Lab Sample ID:	220-9228-3			Date Sampled:	06/02/2009 0900
Client Matrix:	Solid	% Moisture:	6.4	Date Received:	06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-27937		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-27750		Lab File ID:	C8411028.D
Dilution:	1.0			Initial Weight/Volume:	30.11 g
Date Analyzed:	06/10/2009 2342			Final Weight/Volume:	10 mL
Date Prepared:	06/05/2009 1044			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	88	24 - 154
DCB Decachlorobiphenyl	103	25 - 159

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 2**

Lab Sample ID: 220-9228-4
Client Matrix: Solid
% Moisture: 7.7
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/09/2009 1728
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27932
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: C8410113.D
Initial Weight/Volume: 30.29 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Endrin aldehyde		3.5	U	0.44	3.5

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 2**

Lab Sample ID: 220-9228-4
Client Matrix: Solid
% Moisture: 7.7
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/09/2009 1728
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27932
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: C8410113.D
Initial Weight/Volume: 30.29 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	63	24 - 154
Tetrachloro-m-xylene	65	24 - 154
DCB Decachlorobiphenyl	71	25 - 159
DCB Decachlorobiphenyl	71	25 - 159

Method: 8081A
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/11/2009 0007
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27937
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: C8411029.D
Initial Weight/Volume: 30.29 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
alpha-BHC	1.8	U	0.26	1.8
gamma-BHC (Lindane)	1.8	U	0.31	1.8
Heptachlor	1.8	U	0.34	1.8
Aldrin	1.8	U	0.19	1.8
beta-BHC	1.8	U	0.40	1.8
delta-BHC	1.8	U	0.39	1.8
Heptachlor epoxide	1.8	U	0.32	1.8
Endosulfan I	1.8	U	0.31	1.8
4,4'-DDE	3.5	U	0.72	3.5
Dieldrin	3.5	U	0.61	3.5
Endrin	3.5	U	0.66	3.5
4,4'-DDD	3.5	U	0.64	3.5
Endosulfan II	3.5	U	0.67	3.5
4,4'-DDT	3.5	U	0.87	3.5
Endosulfan sulfate	3.5	U	0.64	3.5
Methoxychlor	18	U	3.9	18
Endrin ketone	3.5	U	0.65	3.5
Chlordane (technical)	18	U	5.9	18
Toxaphene	89	U	9.8	89
Alachlor	18	U	3.2	18

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	68	24 - 154
DCB Decachlorobiphenyl	83	25 - 159

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 2**

Lab Sample ID:	220-9228-4			Date Sampled:	06/02/2009 0900
Client Matrix:	Solid	% Moisture:	7.7	Date Received:	06/03/2009 0944

8081A Organochlorine Pesticides (GC)

Method:	8081A	Analysis Batch: 220-27937		Instrument ID:	HP 6890 dual ECD
Preparation:	3550B	Prep Batch: 220-27750		Lab File ID:	D8411029.D
Dilution:	1.0			Initial Weight/Volume:	30.29 g
Date Analyzed:	06/11/2009 0007			Final Weight/Volume:	10 mL
Date Prepared:	06/05/2009 1044			Injection Volume:	1.0 uL
				Column ID:	SECONDARY

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	68	24 - 154
DCB Decachlorobiphenyl	73	25 - 159

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 1**

Lab Sample ID: 220-9228-1
Client Matrix: Solid
% Moisture: 26.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/08/2009 2228
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27846
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: D9043614.D
Initial Weight/Volume: 30.10 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		23	U	1.8	23
PCB-1221		23	U	1.8	23
PCB-1232		23	U	1.8	23
PCB-1242		23	U	1.8	23
PCB-1248		23	U	1.8	23
PCB-1254		23	U	1.9	23
PCB-1260		23	U	1.9	23
PCB-1262		23	U	1.9	23
PCB-1268		23	U	1.9	23

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	83	24 - 150
DCB Decachlorobiphenyl	82	24 - 150

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 2**

Lab Sample ID: 220-9228-2
Client Matrix: Solid
% Moisture: 19.1

Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/08/2009 2247
Date Prepared: 06/05/2009 1044

Analysis Batch: 220-27846
Prep Batch: 220-27750

Instrument ID: HP 6890 dual ECD
Lab File ID: D9043615.D
Initial Weight/Volume: 30.48 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		21	U	1.6	21
PCB-1221		21	U	1.6	21
PCB-1232		21	U	1.6	21
PCB-1242		21	U	1.6	21
PCB-1248		21	U	1.6	21
PCB-1254		21	U	1.8	21
PCB-1260		21	U	1.8	21
PCB-1262		21	U	1.8	21
PCB-1268		21	U	1.8	21

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	72	24 - 150
DCB Decachlorobiphenyl	72	24 - 150

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 1**

Lab Sample ID: 220-9228-3
Client Matrix: Solid
% Moisture: 6.4
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/08/2009 2306
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27846
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: D9043616.D
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		18	U	1.4	18
PCB-1221		18	U	1.4	18
PCB-1232		18	U	1.4	18
PCB-1242		18	U	1.4	18
PCB-1248		18	U	1.4	18
PCB-1254		18	U	1.5	18
PCB-1260		18	U	1.5	18
PCB-1262		18	U	1.5	18
PCB-1268		18	U	1.5	18

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	82	24 - 150
DCB Decachlorobiphenyl	75	24 - 150

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 2**

Lab Sample ID: 220-9228-4
Client Matrix: Solid
% Moisture: 7.7
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method: 8082
Preparation: 3550B
Dilution: 1.0
Date Analyzed: 06/08/2009 2325
Date Prepared: 06/05/2009 1044
Analysis Batch: 220-27846
Prep Batch: 220-27750
Instrument ID: HP 6890 dual ECD
Lab File ID: D9043617.D
Initial Weight/Volume: 30.29 g
Final Weight/Volume: 10 mL
Injection Volume: 1.0 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		18	U	1.4	18
PCB-1221		18	U	1.4	18
PCB-1232		18	U	1.4	18
PCB-1242		18	U	1.4	18
PCB-1248		18	U	1.4	18
PCB-1254		18	U	1.5	18
PCB-1260		18	U	1.5	18
PCB-1262		18	U	1.5	18
PCB-1268		18	U	1.5	18

Surrogate	%Rec	Acceptance Limits
Tetrachloro-m-xylene	64	24 - 150
DCB Decachlorobiphenyl	60	24 - 150

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 1**

Lab Sample ID:	220-9228-1			Date Sampled:	06/01/2009 1030
Client Matrix:	Solid	% Moisture:	26.1	Date Received:	06/03/2009 0944

8151A Herbicides (GC)

Method:	8151A	Analysis Batch: 680-139796		Instrument ID:	GC SemiVolatiles - S
Preparation:	8151A	Prep Batch: 680-139495		Lab File ID:	sf05020.d
Dilution:	1.0			Initial Weight/Volume:	30.1 g
Date Analyzed:	06/05/2009 2007			Final Weight/Volume:	10 mL
Date Prepared:	06/03/2009 1438			Injection Volume:	1 uL
				Column ID:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		11	U	6.7	11
2,4-DB		11	U	4.0	11
2,4,5-T		11	U	3.1	11
Silvex (2,4,5-TP)		11	U	2.2	11
Dalapon		450	U	3.9	450
Dicamba		11	U	2.6	11
Dichlorprop		11	U	1.5	11
Dinoseb		130	U	6.2	130

Surrogate	%Rec	Acceptance Limits
DCAA	66	58 - 110

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 2**

Lab Sample ID: 220-9228-2
Client Matrix: Solid
% Moisture: 19.1

Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

8151A Herbicides (GC)

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 06/05/2009 2026
Date Prepared: 06/03/2009 1438

Analysis Batch: 680-139796
Prep Batch: 680-139495

Instrument ID: GC SemiVolatiles - S
Lab File ID: sf05021.d
Initial Weight/Volume: 30.1 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4-D		10	U	6.2	10
2,4-DB		10	U	3.7	10
2,4,5-T		10	U	2.8	10
Silvex (2,4,5-TP)		10	U	2.0	10
Dalapon		410	U	3.6	410
Dicamba		10	U	2.3	10
Dichlorprop		10	U	1.4	10
Dinoseb		120	U	5.7	120

Surrogate	%Rec	Acceptance Limits
DCAA	63	58 - 110

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 1**

Lab Sample ID: 220-9228-3
Client Matrix: Solid
% Moisture: 6.4
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8151A Herbicides (GC)

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 06/05/2009 2045
Date Prepared: 06/03/2009 1438
Analysis Batch: 680-139796
Prep Batch: 680-139495
Instrument ID: GC SemiVolatiles - S
Lab File ID: sf05022.d
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
2,4-D	8.9	U	5.3	8.9
2,4-DB	8.9	U	3.2	8.9
2,4,5-T	8.9	U	2.5	8.9
Silvex (2,4,5-TP)	8.9	U	1.7	8.9
Dalapon	350	U	3.1	350
Dicamba	8.9	U	2.0	8.9
Dichlorprop	8.9	U	1.2	8.9
Dinoseb	110	U	4.9	110

Surrogate	%Rec	Acceptance Limits
DCAA	81	58 - 110

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 2**

Lab Sample ID: 220-9228-4
Client Matrix: Solid
% Moisture: 7.7
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

8151A Herbicides (GC)

Method: 8151A
Preparation: 8151A
Dilution: 1.0
Date Analyzed: 06/05/2009 2104
Date Prepared: 06/03/2009 1438
Analysis Batch: 680-139796
Prep Batch: 680-139495
Instrument ID: GC SemiVolatiles - S
Lab File ID: sf05023.d
Initial Weight/Volume: 30.0 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	DryWt Corrected: Y Result (ug/Kg)	Qualifier	MDL	RL
2,4-D	9.0	U	5.4	9.0
2,4-DB	9.0	U	3.2	9.0
2,4,5-T	9.0	U	2.5	9.0
Silvex (2,4,5-TP)	9.0	U	1.7	9.0
Dalapon	360	U	3.1	360
Dicamba	9.0	U	2.1	9.0
Dichlorprop	9.0	U	1.2	9.0
Dinoseb	110	U	5.0	110

Surrogate	%Rec	Acceptance Limits
DCAA	84	58 - 110

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 1**

Lab Sample ID: 220-9228-1
Client Matrix: Solid
% Moisture: 26.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 06/10/2009 1644
Date Prepared: 06/09/2009 1054
Analysis Batch: 220-27909
Prep Batch: 220-27839
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.09 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		5.6	J	2.2	6.8
Silver		1.6	U	0.081	1.6
Barium		88.5		0.081	1.6
Beryllium		0.98	J	0.081	1.6
Cadmium		1.6	U	0.32	1.6
Chromium		13.2		0.16	1.6
Copper		25.0		0.62	1.9
Manganese		522		0.081	2.4
Nickel		19.3		0.32	1.6
Lead		8.6		1.0	4.9
Selenium		12.1	U	4.0	12.1
Zinc		59.5		1.6	8.1

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 06/10/2009 1514
Date Prepared: 06/09/2009 1043
Analysis Batch: 220-27908
Prep Batch: 220-27837
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.64 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	J	0.0051	0.063

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VCF 2**

Lab Sample ID: 220-9228-2
Client Matrix: Solid
% Moisture: 19.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 06/10/2009 1647
Date Prepared: 06/09/2009 1054
Analysis Batch: 220-27909
Prep Batch: 220-27839
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.08 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		6.7		2.0	6.2
Silver		1.5	U	0.074	1.5
Barium		70.9		0.074	1.5
Beryllium		0.84	J	0.074	1.5
Cadmium		1.5	U	0.30	1.5
Chromium		13.9		0.15	1.5
Copper		27.5		0.56	1.8
Manganese		497		0.074	2.2
Nickel		21.1		0.30	1.5
Lead		8.8		0.92	4.5
Selenium		11.1	U	3.7	11.1
Zinc		58.8		1.5	7.4

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 06/10/2009 1515
Date Prepared: 06/09/2009 1043
Analysis Batch: 220-27908
Prep Batch: 220-27837
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.019	J	0.0049	0.062

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 1**

Lab Sample ID: 220-9228-3
Client Matrix: Solid
% Moisture: 6.4
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 06/10/2009 1650
Date Prepared: 06/09/2009 1054
Analysis Batch: 220-27909
Prep Batch: 220-27839
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.01 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		4.3	J	1.8	5.6
Silver		1.3	U	0.066	1.3
Barium		53.5		0.066	1.3
Beryllium		0.65	J	0.066	1.3
Cadmium		1.3	U	0.27	1.3
Chromium		10.5		0.13	1.3
Copper		21.8		0.50	1.6
Manganese		444		0.066	2.0
Nickel		15.9		0.27	1.3
Lead		6.4		0.82	4.0
Selenium		10	U	3.3	10
Zinc		44.7		1.3	6.6

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 06/10/2009 1515
Date Prepared: 06/09/2009 1043
Analysis Batch: 220-27908
Prep Batch: 220-27837
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.60 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.021	J	0.0043	0.053

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Client Sample ID: **VTS 2**

Lab Sample ID: 220-9228-4
Client Matrix: Solid
% Moisture: 7.7
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

6010B Metals (ICP)

Method: 6010B
Preparation: 3050B
Dilution: 1.0
Date Analyzed: 06/10/2009 1654
Date Prepared: 06/09/2009 1110
Analysis Batch: 220-27909
Prep Batch: 220-27839
Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 2.00 g
Final Weight/Volume: 250 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Arsenic		3.1	J	1.8	5.7
Silver		1.4	U	0.068	1.4
Barium		28.7		0.068	1.4
Beryllium		0.38	J	0.068	1.4
Cadmium		1.4	U	0.27	1.4
Chromium		7.5		0.14	1.4
Copper		14.9		0.51	1.6
Manganese		286		0.068	2.0
Nickel		10.9		0.27	1.4
Lead		8.5		0.84	4.1
Selenium		10.2	U	3.4	10.2
Zinc		32.2		1.4	6.8

7471A Mercury (CVAA)

Method: 7471A
Preparation: 7471A
Dilution: 1.0
Date Analyzed: 06/10/2009 1516
Date Prepared: 06/09/2009 1043
Analysis Batch: 220-27908
Prep Batch: 220-27837
Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.021	J	0.0042	0.052

General Chemistry

Client Sample ID: **VCF 1**

Lab Sample ID: 220-9228-1
Client Matrix: Solid
% Moisture: 26.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.1	U	mg/Kg	0.12	1.1	1.0	7196A
	Anly Batch: 680-139751	Date Analyzed		06/05/2009 1424		DryWt Corrected: Y	
	Prep Batch: 680-139603	Date Prepared:		06/04/2009 1305			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26.1		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27684	Date Analyzed		06/03/2009 1543			
Percent Solids	73.9		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27684	Date Analyzed		06/03/2009 1543			

Client Sample ID: **VCF 2**

Lab Sample ID: 220-9228-2
Client Matrix: Solid
% Moisture: 19.1
Date Sampled: 06/01/2009 1030
Date Received: 06/03/2009 0944

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.1	U	mg/Kg	0.12	1.1	1.0	7196A
	Anly Batch: 680-139751	Date Analyzed		06/05/2009 1424		DryWt Corrected: Y	
	Prep Batch: 680-139603	Date Prepared:		06/04/2009 1305			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19.1		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27684	Date Analyzed		06/03/2009 1543			
Percent Solids	80.9		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27684	Date Analyzed		06/03/2009 1543			

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

General Chemistry

Client Sample ID: **VTS 1**

Lab Sample ID: 220-9228-3
Client Matrix: Solid
% Moisture: 6.4
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.0	U	mg/Kg	0.11	1.0	1.0	7196A
	Anly Batch: 680-139751	Date Analyzed		06/05/2009 1424		DryWt Corrected: Y	
	Prep Batch: 680-139603	Date Prepared:		06/04/2009 1305			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.4		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27684	Date Analyzed		06/03/2009 1543			
Percent Solids	93.6		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27684	Date Analyzed		06/03/2009 1543			

Client Sample ID: **VTS 2**

Lab Sample ID: 220-9228-4
Client Matrix: Solid
% Moisture: 7.7
Date Sampled: 06/02/2009 0900
Date Received: 06/03/2009 0944

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Chromium, hexavalent	1.0	U	mg/Kg	0.11	1.0	1.0	7196A
	Anly Batch: 680-139751	Date Analyzed		06/05/2009 1425		DryWt Corrected: Y	
	Prep Batch: 680-139603	Date Prepared:		06/04/2009 1305			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.7		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27684	Date Analyzed		06/03/2009 1543			
Percent Solids	92.3		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27684	Date Analyzed		06/03/2009 1543			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-9228-1
Sdg Number: 220-9228

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	B	The analyte was found in an associated blank, as well as in the sample.
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC Semi VOA		
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	U	Indicates analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-9228-1
SDG Number: 220-9228

Login Number: 9228
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0C GUN#1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-9228-1
SDG Number: 220-9228

Login Number: 9228
Creator: Daughtry, Beth
List Number: 1

List Source: TestAmerica Savannah
List Creation: 06/03/09 03:18 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Ice melted
Cooler Temperature is acceptable.	False	6.2
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	

New York State Department of Environmental Conservation
Office of Environmental Quality, Region 5
Route 86 – P.O. Box 296, Ray Brook, New York 12977
Phone: (518) 897-1241 • **FAX:** (518) 897-1245
Website: www.dec.state.ny.us

John P. Cahill
Commissioner

August 23, 2000

Mr. Philip Theriault
Compliance Manager
ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

Re: **ESMI of New York**
Beneficial Use Determination #610-5-58
Fort Edward (V), Washington (Co.)

Dear Mr. Theriault:

Department staff have completed our review of your September 23, 1998 permit modification application, and subsequent revision dated August 9, 1999. This application included a request to accept and thermally treat soils contaminated with several new constituents and categorically place the post-treated soils in commerce for reuse based upon their analytical profile. Also included in this application were requests to modify the treated soil reuse options and the metals thresholds, which determine the reuse options, for all soils treated at the facility.

Since the reuse of post-treated soils must be addressed through a Beneficial Use Determination (BUD), the Department segregated all issues dealing with reuse of post-treated soils from the permit related issues while reviewing this application. Following this review, a case-specific BUD (#610-5-58) was prepared pursuant to 6 NYCRR 360-1.15(d) which addresses the reuse of all soils treated at your facility. This BUD will replace all existing BUDs and will apply to the reuse of all soils treated at the facility from the date of receipt of this letter. The provisions/requirements of BUD #610-5-58 are as follows:

1. The Department has determined that soils from ESMI's low temperature thermal desorption facility which: are successfully treated pursuant to the facility's Part 360 Solid Waste Management permit, including any permit modifications; meet the analytical criteria for reuse found in Table 5 of Attachment 4; and are reused in accordance with Attachment 3 no longer constitute solid waste pursuant to 6 NYCRR Part 360-1.15(d).The post-treated soils must be sampled, analyzed and managed in accordance with the post-treatment verification sampling and analytical requirements contained in Attachment 2.

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2. Post-treated soils which are successfully treated pursuant to the facility's Part 360 Solid Waste Management permit, including any permit modifications, and meet the analytical criteria for reuse found in Table 5 of Attachment 4 shall be considered inventory to ESMI, subject to a stockpiling limitation of 100,000 cubic yards as of December 31 of each calendar year.

3. This BUD is only applicable to non-hazardous, non-TSCA regulated soils which prior to treatment were contaminated with the wastes specified in Attachment 1.

4. In the case of soils contaminated with coal tar, this BUD is only applicable to soil which was never, at any time after its active management, a characteristic hazardous waste, and which prior to treatment contain total PCBs <1.0 ppm.

5. This BUD is only applicable to post-treated soils which have been sampled and analyzed in strict accordance with the post-treatment verification sampling protocol (Attachment 2) and which meet the limits for total metals for reuse specified in Attachment 4, Table 5, and categorically placed in commerce in accordance with reuse categories identified in Attachment 3, Table 3.

6. No blending of post-treated soils to adjust the total metals content from Reuse Category 3 to Reuse Category 2 is allowed.

7. Product marketability demonstration, as required by Part 360-1.15(d)(1)(iii), must be maintained through adherence to the post-treated material storage limits specified in condition 2 above.

8. Pursuant to 6 NYCRR Part 360-1.15(d)(4), the Department may rescind all or part of this BUD if it finds that one or more of the facts or matters serving as the basis for the Department's determination was incorrect or is no longer valid or the Department finds that there has been a violation of the 6 NYCRR Part 360 permit or this Beneficial Use Determination.

9.a. ESMI must disclose to the user/purchaser of the post-treated soil that the soil was previously contaminated and is a treated solid waste, the use of which is restricted based upon ESMI's analytical characterization for metals. The applicable treatment criteria must be disclosed to the user/purchaser to assure that the user/purchaser is fully informed as to the origin, nature and content of the soils.

b. ESMI shall obtain and maintain on file at the facility a signed "Treated Soil Reuse Agreement," from any buyer or user of the soil to whom the facility releases the treated waste; and shall otherwise assure that the buyer or user fully

understands the imposed restrictions. Within 30 days of the date of this BUD, ESMI shall prepare and submit to the Department a revised "Treated Soil Reuse Agreement" form which is consistent with the provisions/requirements included in this BUD. The new reuse agreement shall be provided to each user/purchaser of soil that is treated at the facility from the date of receipt of this letter.

c. ESMI shall maintain records as to the quantity and destination of treated soils that are transferred from the facility for reuse.

10.a. ESMI shall maintain records of all information required pursuant to this determination including all post-treatment verification data and treated waste reuse information as identified in condition 9 above.

b. No later than 60 days after the first day of January ESMI shall submit to the Department as specified below, an annual operating report. This report shall summarize all data obtained in accordance with condition 9 above and pursuant to Attachment 2 (post-treatment verification sampling).

One copy to:

Regional Solid & Hazardous Materials Engineer
NYSDEC
Route 86, PO Box 296
Ray Brook, NY 12977-0296

and

Chief, Beneficial Use Section
Bureau of Waste Reduction & Recycling
Division of Solid & Hazardous Materials
NYSDEC
50 Wolf Road
Albany, NY 12233-7253

If you should have any questions, please contact David Gasper at 623-1200.

Sincerely,

David Gasper for G.A.S.

George A. Stahler, P.E.
Reg. Solid & Hazardous Materials Engineer

GAS:DG:lc
enc.
cc: David Gasper
Tom Hall
Robert Phaneuf/ Melissa Treers
Jeff Schmitt/ Alyse Peterson

Table 1 - Acceptable Soil Contaminants

White Oil	*Seal oil, white oil*
Metalworking Oils	*Cutting oil, cooling oil*
Lubricating Oils	*Hydraulic oil, bearing oil, gear oil, penetrating oil, spindle oil, spray oil*
Electrical Oils	*Non-TSCA transformer oil, cooling oil, mineral oil (containing < 1 ppm PCBs)*
Petroleum Greases	
Petroleum Solvents	*Butyl Alcohol*, Ethyl Alcohol, Hexane, Naptha, Toluene*, Mineral Oil, Cyclohexane, Ethyl Benzene*, Methyl Alcohol*, Propyl Alcohol, Xylene*, Petroleum Distillate, Stoddard Solvent, Petroleum Naptha, Mineral Spirits, Petroleum thinner, Tetrachloroethylene*, Trichloroethylene*, 1,1,1 trichloroethane*, Methylene chloride* (*non-hazardous waste only)*
Natural Waxes	*Animal (beeswax, lanolin, shellac wax), Vegetable (carnauba, candelilla, bayberry, sugar cane), Mineral (oxocerite, ceresin, montain), Petroleum (paraffin, microcrystalline)*
Synthetic Waxes and Plasticizers	*Polyethylene wax Ethylene Copolymer Wax, Carbowaxes, Gersthofen Waxes, Polyhydric alcohol Esters, Waxy Ketones, Fatty Acid Amides, Imide Waxes, Polyol Ether Esters, Cellose Esters, Phthalates, Ethylene Glycol, Castor Oil, Camphor Oil*
Animal Oils	*Neatsfoot, Beef Tallow, Cod-liver Oil, Butterfat Oil, Herring Oil, Lard Oil, Tanners Oil*
Vegetable Oils	*Oiticica Oil, Castor Oil, Coconut Oil, Cottonut Oil, Groundnut Oil, Linseed Oil, Olive Oil, Palm Kernel, Palm Oil, Perilla Oil, Poppyseed Oil, Rapeseed Oil, Resin Oil, Safflower Oil, Sesame Oil, Soybean Oil, Sunflower Oil, Peanut Oil, Tucum Oil, Tung Oil, Esters and Fatty Acids, Turbine Oil, Corn Syrup, Carnauba Wax, Molasses, Croton Oil, Almond Oil, Tall Oil*
Industrial Oils	*Absorption Oil, Range Oil, Railroad Diesel, Marine Oil, Natural Gas Engine Oil*
Petrolatum	*Vaseline™, Stanolene, Petroleum Jelly, Vasolint, Filtrolatum, Filtrosoft, Kremoline, Pureline, Sherolatum, Stanolind, Saxoline, Cosmoline*
Urban Fill	*Historic Fill, Coal/wood ash fill*
Coal	*Bituminous, Anthracite, Lignite*
Coal Tar <1.0 ppm PCBs	*Coal Tar, Coal Tar Residues, Roofing Tar, Asphalt, Pitch*
Fuels	*Gasoline; Diesel; Kerosene; Jet Fuel; Fuel Oils 1-6, 1d, 2d; Bunker C*

BUD #610-5-58
August 23, 2000

Attachment 2

POST-TREATMENT VERIFICATION SAMPLING

Sampling and analyses of treated soils shall be performed as described below:

Contaminant Source	*Total Metals*
Analytical Methods (or equivalent method)	*6010B* 7000 Series
Virgin Fuels - gasoline; diesel; kerosene, jet fuel; fuel oils 1-6, 1d, 2d; bunker c	*X*
Virgin animal, vegetable and tall oils	*X*
Virgin petroleum solvents	*X*
Used oils, greases, lubricants	*X*
Electrical Oils	*X*
Used Animal, vegetable & tall oils	*X*
Waxes & Petrolatum	*X*
Used Petroleum Solvents	*X*
Urban Fill	*X*
Coal and Coal Tars	*X*

Sampling Frequency/Protocol

A. Virgin Fuels: {gasoline, diesel fuel, kerosene, jet fuel (JP-1,2,4,5 and 8), fuel oil (1-6,1-D, 2-D), Bunker C}

Post-treatment sampling of soil contaminated with a virgin fuel will require collection of one (1) composite sample for each one hundred and fifty(150) tons of treated soil. Sample collection will be performed through the following process;

1. *Collect one (1) composite sample for each 150 tons of soil treated. Each composite sample will be comprised of a minimum of 3 to 5 grab samples taken from various locations throughout the soil pile. The volume of each grab sample will be a minimum of eight (8) ounces. Reserve composite samples.*

2. *After ten (10) composite samples have been collected, pass all sample material through a 2-inch screen and combine all sample material to create a 1500 ton composite sample.*

3. *From the 1500 ton composite sample, collect five (5) representative subsamples of appropriate size for shipment to the laboratory. The subsamples should be obtained by taking a full core or "slice" of equal proportions through the mixed composite. The "slices" may then need to be riffled or coned and quartered. Send the five (5) composite samples to ELAP-certified laboratory for total metals analyses. In the case of treatment batches of less than 1500 tons, five (5) representative subsamples are still required for analyses.*

B. All Other Acceptable Soil Contaminants:

Post-treatment sampling of soil contaminated with other than a virgin fuel will require collection of one (1) composite sample for each one hundred (100) tons of treated soil. Sample collection will be performed through the following process;

1. *Collect one (1) composite sample for each 100 tons of soil treated. Each composite sample will be comprised of a minimum of 3 to 5 grab samples taken from various locations throughout the soil pile. The volume of each grab sample will be a minimum of eight (8) ounces. Reserve composite samples.*

2. *After ten (10) composite samples have been collected, pass all sample material through a 2-inch screen and combine all sample material to create a 1000 ton composite sample.*

3. *From the 1000 ton composite sample, collect five (5) representative subsamples of appropriate size for shipment to the laboratory. The subsamples should be obtained by taking a full core or "slice" of equal proportions through the mixed composite. The "slices" may then need to be riffled or coned and quartered. Send the five (5) composite samples to ELAP-certified laboratory for total metals analyses. In the case of treatment batches of less than 1000 tons, five (5) representative subsamples are still required for analyses.*

Post-Treatment Soil Handling Prior to Receipt of Analytical Results

Post-treatment soil awaiting analyses shall be stockpiled in discrete soil piles. The maximum capacity of each soil pile shall be as follows:

-Virgin Fuel Soils {gasoline, diesel fuel, kerosene, jet fuel (JP-1,2,4,5 and 8), fuel oil (1-6,1-D, 2-D), Bunker C} : 1500 tons

-All Other Soils: 1000 tons

Each soil pile shall be clearly marked in the field and the date of accumulation and sources of pre-treated soil recorded in a facility operating log and referenced to samples awaiting analyses. No soil shall be added to or retrieved from these piles until acceptable laboratory results are received.. The results of metals testing must be compared to the reuse categories specified in Attachment 3 of this BUD. If any metals levels exceed the regulatory thresholds for reuse category 3, the material must be either disposed of in accordance with 6 NYCRR Part 360 or upon written approval of the Department, beneficially used pursuant to 6 NYCRR Part 360-1.15(b)(10).

Alternatively, if the data set is normally distributed (e.g., the Coefficient of Variation is less than 1), the significance of outlying data points may be evaluated by computing the 90% (one-sided) Upper Confidence Limit (UCL) for the data set. The 90% UCL should then be compared to Reuse Categories 2 and 3 in Attachment 3 of this BUD. If the 90% UCL exceeds the regulatory thresholds for reuse category 3, the material must be either disposed of in accordance with 6 NYCRR Part 360 or upon written approval of the Department, beneficially used pursuant to 6 NYCRR Part 360-1.15(b)(10). No blending of post-treated soil to lower metals concentrations is allowed..

REUSE CRITERIA

Table 3 - Definition of Reuse Categories

Category	*Treatment/Reuse Criteria*	*Allowable Applications*	*Reuse Prohibitions*
Reuse 1	***Reserved***	***Reserved***	***Reserved***
Reuse 2	*Organics: STARS and TAGM 4046 Criteria* *Metals: See Table #5*	✦ *General Fill on Commercial and Industrial Sites* ✦ *Subbase*[1] ✦ *Backfill of original excavation* ✦ *Landfill Cover* ✦ *Incorporation into asphalt product, portland cement or concrete* ✦ *Other uses as approved in advance by the Department*	✦ *Surficial Applications* ✦ *Residential Applications*[3] ✦ *Playgrounds* ✦ *Wetlands*[2] ✦ *100-year Floodplains*[2] ✦ *Arable Land (Crop Production)*
Reuse 3	*Organics: STARS and TAGM 4046 Criteria* *Metals: See Table #5*	✦ *Subbase*[1] *covered by impermeable surface.* ✦ *Backfill of original excavation* ✦ *Landfill Cover* ✦ *Incorporation into asphalt product, portland cement or concrete* ✦ *Other uses as approved in advance by the Department*	✦ *Surficial Applications* ✦ *Residential Applications*[3] ✦ *Playgrounds* ✦ *Wetlands*[2] ✦ *100-year Floodplains*[2] ✦ *Arable Land (Crop Production)* ✦ *General Fill*[4]

[1] *Use as subbase material is subject to gradation and placement requirements specified in Table 4 below.*

[2] *Use in a wetland and/or 100-year floodplain is prohibited unless ESMI can document that all necessary state, federal and local permits/approvals/variances have been acquired by the property owner/project sponsor to place post-treated soil in these restricted areas. Use in a wetlands and/or 100-year floodplain must be approved in advance by the Department.*

[3] *Prohibition includes use as general fill and both covered and uncovered subbase for the construction of driveways.*

[4] *Prohibition excludes backfill of original excavation.*

Table 4 - Subbase Gradation/Placement Requirements

Sieve Designation	*NYSDOT Section 304*[A] *Subbase 3*	*NYSDOT Section 304*[A] *Subbase 4*
4"	*100*	-
2"	-	*100*
1/4 "	*30-65*	*30-65*
No. 40	*5-40*	*5-40*
No. 200	*0-10*	*0-10*
Placement of subbase materials is restricted to a maximum thickness of 24 inches. The material shall be placed and compacted in accordance with project engineer's specifications and/or current, acceptable construction practices.		

[4] New York State Department of Transportation (NYSDOT) Standard Specifications for Construction and Materials. January 2, 1990.

Note: Gradation testing shall be performed according to ASTM test method C136 and conducted by a technician with a New York State Asphalt Pavement Association Inc. certification for QC/QA recognized by an accredited school or college.

METALS LIMITS FOR REUSE

Table 5 - Metals Limits /Reuse Category

Reuse Category	*Reuse 1 (mg/kg)*	*Reuse 2 (mg/kg)*	*Reuse 3 (mg/kg)*
Antimony	*Reserved*	*2.7*	*NA*
Arsenic	*Reserved*	*14.5*	*41*
Barium	*Reserved*	*820*	*2000*
Beryllium	*Reserved*	*0.92*	*NA*
Cadmium	*Reserved*	*7.5*	*20*
Chromium (Total)	*Reserved*	*1000*	*1000*
Lead	*Reserved*	*150*	*400*
Mercury	*Reserved*	*0.73*	*4*
Nickel	*Reserved*	*130*	*NA*
Selenium	*Reserved*	*1*	*20*
Silver	*Reserved*	*8.3*	*100*
Thallium	*Reserved*	*0.71*	*NA*
Vanadium	*Reserved*	*280*	*NA*
Zinc	*Reserved*	*2480*	*NA*

CONSTRUCTION TECHNOLOGY

INSPECTION & TESTING DIVISION, P.D.& T.S., INC.
4 William Street, Ballston Lake, New York 12019
Phone: (518) 399-1848 Fax: (518) 399-1913

CLIENT: **LUCARELLI & SONS, INC.**
117 VOSBURGH ROAD
MECHANICVILLE, NEW YORK 12118

REPORT DATE: 10/29/08
SAMPLE NUMBER: 10665
OUR FILE NO: 612.001

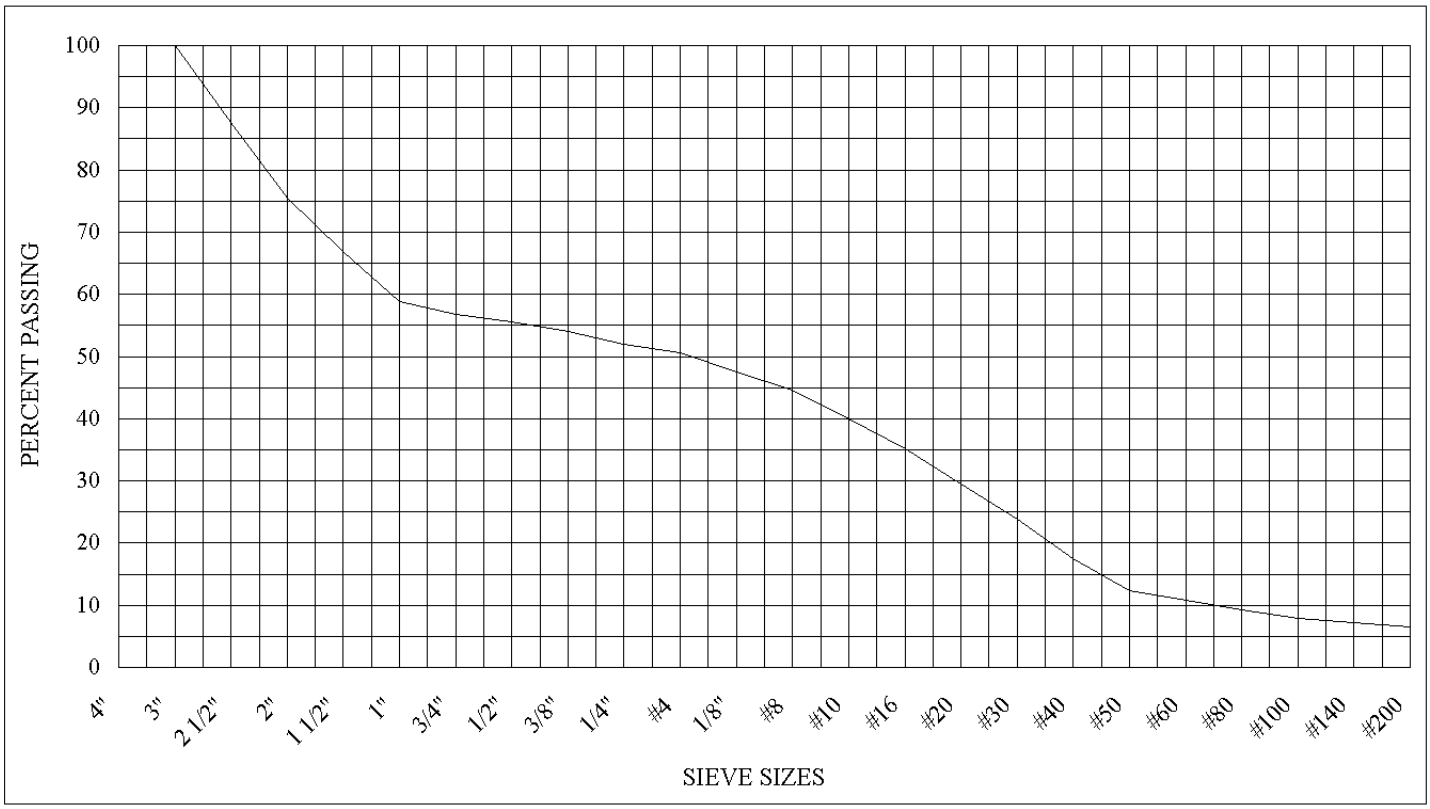
ATT'N: MR. JOHN LUCARELLI
REVIEWED BY: TOM JOSLIN, SET, NICET

PROJECT: **SOIL MATERIAL EVALUATION**

ASTM C136 / C117 / D422: SIZE DISTRIBUTION OF SOIL & AGGREGATES: SIEVE ANALYSIS

MATERIAL SOURCE: **DELIVERED BY CLIENT: CLIENT ID: GEORGE THOMPSON PIT: R.O.B. GRAVEL**
MATERIAL DESCRIPTION: GRAVEL, fine; and medium Sand; trace Silt/Clay
MATERIAL PROJECT USE: PER CLIENT
EVALUATION SPECIFICATION: PER CLIENT

COARSE SIEVE SERIES: US STANDARD				MEDIUM SIEVE SERIES: US STANDARD				FINE SIEVE SERIES: US STANDARD			
SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE	SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE	SIEVE SIZE	PERCENT RETAINED	PERCENT PASSING	SPECIFICATION ALLOWANCE
4"				1/4"	48.1	51.9		#50	87.7	12.3	
3"		100.0		#4	49.4	50.6		#60			
2 1/2"				1/8"				#80			
2"	24.6	75.4		#8	55.4	44.6		#100	92.2	7.8	
1 1/2"	33.0	67.0		#10				#140			
1"	41.2	58.8		#16	64.8	35.2		#200	93.5	6.5	
3/4"	43.2	56.8		#20				SILT			
1/2"	44.4	55.6		#30	76.2	23.8		CLAY			
3/8"	46.0	54.0		#40	82.5	17.5		COLLOID			



Appendix F

Analytical Results for Confirmation Samples

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8804-1

SDG Number: 220-8804

Job Description: NYSEG Mechanicville Post Excavation

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
4/21/2009 5:19 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
04/21/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8270C	Smith, Karli	KS
EPA Moisture	Lynch, Eon	EL

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8804-1	MCEXOM08001	Solid	04/16/2009 1530	04/17/2009 1000
220-8804-2	MCEXSW05002	Solid	04/16/2009 1530	04/17/2009 1000
220-8804-3	MCEXSW04003	Solid	04/16/2009 1530	04/17/2009 1000
220-8804-4	MCEXSW08004	Solid	04/16/2009 1530	04/17/2009 1000
220-8804-5	MCEXSW07005	Solid	04/16/2009 1530	04/17/2009 1000

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Client Sample ID: **MCEXOM08001**

Lab Sample ID: 220-8804-1
Client Matrix: Solid
% Moisture: 27.3
Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/17/2009 1830
Date Prepared: 04/17/2009 1830
Analysis Batch: 220-26417
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2294.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		6.9	U	0.78	6.9
Toluene		6.9	U	0.10	6.9
Ethylbenzene		6.9	U	0.96	6.9
Xylenes, Total		6.9	U	0.67	6.9

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	97	50 - 118
1,2-Dichloroethane-d4 (Surr)	92	59 - 132
4-Bromofluorobenzene	92	34 - 124
Dibromofluoromethane	90	59 - 123

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Client Sample ID: **MCEXSW05002**

Lab Sample ID: 220-8804-2
Client Matrix: Solid
% Moisture: 13.0
Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/17/2009 1856
Date Prepared: 04/17/2009 1856
Analysis Batch: 220-26417
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2295.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		5.7	U	0.66	5.7
Toluene		0.27	J	0.085	5.7
Ethylbenzene		5.7	U	0.80	5.7
Xylenes, Total		5.7	U	0.56	5.7

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	97	50 - 118
1,2-Dichloroethane-d4 (Surr)	90	59 - 132
4-Bromofluorobenzene	105	34 - 124
Dibromofluoromethane	94	59 - 123

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Client Sample ID: **MCEXSW04003**

Lab Sample ID: 220-8804-3
Client Matrix: Solid
% Moisture: 14.6
Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/17/2009 1921
Date Prepared: 04/17/2009 1921
Analysis Batch: 220-26417
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2296.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		5.9	U	0.67	5.9
Toluene		5.9	U	0.087	5.9
Ethylbenzene		5.9	U	0.82	5.9
Xylenes, Total		5.9	U	0.57	5.9

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	95	50 - 118
1,2-Dichloroethane-d4 (Surr)	87	59 - 132
4-Bromofluorobenzene	95	34 - 124
Dibromofluoromethane	90	59 - 123

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Client Sample ID: **MCEXSW08004**

Lab Sample ID: 220-8804-4
Client Matrix: Solid
% Moisture: 15.0
Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/17/2009 1946
Date Prepared: 04/17/2009 1946
Analysis Batch: 220-26417
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2297.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		5.9	U	0.67	5.9
Toluene		5.9	U	0.087	5.9
Ethylbenzene		5.9	U	0.82	5.9
Xylenes, Total		5.9	U	0.57	5.9

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	97	50 - 118
1,2-Dichloroethane-d4 (Surr)	93	59 - 132
4-Bromofluorobenzene	93	34 - 124
Dibromofluoromethane	92	59 - 123

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Client Sample ID: **MCEXSW07005**

Lab Sample ID:	220-8804-5			Date Sampled:	04/16/2009 1530
Client Matrix:	Solid	% Moisture:	20.7	Date Received:	04/17/2009 1000

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-26417		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5030B			Lab File ID:	N2298.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Date Analyzed:	04/17/2009 2012			Final Weight/Volume:	5 mL
Date Prepared:	04/17/2009 2012				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		6.3	U	0.72	6.3
Toluene		6.3	U	0.093	6.3
Ethylbenzene		6.3	U	0.88	6.3
Xylenes, Total		6.3	U	0.61	6.3

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	95	50 - 118
1,2-Dichloroethane-d4 (Surr)	94	59 - 132
4-Bromofluorobenzene	87	34 - 124
Dibromofluoromethane	95	59 - 123

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Client Sample ID: **MCEXOM08001**

Lab Sample ID: 220-8804-1
Client Matrix: Solid
% Moisture: 27.3
Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/20/2009 1421
Date Prepared: 04/17/2009 1117
Analysis Batch: 220-26412
Prep Batch: 220-26323
Instrument ID: HP 6890/5975
Lab File ID: A4809.D
Initial Weight/Volume: 15.68 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		360	U	18	360
2-Methylnaphthalene		360	U	10	360
Acenaphthylene		360	U	17	360
Acenaphthene		360	U	21	360
Fluorene		360	U	21	360
Phenanthrene		150	J	18	360
Anthracene		32	J	14	360
Fluoranthene		230	J	18	360
Pyrene		160	J	17	360
Benzo[a]anthracene		120	J	13	360
Chrysene		150	J	26	360
Benzo[b]fluoranthene		160	J	9.5	360
Benzo[k]fluoranthene		53	J	32	360
Benzo[a]pyrene		120	J	9.6	360
Indeno[1,2,3-cd]pyrene		94	J	23	360
Dibenz(a,h)anthracene		360	U	28	360
Benzo[g,h,i]perylene		390		23	360

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	76	25 - 113
Phenol-d5	76	27 - 122
Nitrobenzene-d5	77	25 - 120
2-Fluorobiphenyl	81	32 - 131
2,4,6-Tribromophenol	88	24 - 150
Terphenyl-d14	79	35 - 140

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Client Sample ID: **MCEXSW05002**

Lab Sample ID: 220-8804-2
Client Matrix: Solid
% Moisture: 13.0
Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/20/2009 1447
Date Prepared: 04/17/2009 1117
Analysis Batch: 220-26412
Prep Batch: 220-26323
Instrument ID: HP 6890/5975
Lab File ID: A4810.D
Initial Weight/Volume: 15.69 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		1200		15	300
2-Methylnaphthalene		1300		8.5	300
Acenaphthylene		530		15	300
Acenaphthene		140	J	18	300
Fluorene		180	J	18	300
Phenanthrene		2600		15	300
Anthracene		940		12	300
Fluoranthene		3500		15	300
Pyrene		1700		14	300
Benzo[a]anthracene		1600		11	300
Chrysene		2100		22	300
Benzo[b]fluoranthene		2200		7.9	300
Benzo[k]fluoranthene		780		27	300
Benzo[a]pyrene		1300		8.0	300
Indeno[1,2,3-cd]pyrene		670		19	300
Dibenz(a,h)anthracene		430		23	300
Benzo[g,h,i]perylene		750		19	300

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	76	25 - 113
Phenol-d5	80	27 - 122
Nitrobenzene-d5	80	25 - 120
2-Fluorobiphenyl	88	32 - 131
2,4,6-Tribromophenol	83	24 - 150
Terphenyl-d14	61	35 - 140

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Client Sample ID: **MCEXSW04003**

Lab Sample ID: 220-8804-3
Client Matrix: Solid
% Moisture: 14.6
Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/20/2009 1514
Date Prepared: 04/17/2009 1117
Analysis Batch: 220-26412
Prep Batch: 220-26323
Instrument ID: HP 6890/5975
Lab File ID: A4811.D
Initial Weight/Volume: 15.37 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		930		16	310
2-Methylnaphthalene		1200		8.8	310
Acenaphthylene		650		15	310
Acenaphthene		170	J	18	310
Fluorene		160	J	19	310
Phenanthrene		2600		15	310
Anthracene		1000		12	310
Fluoranthene		3600		15	310
Pyrene		2100		15	310
Benzo[a]anthracene		1500		11	310
Chrysene		2100		23	310
Benzo[b]fluoranthene		2000		8.2	310
Benzo[k]fluoranthene		750		28	310
Benzo[a]pyrene		1300		8.3	310
Indeno[1,2,3-cd]pyrene		870		20	310
Dibenz(a,h)anthracene		460		24	310
Benzo[g,h,i]perylene		900		20	310

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	72	25 - 113
Phenol-d5	78	27 - 122
Nitrobenzene-d5	77	25 - 120
2-Fluorobiphenyl	87	32 - 131
2,4,6-Tribromophenol	88	24 - 150
Terphenyl-d14	74	35 - 140

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Client Sample ID: **MCEXSW08004**

Lab Sample ID: 220-8804-4
Client Matrix: Solid
% Moisture: 15.0
Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/20/2009 1540
Date Prepared: 04/17/2009 1117
Analysis Batch: 220-26412
Prep Batch: 220-26323
Instrument ID: HP 6890/5975
Lab File ID: A4812.D
Initial Weight/Volume: 15.12 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		320	U	16	320
2-Methylnaphthalene		320	U	9.0	320
Acenaphthylene		320	U	15	320
Acenaphthene		320	U	19	320
Fluorene		320	U	19	320
Phenanthrene		320	U	16	320
Anthracene		320	U	12	320
Fluoranthene		320	U	16	320
Pyrene		320	U	15	320
Benzo[a]anthracene		320	U	11	320
Chrysene		320	U	23	320
Benzo[b]fluoranthene		320	U	8.4	320
Benzo[k]fluoranthene		320	U	28	320
Benzo[a]pyrene		320	U	8.5	320
Indeno[1,2,3-cd]pyrene		320	U	20	320
Dibenz(a,h)anthracene		320	U	25	320
Benzo[g,h,i]perylene		320	U	21	320

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	75	25 - 113
Phenol-d5	73	27 - 122
Nitrobenzene-d5	79	25 - 120
2-Fluorobiphenyl	81	32 - 131
2,4,6-Tribromophenol	86	24 - 150
Terphenyl-d14	63	35 - 140

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Client Sample ID: **MCEXSW07005**

Lab Sample ID: 220-8804-5
Client Matrix: Solid
% Moisture: 20.7
Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/20/2009 1606
Date Prepared: 04/17/2009 1117
Analysis Batch: 220-26412
Prep Batch: 220-26323
Instrument ID: HP 6890/5975
Lab File ID: A4813.D
Initial Weight/Volume: 15.82 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		1800		17	320
2-Methylnaphthalene		610		9.2	320
Acenaphthylene		320	J	16	320
Acenaphthene		320	U	19	320
Fluorene		320	U	19	320
Phenanthrene		530		16	320
Anthracene		200	J	13	320
Fluoranthene		530		16	320
Pyrene		440		15	320
Benzo[a]anthracene		240	J	11	320
Chrysene		440		24	320
Benzo[b]fluoranthene		430		8.6	320
Benzo[k]fluoranthene		150	J	29	320
Benzo[a]pyrene		230	J	8.7	320
Indeno[1,2,3-cd]pyrene		200	J	21	320
Dibenz(a,h)anthracene		330		25	320
Benzo[g,h,i]perylene		450		21	320

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	79	25 - 113
Phenol-d5	80	27 - 122
Nitrobenzene-d5	79	25 - 120
2-Fluorobiphenyl	83	32 - 131
2,4,6-Tribromophenol	98	24 - 150
Terphenyl-d14	78	35 - 140

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

General Chemistry

Client Sample ID: **MCEXOM08001**

Lab Sample ID: 220-8804-1
Client Matrix: Solid

Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	27.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	72.7		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client Sample ID: **MCEXSW05002**

Lab Sample ID: 220-8804-2
Client Matrix: Solid

Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	87.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client Sample ID: **MCEXSW04003**

Lab Sample ID: 220-8804-3
Client Matrix: Solid

Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	85.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

General Chemistry

Client Sample ID: **MCEXSW08004**

Lab Sample ID: 220-8804-4
Client Matrix: Solid

Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	85.0		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

Client Sample ID: **MCEXSW07005**

Lab Sample ID: 220-8804-5
Client Matrix: Solid

Date Sampled: 04/16/2009 1530
Date Received: 04/17/2009 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.7		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			
Percent Solids	79.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26420		Date Analyzed	04/20/2009 2143			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8804-1
Sdg Number: 220-8804

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8804-1
SDG Number: 220-8804

Login Number: 8804
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8849-1

SDG Number: 220-8849

Job Description: NYSEG Mechanicville Post Excavation

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
4/24/2009 3:26 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
04/24/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8849-1
Sdg Number: 220-8849

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8849-1
Sdg Number: 220-8849

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8270C	Szymczuk, Magdalena	MS
EPA Moisture	Capece, Bill	BC

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8849-1
Sdg Number: 220-8849

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8849-1	MCEXBM 05 006	Solid	04/21/2009 1315	04/22/2009 0930
220-8849-2	MCEXSW 04 007	Solid	04/21/2009 1315	04/22/2009 0930
220-8849-3	MCEXSW 03 008	Solid	04/21/2009 1315	04/22/2009 0930

Client: AECOM, Inc.

Job Number: 220-8849-1
Sdg Number: 220-8849

Client Sample ID: **MCEXBM 05 006**

Lab Sample ID:	220-8849-1			Date Sampled:	04/21/2009 1315
Client Matrix:	Solid	% Moisture:	16.3	Date Received:	04/22/2009 0930

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-26569		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5030B			Lab File ID:	N2375.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Date Analyzed:	04/22/2009 1424			Final Weight/Volume:	5 mL
Date Prepared:	04/22/2009 1424				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		6.0	U	0.68	6.0
Toluene		0.12	J	0.088	6.0
Ethylbenzene		6.0	U	0.84	6.0
Xylenes, Total		6.0	U	0.58	6.0

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	98	50 - 118
1,2-Dichloroethane-d4 (Surr)	88	59 - 132
4-Bromofluorobenzene	93	34 - 124
Dibromofluoromethane	91	59 - 123

Client: AECOM, Inc.

Job Number: 220-8849-1
Sdg Number: 220-8849

Client Sample ID: **MCEXSW 04 007**

Lab Sample ID:	220-8849-2			Date Sampled:	04/21/2009 1315
Client Matrix:	Solid	% Moisture:	20.3	Date Received:	04/22/2009 0930

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-26569		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5030B			Lab File ID:	N2376.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Date Analyzed:	04/22/2009 1449			Final Weight/Volume:	5 mL
Date Prepared:	04/22/2009 1449				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		6.3	U	0.71	6.3
Toluene		6.3	U	0.093	6.3
Ethylbenzene		6.3	U	0.88	6.3
Xylenes, Total		6.3	U	0.61	6.3

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	92	50 - 118
1,2-Dichloroethane-d4 (Surr)	85	59 - 132
4-Bromofluorobenzene	92	34 - 124
Dibromofluoromethane	87	59 - 123

Client: AECOM, Inc.

Job Number: 220-8849-1
Sdg Number: 220-8849

Client Sample ID: **MCEXSW 03 008**

Lab Sample ID:	220-8849-3			Date Sampled:	04/21/2009 1315
Client Matrix:	Solid	% Moisture:	11.4	Date Received:	04/22/2009 0930

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-26569		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5030B			Lab File ID:	N2377.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Date Analyzed:	04/22/2009 1515			Final Weight/Volume:	5 mL
Date Prepared:	04/22/2009 1515				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		5.6	U	0.64	5.6
Toluene		5.6	U	0.083	5.6
Ethylbenzene		5.6	U	0.79	5.6
Xylenes, Total		5.6	U	0.55	5.6

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	97	50 - 118
1,2-Dichloroethane-d4 (Surr)	88	59 - 132
4-Bromofluorobenzene	98	34 - 124
Dibromofluoromethane	91	59 - 123

Client: AECOM, Inc.

Job Number: 220-8849-1
Sdg Number: 220-8849

Client Sample ID: **MCEXBM 05 006**

Lab Sample ID: 220-8849-1
Client Matrix: Solid
% Moisture: 16.3
Date Sampled: 04/21/2009 1315
Date Received: 04/22/2009 0930

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 2.0
Date Analyzed: 04/24/2009 1352
Date Prepared: 04/22/2009 1049
Analysis Batch: 220-26589
Prep Batch: 220-26476
Instrument ID: HP 6890/5975
Lab File ID: C10796.D
Initial Weight/Volume: 15.06 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		550	J	33	640
2-Methylnaphthalene		370	J	18	640
Acenaphthylene		4800		31	640
Acenaphthene		640	U	38	640
Fluorene		360	J	39	640
Phenanthrene		1200		32	640
Anthracene		1400		25	640
Fluoranthene		1300		32	640
Pyrene		1600		30	640
Benzo[a]anthracene		770		23	640
Chrysene		990		47	640
Benzo[b]fluoranthene		1400		17	640
Benzo[k]fluoranthene		480	J	58	640
Benzo[a]pyrene		1200		17	640
Indeno[1,2,3-cd]pyrene		1900		42	640
Dibenz(a,h)anthracene		460	J	50	640
Benzo[g,h,i]perylene		2100		42	640

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	39	25 - 113
Phenol-d5	40	27 - 122
Nitrobenzene-d5	40	25 - 120
2-Fluorobiphenyl	40	32 - 131
2,4,6-Tribromophenol	41	24 - 150
Terphenyl-d14	39	35 - 140

Client: AECOM, Inc.

Job Number: 220-8849-1
Sdg Number: 220-8849

Client Sample ID: **MCEXSW 04 007**

Lab Sample ID: 220-8849-2
Client Matrix: Solid
% Moisture: 20.3
Date Sampled: 04/21/2009 1315
Date Received: 04/22/2009 0930

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/23/2009 1834
Date Prepared: 04/22/2009 1049
Analysis Batch: 220-26543
Prep Batch: 220-26476
Instrument ID: HP 6890/5975
Lab File ID: C10761.D
Initial Weight/Volume: 15.01 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		69	J	18	340
2-Methylnaphthalene		340	U	9.6	340
Acenaphthylene		340	U	17	340
Acenaphthene		340	U	20	340
Fluorene		340	U	20	340
Phenanthrene		340	U	17	340
Anthracene		340	U	13	340
Fluoranthene		340	U	17	340
Pyrene		70	J	16	340
Benzo[a]anthracene		340	U	12	340
Chrysene		340	U	25	340
Benzo[b]fluoranthene		340	U	9.0	340
Benzo[k]fluoranthene		340	U	30	340
Benzo[a]pyrene		340	U	9.1	340
Indeno[1,2,3-cd]pyrene		340	U	22	340
Dibenz(a,h)anthracene		340	U	27	340
Benzo[g,h,i]perylene		340	U	22	340

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	65	25 - 113
Phenol-d5	64	27 - 122
Nitrobenzene-d5	64	25 - 120
2-Fluorobiphenyl	63	32 - 131
2,4,6-Tribromophenol	55	24 - 150
Terphenyl-d14	83	35 - 140

Client: AECOM, Inc.

Job Number: 220-8849-1
Sdg Number: 220-8849

Client Sample ID: **MCEXSW 03 008**

Lab Sample ID: 220-8849-3
Client Matrix: Solid
% Moisture: 11.4
Date Sampled: 04/21/2009 1315
Date Received: 04/22/2009 0930

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/23/2009 1928
Date Prepared: 04/22/2009 1049
Analysis Batch: 220-26543
Prep Batch: 220-26476
Instrument ID: HP 6890/5975
Lab File ID: C10763.D
Initial Weight/Volume: 15.08 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		900		16	300
2-Methylnaphthalene		920		8.6	300
Acenaphthylene		590		15	300
Acenaphthene		300	J	18	300
Fluorene		280	J	18	300
Phenanthrene		3400		15	300
Anthracene		1300		12	300
Fluoranthene		5000		15	300
Pyrene		3300		14	300
Benzo[a]anthracene		2700		11	300
Chrysene		3100		22	300
Benzo[b]fluoranthene		3300		8.1	300
Benzo[k]fluoranthene		1200		27	300
Benzo[a]pyrene		2800		8.2	300
Indeno[1,2,3-cd]pyrene		1500		20	300
Dibenz(a,h)anthracene		410		24	300
Benzo[g,h,i]perylene		1200		20	300

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	58	25 - 113
Phenol-d5	63	27 - 122
Nitrobenzene-d5	61	25 - 120
2-Fluorobiphenyl	65	32 - 131
2,4,6-Tribromophenol	61	24 - 150
Terphenyl-d14	57	35 - 140

General Chemistry

Client Sample ID: **MCEXBM 05 006**

Lab Sample ID: 220-8849-1
Client Matrix: Solid

Date Sampled: 04/21/2009 1315
Date Received: 04/22/2009 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26496		Date Analyzed	04/22/2009 1621			
Percent Solids	83.7		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26496		Date Analyzed	04/22/2009 1621			

Client Sample ID: **MCEXSW 04 007**

Lab Sample ID: 220-8849-2
Client Matrix: Solid

Date Sampled: 04/21/2009 1315
Date Received: 04/22/2009 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	20.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26496		Date Analyzed	04/22/2009 1621			
Percent Solids	79.7		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26496		Date Analyzed	04/22/2009 1621			

Client Sample ID: **MCEXSW 03 008**

Lab Sample ID: 220-8849-3
Client Matrix: Solid

Date Sampled: 04/21/2009 1315
Date Received: 04/22/2009 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26496		Date Analyzed	04/22/2009 1621			
Percent Solids	88.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26496		Date Analyzed	04/22/2009 1621			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8849-1
Sdg Number: 220-8849

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8849-1
SDG Number: 220-8849

Login Number: 8849
List Source: TestAmerica Connecticut
Creator: Teixeira, Maria L
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
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ANALYTICAL REPORT

Job Number: 220-8864-1

SDG Number: 220-8864

Job Description: NYSEG Mechanicville Post Excavation

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
4/24/2009 11:21 AM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
04/24/2009

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TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8864-1
Sdg Number: 220-8864

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8864-1
Sdg Number: 220-8864

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8270C	Szymczuk, Magdalena	MS
EPA Moisture	Lynch, Eon	EL

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8864-1
Sdg Number: 220-8864

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8864-1	MCEXBM06009	Solid	04/22/2009 1330	04/23/2009 0930
220-8864-2	MCEXSW04010	Solid	04/22/2009 1330	04/23/2009 0930

Client: AECOM, Inc.

Job Number: 220-8864-1
Sdg Number: 220-8864

Client Sample ID: **MCEXBM06009**

Lab Sample ID: 220-8864-1
Client Matrix: Solid
% Moisture: 39.1
Date Sampled: 04/22/2009 1330
Date Received: 04/23/2009 0930

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/23/2009 1409
Date Prepared: 04/23/2009 1409
Analysis Batch: 220-26561
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0309.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		8.2	U	0.94	8.2
Toluene		8.2	U	0.12	8.2
Ethylbenzene		8.2	U	1.2	8.2
Xylenes, Total		8.2	U	0.80	8.2

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	97	50 - 118
1,2-Dichloroethane-d4 (Surr)	83	59 - 132
4-Bromofluorobenzene	102	34 - 124
Dibromofluoromethane	85	59 - 123

Client: AECOM, Inc.

Job Number: 220-8864-1
Sdg Number: 220-8864

Client Sample ID: **MCEXSW04010**

Lab Sample ID: 220-8864-2
Client Matrix: Solid
% Moisture: 15.3
Date Sampled: 04/22/2009 1330
Date Received: 04/23/2009 0930

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/23/2009 1434
Date Prepared: 04/23/2009 1434
Analysis Batch: 220-26561
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0310.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		5.9	U	0.67	5.9
Toluene		5.9	U	0.087	5.9
Ethylbenzene		5.9	U	0.83	5.9
Xylenes, Total		5.9	U	0.57	5.9

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	101	50 - 118
1,2-Dichloroethane-d4 (Surr)	82	59 - 132
4-Bromofluorobenzene	95	34 - 124
Dibromofluoromethane	86	59 - 123

Client: AECOM, Inc.

Job Number: 220-8864-1
Sdg Number: 220-8864

Client Sample ID: **MCEXBM06009**

Lab Sample ID: 220-8864-1
Client Matrix: Solid
% Moisture: 39.1
Date Sampled: 04/22/2009 1330
Date Received: 04/23/2009 0930

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/23/2009 1713
Date Prepared: 04/23/2009 1016
Analysis Batch: 220-26543
Prep Batch: 220-26510
Instrument ID: HP 6890/5975
Lab File ID: C10758.D
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		440	U	23	440
2-Methylnaphthalene		440	U	13	440
Acenaphthylene		440	U	22	440
Acenaphthene		440	U	26	440
Fluorene		440	U	27	440
Phenanthrene		440	U	22	440
Anthracene		440	U	17	440
Fluoranthene		440	U	22	440
Pyrene		440	U	21	440
Benzo[a]anthracene		440	U	16	440
Chrysene		440	U	33	440
Benzo[b]fluoranthene		440	U	12	440
Benzo[k]fluoranthene		440	U	40	440
Benzo[a]pyrene		440	U	12	440
Indeno[1,2,3-cd]pyrene		440	U	29	440
Dibenz(a,h)anthracene		440	U	35	440
Benzo[g,h,i]perylene		440	U	29	440

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	68	25 - 113
Phenol-d5	68	27 - 122
Nitrobenzene-d5	63	25 - 120
2-Fluorobiphenyl	65	32 - 131
2,4,6-Tribromophenol	72	24 - 150
Terphenyl-d14	83	35 - 140

Client: AECOM, Inc.

Job Number: 220-8864-1
Sdg Number: 220-8864

Client Sample ID: **MCEXSW04010**

Lab Sample ID: 220-8864-2
Client Matrix: Solid
% Moisture: 15.3
Date Sampled: 04/22/2009 1330
Date Received: 04/23/2009 0930

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/23/2009 1740
Date Prepared: 04/23/2009 1016
Analysis Batch: 220-26543
Prep Batch: 220-26510
Instrument ID: HP 6890/5975
Lab File ID: C10759.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		320	U	17	320
2-Methylnaphthalene		320	U	9.1	320
Acenaphthylene		270	J	16	320
Acenaphthene		320	U	19	320
Fluorene		320	U	19	320
Phenanthrene		760		16	320
Anthracene		130	J	12	320
Fluoranthene		950		16	320
Pyrene		960		15	320
Benzo[a]anthracene		280	J	11	320
Chrysene		500		23	320
Benzo[b]fluoranthene		540		8.5	320
Benzo[k]fluoranthene		220	J	29	320
Benzo[a]pyrene		450		8.6	320
Indeno[1,2,3-cd]pyrene		420		21	320
Dibenz(a,h)anthracene		83	J	25	320
Benzo[g,h,i]perylene		440		21	320

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	63	25 - 113
Phenol-d5	62	27 - 122
Nitrobenzene-d5	64	25 - 120
2-Fluorobiphenyl	66	32 - 131
2,4,6-Tribromophenol	73	24 - 150
Terphenyl-d14	86	35 - 140

Client: AECOM, Inc.

Job Number: 220-8864-1
Sdg Number: 220-8864

General Chemistry

Client Sample ID: **MCEXBM06009**

Lab Sample ID: 220-8864-1
Client Matrix: Solid

Date Sampled: 04/22/2009 1330
Date Received: 04/23/2009 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	39.1		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26560		Date Analyzed	04/23/2009 1835			
Percent Solids	60.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26560		Date Analyzed	04/23/2009 1835			

Client Sample ID: **MCEXSW04010**

Lab Sample ID: 220-8864-2
Client Matrix: Solid

Date Sampled: 04/22/2009 1330
Date Received: 04/23/2009 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26560		Date Analyzed	04/23/2009 1835			
Percent Solids	84.7		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26560		Date Analyzed	04/23/2009 1835			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8864-1
Sdg Number: 220-8864

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8864-1
SDG Number: 220-8864

Login Number: 8864
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8925-1

SDG Number: 220-8925

Job Description: NYSEG Mechanicville Post Excavation

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
5/1/2009 4:19 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
05/01/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8270C	Jonas, Stephan	SJ
EPA Moisture	Capece, Bill	BC

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8925-1	MC EX SW05011	Solid	04/28/2009 1130	04/29/2009 0945
220-8925-2	MC EX SW03012	Solid	04/28/2009 1130	04/29/2009 0945
220-8925-3	MC EX SW05013	Solid	04/28/2009 1130	04/29/2009 0945

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

Client Sample ID: **MC EX SW05011**

Lab Sample ID: 220-8925-1
Client Matrix: Solid
% Moisture: 14.6
Date Sampled: 04/28/2009 1130
Date Received: 04/29/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/29/2009 2114
Date Prepared: 04/29/2009 2114
Analysis Batch: 220-26751
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0340.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		5.9	U	0.67	5.9
Toluene		5.9	U	0.087	5.9
Ethylbenzene		5.9	U	0.82	5.9
Xylenes, Total		5.9	U	0.57	5.9

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	85	50 - 118
1,2-Dichloroethane-d4 (Surr)	79	59 - 132
4-Bromofluorobenzene	98	34 - 124
Dibromofluoromethane	81	59 - 123

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

Client Sample ID: **MC EX SW03012**

Lab Sample ID: 220-8925-2
Client Matrix: Solid
% Moisture: 21.5
Date Sampled: 04/28/2009 1130
Date Received: 04/29/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/29/2009 2025
Date Prepared: 04/29/2009 2025
Analysis Batch: 220-26751
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0338.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		6.4	U	0.73	6.4
Toluene		6.4	U	0.094	6.4
Ethylbenzene		6.4	U	0.89	6.4
Xylenes, Total		6.4	U	0.62	6.4

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	81	50 - 118
1,2-Dichloroethane-d4 (Surr)	79	59 - 132
4-Bromofluorobenzene	74	34 - 124
Dibromofluoromethane	80	59 - 123

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

Client Sample ID: **MC EX SW05013**

Lab Sample ID: 220-8925-3
Client Matrix: Solid
% Moisture: 34.9
Date Sampled: 04/28/2009 1130
Date Received: 04/29/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 04/29/2009 2204
Date Prepared: 04/29/2009 2204
Analysis Batch: 220-26751
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0342.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		7.7	U	0.88	7.7
Toluene		7.7	U	0.11	7.7
Ethylbenzene		7.7	U	1.1	7.7
Xylenes, Total		7.7	U	0.75	7.7

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	83	50 - 118
1,2-Dichloroethane-d4 (Surr)	75	59 - 132
4-Bromofluorobenzene	86	34 - 124
Dibromofluoromethane	74	59 - 123

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

Client Sample ID: **MC EX SW05011**

Lab Sample ID: 220-8925-1
Client Matrix: Solid
% Moisture: 14.6
Date Sampled: 04/28/2009 1130
Date Received: 04/29/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/30/2009 2016
Date Prepared: 04/29/2009 1157
Analysis Batch: 220-26768
Prep Batch: 220-26692
Instrument ID: HP 6890/5975
Lab File ID: C10949.D
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		320	U	16	320
2-Methylnaphthalene		320	U	9.0	320
Acenaphthylene		320	U	15	320
Acenaphthene		320	U	19	320
Fluorene		320	U	19	320
Phenanthrene		320	U	16	320
Anthracene		320	U	12	320
Fluoranthene		320	U	16	320
Pyrene		320	U	15	320
Benzo[a]anthracene		320	U	11	320
Chrysene		320	U	23	320
Benzo[b]fluoranthene		320	U	8.4	320
Benzo[k]fluoranthene		320	U	28	320
Benzo[a]pyrene		320	U	8.5	320
Indeno[1,2,3-cd]pyrene		320	U	20	320
Dibenz(a,h)anthracene		320	U	25	320
Benzo[g,h,i]perylene		320	U	21	320

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	67	25 - 113
Phenol-d5	66	27 - 122
Nitrobenzene-d5	68	25 - 120
2-Fluorobiphenyl	66	32 - 131
2,4,6-Tribromophenol	64	24 - 150
Terphenyl-d14	75	35 - 140

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

Client Sample ID: **MC EX SW03012**

Lab Sample ID: 220-8925-2
Client Matrix: Solid
% Moisture: 21.5
Date Sampled: 04/28/2009 1130
Date Received: 04/29/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/30/2009 2043
Date Prepared: 04/29/2009 1157
Analysis Batch: 220-26768
Prep Batch: 220-26692
Instrument ID: HP 6890/5975
Lab File ID: C10950.D
Initial Weight/Volume: 15.08 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		340	U	18	340
2-Methylnaphthalene		340	U	9.8	340
Acenaphthylene		340	U	17	340
Acenaphthene		340	U	20	340
Fluorene		340	U	21	340
Phenanthrene		340	U	17	340
Anthracene		340	U	13	340
Fluoranthene		340	U	17	340
Pyrene		340	U	16	340
Benzo[a]anthracene		340	U	12	340
Chrysene		340	U	25	340
Benzo[b]fluoranthene		340	U	9.1	340
Benzo[k]fluoranthene		340	U	31	340
Benzo[a]pyrene		340	U	9.3	340
Indeno[1,2,3-cd]pyrene		340	U	22	340
Dibenz(a,h)anthracene		340	U	27	340
Benzo[g,h,i]perylene		340	U	22	340

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	70	25 - 113
Phenol-d5	70	27 - 122
Nitrobenzene-d5	69	25 - 120
2-Fluorobiphenyl	65	32 - 131
2,4,6-Tribromophenol	69	24 - 150
Terphenyl-d14	84	35 - 140

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

Client Sample ID: **MC EX SW05013**

Lab Sample ID: 220-8925-3
Client Matrix: Solid
% Moisture: 34.9
Date Sampled: 04/28/2009 1130
Date Received: 04/29/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 04/30/2009 2110
Date Prepared: 04/29/2009 1157
Analysis Batch: 220-26768
Prep Batch: 220-26692
Instrument ID: HP 6890/5975
Lab File ID: C10951.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		88	J	21	410
2-Methylnaphthalene		150	J	12	410
Acenaphthylene		100	J	20	410
Acenaphthene		410	U	25	410
Fluorene		410	U	25	410
Phenanthrene		370	J	20	410
Anthracene		410	U	16	410
Fluoranthene		670		21	410
Pyrene		1100		19	410
Benzo[a]anthracene		480		15	410
Chrysene		610		31	410
Benzo[b]fluoranthene		760		11	410
Benzo[k]fluoranthene		310	J	37	410
Benzo[a]pyrene		740		11	410
Indeno[1,2,3-cd]pyrene		950		27	410
Dibenz(a,h)anthracene		120	J	33	410
Benzo[g,h,i]perylene		1200		27	410

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	58	25 - 113
Phenol-d5	59	27 - 122
Nitrobenzene-d5	57	25 - 120
2-Fluorobiphenyl	59	32 - 131
2,4,6-Tribromophenol	66	24 - 150
Terphenyl-d14	81	35 - 140

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

General Chemistry

Client Sample ID: **MC EX SW05011**

Lab Sample ID: 220-8925-1
Client Matrix: Solid

Date Sampled: 04/28/2009 1130
Date Received: 04/29/2009 0945

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701		Date Analyzed	04/29/2009 1558			
Percent Solids	85.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701		Date Analyzed	04/29/2009 1558			

Client Sample ID: **MC EX SW03012**

Lab Sample ID: 220-8925-2
Client Matrix: Solid

Date Sampled: 04/28/2009 1130
Date Received: 04/29/2009 0945

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701		Date Analyzed	04/29/2009 1558			
Percent Solids	78.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701		Date Analyzed	04/29/2009 1558			

Client Sample ID: **MC EX SW05013**

Lab Sample ID: 220-8925-3
Client Matrix: Solid

Date Sampled: 04/28/2009 1130
Date Received: 04/29/2009 0945

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	34.9		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701		Date Analyzed	04/29/2009 1558			
Percent Solids	65.1		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26701		Date Analyzed	04/29/2009 1558			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8925-1
Sdg Number: 220-8925

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8925-1
SDG Number: 220-8925

Login Number: 8925
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8995-1

SDG Number: 220-8995

Job Description: NYSEG Mechanicville Post Excavation

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
5/7/2009 4:12 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
05/07/2009

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TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8995-1
Sdg Number: 220-8995

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541
Percent Moisture	TAL CT	EPA Moisture	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8995-1
Sdg Number: 220-8995

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8270C	Jonas, Stephan	SJ
EPA Moisture	Capece, Bill	BC

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8995-1
Sdg Number: 220-8995

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8995-1	MCEXSW04 014	Solid	05/01/2009 1130	05/05/2009 0945
220-8995-2	MCEXSW02 015	Solid	05/04/2009 1200	05/05/2009 0945
220-8995-3	MCEXSW03 016	Solid	05/04/2009 1200	05/05/2009 0945

Client: AECOM, Inc.

Job Number: 220-8995-1
Sdg Number: 220-8995

Client Sample ID: **MCEXSW04 014**

Lab Sample ID:	220-8995-1			Date Sampled:	05/01/2009 1130
Client Matrix:	Solid	% Moisture:	27.6	Date Received:	05/05/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-26884		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5030B			Lab File ID:	O0433.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Date Analyzed:	05/05/2009 1759			Final Weight/Volume:	5 mL
Date Prepared:	05/05/2009 1759				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		6.9	U	0.79	6.9
Toluene		6.9	U	0.10	6.9
Ethylbenzene		6.9	U	0.97	6.9
Xylenes, Total		6.9	U	0.67	6.9

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	53	50 - 118
1,2-Dichloroethane-d4 (Surr)	71	59 - 132
4-Bromofluorobenzene	45	34 - 124
Dibromofluoromethane	63	59 - 123

Client: AECOM, Inc.

Job Number: 220-8995-1
Sdg Number: 220-8995

Client Sample ID: **MCEXSW02 015**

Lab Sample ID: 220-8995-2
Client Matrix: Solid
% Moisture: 11.3
Date Sampled: 05/04/2009 1200
Date Received: 05/05/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/05/2009 1823
Date Prepared: 05/05/2009 1823
Analysis Batch: 220-26884
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0434.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		5.6	U	0.64	5.6
Toluene		5.6	U	0.083	5.6
Ethylbenzene		5.6	U	0.79	5.6
Xylenes, Total		5.6	U	0.55	5.6

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	65	50 - 118
1,2-Dichloroethane-d4 (Surr)	69	59 - 132
4-Bromofluorobenzene	50	34 - 124
Dibromofluoromethane	69	59 - 123

Client: AECOM, Inc.

Job Number: 220-8995-1
Sdg Number: 220-8995

Client Sample ID: **MCEXSW03 016**

Lab Sample ID: 220-8995-3
Client Matrix: Solid
% Moisture: 19.2
Date Sampled: 05/04/2009 1200
Date Received: 05/05/2009 0945

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/05/2009 1848
Date Prepared: 05/05/2009 1848
Analysis Batch: 220-26884
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: O0435.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		2.0	J	0.71	6.2
Toluene		6.2	U	0.092	6.2
Ethylbenzene		6.2	U	0.87	6.2
Xylenes, Total		6.2	U	0.60	6.2

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	65	50 - 118
1,2-Dichloroethane-d4 (Surr)	70	59 - 132
4-Bromofluorobenzene	67	34 - 124
Dibromofluoromethane	66	59 - 123

Client: AECOM, Inc.

Job Number: 220-8995-1
Sdg Number: 220-8995

Client Sample ID: **MCEXSW04 014**

Lab Sample ID: 220-8995-1
Client Matrix: Solid
% Moisture: 27.6
Date Sampled: 05/01/2009 1130
Date Received: 05/05/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 5.0
Date Analyzed: 05/06/2009 1410
Date Prepared: 05/05/2009 1015
Analysis Batch: 220-26897
Prep Batch: 220-26855
Instrument ID: HP 6890/5975
Lab File ID: C11040.D
Initial Weight/Volume: 15.07 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		11000		96	1900
2-Methylnaphthalene		23000		53	1900
Acenaphthylene		15000		91	1900
Acenaphthene		1900	U	110	1900
Fluorene		4600		110	1900
Phenanthrene		4900		91	1900
Anthracene		5100		72	1900
Fluoranthene		7800		92	1900
Pyrene		12000		87	1900
Benzo[a]anthracene		5500		66	1900
Chrysene		2900		140	1900
Benzo[b]fluoranthene		9500		49	1900
Benzo[k]fluoranthene		3100		170	1900
Benzo[a]pyrene		17000		50	1900
Indeno[1,2,3-cd]pyrene		7200		120	1900
Dibenz(a,h)anthracene		1400	J	150	1900
Benzo[g,h,i]perylene		8100		120	1900

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	69	34 - 120
Phenol-d5	70	36 - 120
Nitrobenzene-d5	69	38 - 120
2-Fluorobiphenyl	77	41 - 120
2,4,6-Tribromophenol	91	37 - 120
Terphenyl-d14	59	32 - 125

Client: AECOM, Inc.

Job Number: 220-8995-1
Sdg Number: 220-8995

Client Sample ID: **MCEXSW02 015**

Lab Sample ID: 220-8995-2
Client Matrix: Solid
% Moisture: 11.3
Date Sampled: 05/04/2009 1200
Date Received: 05/05/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/05/2009 2105
Date Prepared: 05/05/2009 1015
Analysis Batch: 220-26878
Prep Batch: 220-26855
Instrument ID: HP 6890/5975
Lab File ID: C11027.D
Initial Weight/Volume: 15.01 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		33	J	16	300
2-Methylnaphthalene		12	J	8.7	300
Acenaphthylene		300	U	15	300
Acenaphthene		300	U	18	300
Fluorene		300	U	18	300
Phenanthrene		300	U	15	300
Anthracene		300	U	12	300
Fluoranthene		300	U	15	300
Pyrene		300	U	14	300
Benzo[a]anthracene		300	U	11	300
Chrysene		300	U	22	300
Benzo[b]fluoranthene		300	U	8.1	300
Benzo[k]fluoranthene		300	U	27	300
Benzo[a]pyrene		300	U	8.2	300
Indeno[1,2,3-cd]pyrene		300	U	20	300
Dibenz(a,h)anthracene		300	U	24	300
Benzo[g,h,i]perylene		300	U	20	300

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	65	34 - 120
Phenol-d5	63	36 - 120
Nitrobenzene-d5	65	38 - 120
2-Fluorobiphenyl	68	41 - 120
2,4,6-Tribromophenol	70	37 - 120
Terphenyl-d14	51	32 - 125

Client: AECOM, Inc.

Job Number: 220-8995-1
Sdg Number: 220-8995

Client Sample ID: **MCEXSW03 016**

Lab Sample ID: 220-8995-3
Client Matrix: Solid
% Moisture: 19.2
Date Sampled: 05/04/2009 1200
Date Received: 05/05/2009 0945

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/05/2009 2132
Date Prepared: 05/05/2009 1015
Analysis Batch: 220-26878
Prep Batch: 220-26855
Instrument ID: HP 6890/5975
Lab File ID: C11028.D
Initial Weight/Volume: 15.00 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		550		17	330
2-Methylnaphthalene		61	J	9.5	330
Acenaphthylene		150	J	16	330
Acenaphthene		21	J	20	330
Fluorene		44	J	20	330
Phenanthrene		390		16	330
Anthracene		120	J	13	330
Fluoranthene		910		17	330
Pyrene		440		16	330
Benzo[a]anthracene		490		12	330
Chrysene		550		25	330
Benzo[b]fluoranthene		770		8.9	330
Benzo[k]fluoranthene		270	J	30	330
Benzo[a]pyrene		640		9.0	330
Indeno[1,2,3-cd]pyrene		360		22	330
Dibenz(a,h)anthracene		65	J	26	330
Benzo[g,h,i]perylene		280	J	22	330

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	60	34 - 120
Phenol-d5	58	36 - 120
Nitrobenzene-d5	61	38 - 120
2-Fluorobiphenyl	65	41 - 120
2,4,6-Tribromophenol	74	37 - 120
Terphenyl-d14	50	32 - 125

General Chemistry

Client Sample ID: **MCEXSW04 014**

Lab Sample ID: 220-8995-1
Client Matrix: Solid

Date Sampled: 05/01/2009 1130
Date Received: 05/05/2009 0945

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	27.6		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881		Date Analyzed	05/05/2009 1659			
Percent Solids	72.4		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881		Date Analyzed	05/05/2009 1659			

Client Sample ID: **MCEXSW02 015**

Lab Sample ID: 220-8995-2
Client Matrix: Solid

Date Sampled: 05/04/2009 1200
Date Received: 05/05/2009 0945

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.3		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881		Date Analyzed	05/05/2009 1659			
Percent Solids	88.7		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881		Date Analyzed	05/05/2009 1659			

Client Sample ID: **MCEXSW03 016**

Lab Sample ID: 220-8995-3
Client Matrix: Solid

Date Sampled: 05/04/2009 1200
Date Received: 05/05/2009 0945

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19.2		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881		Date Analyzed	05/05/2009 1659			
Percent Solids	80.8		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-26881		Date Analyzed	05/05/2009 1659			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8995-1
Sdg Number: 220-8995

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8995-1
SDG Number: 220-8995

Login Number: 8995
List Source: TestAmerica Connecticut
Creator: Teixeira, Maria L
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-9046-1

SDG Number: 220-9046

Job Description: NYSEG Mechanicville Post Excavation

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
5/13/2009 4:34 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
05/13/2009

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TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541
Percent Moisture	TAL CT	EPA Moisture	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

Method	Analyst	Analyst ID
SW846 8260B	Paveglio, Peter R	PRP
SW846 8270C	Jonas, Stephan	SJ
EPA Moisture	Capece, Bill	BC

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-9046-1	MCEXSW05017	Solid	05/07/2009 1545	05/09/2009 1030
220-9046-2	MCEXSW05018	Solid	05/08/2009 1420	05/09/2009 1030
220-9046-3	MCEXSW06019	Solid	05/08/2009 1440	05/09/2009 1030

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

Client Sample ID: **MCEXSW05017**

Lab Sample ID: 220-9046-1
Client Matrix: Solid
% Moisture: 28.2
Date Sampled: 05/07/2009 1545
Date Received: 05/09/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/11/2009 1451
Date Prepared: 05/11/2009 1451
Analysis Batch: 220-27118
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2677.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		9.9		0.79	7.0
Toluene		16	B	0.10	7.0
Ethylbenzene		46		0.97	7.0
Xylenes, Total		68		0.68	7.0

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	81		50 - 118
1,2-Dichloroethane-d4 (Surr)	58	*	59 - 132
4-Bromofluorobenzene	85		34 - 124
Dibromofluoromethane	66		59 - 123

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

Client Sample ID: **MCEXSW05018**

Lab Sample ID: 220-9046-2
Client Matrix: Solid
% Moisture: 32.5
Date Sampled: 05/08/2009 1420
Date Received: 05/09/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/11/2009 1517
Date Prepared: 05/11/2009 1517
Analysis Batch: 220-27118
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2678.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		7.4	U	0.84	7.4
Toluene		7.4	U	0.11	7.4
Ethylbenzene		7.4	U	1.0	7.4
Xylenes, Total		7.4	U	0.72	7.4

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	83	50 - 118
1,2-Dichloroethane-d4 (Surr)	60	59 - 132
4-Bromofluorobenzene	86	34 - 124
Dibromofluoromethane	63	59 - 123

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

Client Sample ID: **MCEXSW06019**

Lab Sample ID: 220-9046-3
Client Matrix: Solid
% Moisture: 31.2
Date Sampled: 05/08/2009 1440
Date Received: 05/09/2009 1030

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 05/11/2009 1542
Date Prepared: 05/11/2009 1542
Analysis Batch: 220-27118
Instrument ID: HP 5890/5971A GC/MS
Lab File ID: N2679.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		7.3	U	0.83	7.3
Toluene		0.54	J B	0.11	7.3
Ethylbenzene		7.3	U	1.0	7.3
Xylenes, Total		7.3	U	0.71	7.3

Surrogate	%Rec		Acceptance Limits
Toluene-d8 (Surr)	80		50 - 118
1,2-Dichloroethane-d4 (Surr)	57	*	59 - 132
4-Bromofluorobenzene	86		34 - 124
Dibromofluoromethane	64		59 - 123

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

Client Sample ID: **MCEXSW05017**

Lab Sample ID:	220-9046-1			Date Sampled:	05/07/2009 1545
Client Matrix:	Solid	% Moisture:	28.2	Date Received:	05/09/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 220-27068		Instrument ID:	HP 6890/5975
Preparation:	3541	Prep Batch: 220-27000		Lab File ID:	C11171.D
Dilution:	2.0			Initial Weight/Volume:	15.54 g
Date Analyzed:	05/12/2009 1312			Final Weight/Volume:	1 mL
Date Prepared:	05/09/2009 1109			Injection Volume:	1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		9300		38	730
2-Methylnaphthalene		2100		21	730
Acenaphthylene		480	J	35	730
Acenaphthene		1400		43	730
Fluorene		610	J	44	730
Phenanthrene		1700		36	730
Anthracene		430	J	28	730
Fluoranthene		710	J	36	730
Pyrene		1000		34	730
Benzo[a]anthracene		330	J	26	730
Chrysene		440	J	53	730
Benzo[b]fluoranthene		380	J	19	730
Benzo[k]fluoranthene		97	J	65	730
Benzo[a]pyrene		350	J	20	730
Indeno[1,2,3-cd]pyrene		210	J	47	730
Dibenz(a,h)anthracene		730	U	57	730
Benzo[g,h,i]perylene		270	J	47	730

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	59	34 - 120
Phenol-d5	63	36 - 120
Nitrobenzene-d5	52	38 - 120
2-Fluorobiphenyl	64	41 - 120
2,4,6-Tribromophenol	68	37 - 120
Terphenyl-d14	74	32 - 125

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

Client Sample ID: **MCEXSW05018**

Lab Sample ID: 220-9046-2
Client Matrix: Solid
% Moisture: 32.5
Date Sampled: 05/08/2009 1420
Date Received: 05/09/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 05/11/2009 2049
Date Prepared: 05/09/2009 1109
Analysis Batch: 220-27058
Prep Batch: 220-27000
Instrument ID: HP 6890/5975
Lab File ID: C11161.D
Initial Weight/Volume: 15.15 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		6600		21	400
2-Methylnaphthalene		3700		11	400
Acenaphthylene		3000		19	400
Acenaphthene		1500		23	400
Fluorene		970		24	400
Phenanthrene		1400		20	400
Anthracene		670		15	400
Fluoranthene		340	J	20	400
Pyrene		470		19	400
Benzo[a]anthracene		250	J	14	400
Chrysene		230	J	29	400
Benzo[b]fluoranthene		300	J	11	400
Benzo[k]fluoranthene		97	J	36	400
Benzo[a]pyrene		540		11	400
Indeno[1,2,3-cd]pyrene		1200		26	400
Dibenz(a,h)anthracene		140	J	31	400
Benzo[g,h,i]perylene		2300		26	400

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	51	34 - 120
Phenol-d5	52	36 - 120
Nitrobenzene-d5	49	38 - 120
2-Fluorobiphenyl	56	41 - 120
2,4,6-Tribromophenol	53	37 - 120
Terphenyl-d14	54	32 - 125

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

Client Sample ID: **MCEXSW06019**

Lab Sample ID: 220-9046-3
Client Matrix: Solid
% Moisture: 31.2
Date Sampled: 05/08/2009 1440
Date Received: 05/09/2009 1030

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 10
Date Analyzed: 05/12/2009 1500
Date Prepared: 05/09/2009 1109
Analysis Batch: 220-27068
Prep Batch: 220-27000
Instrument ID: HP 6890/5975
Lab File ID: C11175.D
Initial Weight/Volume: 15.71 g
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		46000		190	3700
2-Methylnaphthalene		27000		110	3700
Acenaphthylene		11000		180	3700
Acenaphthene		1300	J	220	3700
Fluorene		2300	J	220	3700
Phenanthrene		6400		180	3700
Anthracene		3100	J	150	3700
Fluoranthene		1500	J	190	3700
Pyrene		2100	J	180	3700
Benzo[a]anthracene		800	J	130	3700
Chrysene		990	J	280	3700
Benzo[b]fluoranthene		2500	J	100	3700
Benzo[k]fluoranthene		590	J	340	3700
Benzo[a]pyrene		5000		100	3700
Indeno[1,2,3-cd]pyrene		3000	J	240	3700
Dibenz(a,h)anthracene		430	J	290	3700
Benzo[g,h,i]perylene		4900		240	3700

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	53	34 - 120
Phenol-d5	60	36 - 120
Nitrobenzene-d5	50	38 - 120
2-Fluorobiphenyl	68	41 - 120
2,4,6-Tribromophenol	98	37 - 120
Terphenyl-d14	69	32 - 125

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

General Chemistry

Client Sample ID: **MCEXSW05017**

Lab Sample ID: 220-9046-1
Client Matrix: Solid

Date Sampled: 05/07/2009 1545
Date Received: 05/09/2009 1030

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	28.2		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-27026		Date Analyzed	05/11/2009 1418			
Percent Solids	71.8		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-27026		Date Analyzed	05/11/2009 1418			

Client Sample ID: **MCEXSW05018**

Lab Sample ID: 220-9046-2
Client Matrix: Solid

Date Sampled: 05/08/2009 1420
Date Received: 05/09/2009 1030

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	32.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-27026		Date Analyzed	05/11/2009 1418			
Percent Solids	67.5		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-27026		Date Analyzed	05/11/2009 1418			

Client Sample ID: **MCEXSW06019**

Lab Sample ID: 220-9046-3
Client Matrix: Solid

Date Sampled: 05/08/2009 1440
Date Received: 05/09/2009 1030

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	31.2		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-27026		Date Analyzed	05/11/2009 1418			
Percent Solids	68.8		%	0.100	0.100	1.0	Moisture
	Anly Batch: 220-27026		Date Analyzed	05/11/2009 1418			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-9046-1
Sdg Number: 220-9046

Lab Section	Qualifier	Description
GC/MS VOA		
	*	Surrogate exceeds the control limit
	B	The analyte was found in an associated blank, as well as in the sample.
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-9046-1
SDG Number: 220-9046

Login Number: 9046
List Source: TestAmerica Connecticut
Creator: Dini, Tracy
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-9296-1

SDG Number: 220-9296

Job Description: NYSEG Mechanicville Post Excavation

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
6/11/2009 1:21 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
06/11/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-9296-1
Sdg Number: 220-9296

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541
Percent Moisture	TAL CT	EPA Moisture	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-9296-1
Sdg Number: 220-9296

Method	Analyst	Analyst ID
SW846 8260B	Paveglio, Peter R	PRP
SW846 8270C	Jonas, Stephan	SJ
EPA Moisture	Capece, Bill	BC

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-9296-1
Sdg Number: 220-9296

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-9296-1	MCEXBM 05 020	Solid	06/09/2009 1300	06/10/2009 0930
220-9296-2	MCEXSW 02 021	Solid	06/09/2009 1300	06/10/2009 0930

Client: AECOM, Inc.

Job Number: 220-9296-1
Sdg Number: 220-9296

Client Sample ID: **MCEXBM 05 020**

Lab Sample ID:	220-9296-1			Date Sampled:	06/09/2009 1300
Client Matrix:	Solid	% Moisture:	9.8	Date Received:	06/10/2009 0930

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-27927		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5030B			Lab File ID:	N3157.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Date Analyzed:	06/10/2009 1629			Final Weight/Volume:	5 mL
Date Prepared:	06/10/2009 1629				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		5.5	U	0.63	5.5
Toluene		5.5	U	0.082	5.5
Ethylbenzene		5.5	U	0.78	5.5
Xylenes, Total		5.5	U	0.54	5.5

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	66	50 - 118
1,2-Dichloroethane-d4 (Surr)	72	59 - 132
4-Bromofluorobenzene	63	34 - 124
Dibromofluoromethane	69	59 - 123

Client: AECOM, Inc.

Job Number: 220-9296-1
Sdg Number: 220-9296

Client Sample ID: **MCEXSW 02 021**

Lab Sample ID:	220-9296-2			Date Sampled:	06/09/2009 1300
Client Matrix:	Solid	% Moisture:	11.2	Date Received:	06/10/2009 0930

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 220-27927		Instrument ID:	HP 5890/5971A GC/MS
Preparation:	5030B			Lab File ID:	N3158.D
Dilution:	1.0			Initial Weight/Volume:	5 g
Date Analyzed:	06/10/2009 1654			Final Weight/Volume:	5 mL
Date Prepared:	06/10/2009 1654				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Benzene		5.6	U	0.64	5.6
Toluene		5.6	U	0.083	5.6
Ethylbenzene		5.6	U	0.79	5.6
Xylenes, Total		5.6	U	0.55	5.6

Surrogate	%Rec	Acceptance Limits
Toluene-d8 (Surr)	62	50 - 118
1,2-Dichloroethane-d4 (Surr)	70	59 - 132
4-Bromofluorobenzene	62	34 - 124
Dibromofluoromethane	68	59 - 123

Client: AECOM, Inc.

Job Number: 220-9296-1
Sdg Number: 220-9296

Client Sample ID: **MCEXBM 05 020**

Lab Sample ID: 220-9296-1
Client Matrix: Solid
% Moisture: 9.8
Date Sampled: 06/09/2009 1300
Date Received: 06/10/2009 0930

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 06/10/2009 1710
Date Prepared: 06/10/2009 1119
Analysis Batch: 220-27928
Prep Batch: 220-27883
Instrument ID: HP 6890/5975
Lab File ID: A5493.D
Initial Weight/Volume: 15.03 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		300	U	15	300
2-Methylnaphthalene		300	U	8.5	300
Acenaphthylene		300	U	15	300
Acenaphthene		300	U	18	300
Fluorene		300	U	18	300
Phenanthrene		300	U	15	300
Anthracene		300	U	12	300
Fluoranthene		300	U	15	300
Pyrene		300	U	14	300
Benzo[a]anthracene		300	U	11	300
Chrysene		300	U	22	300
Benzo[b]fluoranthene		300	U	8.0	300
Benzo[k]fluoranthene		300	U	27	300
Benzo[a]pyrene		300	U	8.1	300
Indeno[1,2,3-cd]pyrene		300	U	19	300
Dibenz(a,h)anthracene		300	U	23	300
Benzo[g,h,i]perylene		300	U	19	300

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	82	34 - 120
Phenol-d5	77	36 - 120
Nitrobenzene-d5	81	38 - 120
2-Fluorobiphenyl	78	41 - 120
2,4,6-Tribromophenol	77	37 - 120
Terphenyl-d14	99	32 - 125

Client: AECOM, Inc.

Job Number: 220-9296-1
Sdg Number: 220-9296

Client Sample ID: **MCEXSW 02 021**

Lab Sample ID: 220-9296-2
Client Matrix: Solid
% Moisture: 11.2
Date Sampled: 06/09/2009 1300
Date Received: 06/10/2009 0930

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C
Preparation: 3541
Dilution: 1.0
Date Analyzed: 06/10/2009 1736
Date Prepared: 06/10/2009 1119
Analysis Batch: 220-27928
Prep Batch: 220-27883
Instrument ID: HP 6890/5975
Lab File ID: A5494.D
Initial Weight/Volume: 15.02 g
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Naphthalene		260	J	16	300
2-Methylnaphthalene		200	J	8.7	300
Acenaphthylene		250	J	15	300
Acenaphthene		300	U	18	300
Fluorene		34	J	18	300
Phenanthrene		450		15	300
Anthracene		140	J	12	300
Fluoranthene		380		15	300
Pyrene		530		14	300
Benzo[a]anthracene		390		11	300
Chrysene		780		22	300
Benzo[b]fluoranthene		750		8.1	300
Benzo[k]fluoranthene		240	J	27	300
Benzo[a]pyrene		400		8.2	300
Indeno[1,2,3-cd]pyrene		600		20	300
Dibenz(a,h)anthracene		180	J	24	300
Benzo[g,h,i]perylene		640		20	300

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	68	34 - 120
Phenol-d5	70	36 - 120
Nitrobenzene-d5	77	38 - 120
2-Fluorobiphenyl	76	41 - 120
2,4,6-Tribromophenol	70	37 - 120
Terphenyl-d14	98	32 - 125

Client: AECOM, Inc.

Job Number: 220-9296-1
Sdg Number: 220-9296

General Chemistry

Client Sample ID: **MCEXBM 05 020**

Lab Sample ID: 220-9296-1
Client Matrix: Solid

Date Sampled: 06/09/2009 1300
Date Received: 06/10/2009 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.8		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27907		Date Analyzed	06/10/2009 1531			
Percent Solids	90.2		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27907		Date Analyzed	06/10/2009 1531			

Client Sample ID: **MCEXSW 02 021**

Lab Sample ID: 220-9296-2
Client Matrix: Solid

Date Sampled: 06/09/2009 1300
Date Received: 06/10/2009 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.2		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27907		Date Analyzed	06/10/2009 1531			
Percent Solids	88.8		%	0.10	0.10	1.0	Moisture
	Anly Batch: 220-27907		Date Analyzed	06/10/2009 1531			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-9296-1
Sdg Number: 220-9296

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-9296-1
SDG Number: 220-9296

Login Number: 9296
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.6C GUN#1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Appendix G

SPDES Permit and Analytical Results for Water Discharge Samples

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS
for
POINT DISCHARGE INTO ANTHONY KILL
during
REMEDIAL CONSTRUCTION OF NYSEG MECHANICVILLE MGP SITE

DURING THE PERIOD BEGINNING December 1, 2008
AND ENDING June 1, 2009

Parameter	Discharge limitations (3)	Notes
flow	none	meter
pH	6.5 to 8.5 s.u.	1
solids, total suspended	10 mg/l	1
benzene	0.80 µg/l	1,2
ethylbenzene	5 µg/l	1
toluene	5 µg/l	1
1,2 xylene	5 µg/l	1
1,3 xylene	5 µg/l	1
1,4 xylene	5 µg/l	1
acenaphthene	10 µg/l	1
acenaphthylene	10 µg/l	1
anthracene	10 µg/l	1
benzo(a)anthracene	10 µg/l	1
benzo(a)pyrene	0.090 µg/l	1,2
benzo(b)fluoranthene	0.070 µg/l	1,2
benzo(g,h,i)perylene	10 µg/l	1
benzo(k)fluoranthene	0.020 µg/l	1,2
pyrene	10 µg/l	1
chrysene	0.60 µg/l	1,2
fluoranthene	10 µg/l	1
indeno(1,2,3-cd)pyrene	0.20 µg/l	1,2
naphthalene	10 µg/l	1
phenanthrene	10 µg/l	1
dibenzo(a,h)anthracene	10 µg/l	1
fluorene	10 µg/l	1

Parameter	Discharge limitations (3)	Notes	
cyanide, amenable to chlorination	60 µg/l	1,2	
phenolics, total	8.0 µg/l	1,2	must use EPA Methods 420.1 or 420.2
barium, total		1	monitor only
cadmium, total		1	monitor only
chromium, total		1	monitor only
copper, total		1	monitor only
iron, total		1	monitor only
lead, total		1	monitor only
manganese, total		1	monitor only
nickel, total		1	monitor only
zinc, total		1	monitor only

Notes:

1: grab sample, minimum of once per week

2: Discharge limit is set at the practical quantitation limit. Actual surface water effluent standard/limitation is below this limit.

3: To confirm treatment efficacy, the first batch of treated water shall be containerized and sampled to show compliance with the requirements above. Following this compliance evaluation, monitoring will be performed at the frequency identified above.

Additional Conditions:

A. All monitoring data, engineering submissions and modification requests must be submitted to:

John Spellman, P.E.
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7014

B. Only site generated wastewater is authorized for treatment and discharge

mg/l = milligrams per liter
µg/l = micrograms per liter

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway, Albany, New York 12233-7014
Phone: (518) 402-9662 • **FAX:** (518) 402-9679
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

May 22, 2009

Tracy L. Blazicek, CHMM
Lead Environmental Analyst
Site Remediation and Investigation
Environmental Compliance Team NY
New York State Electric and Gas Corporation
18 Link Drive
Binghamton NY 13904

RE: Mechanicville Central Ave. Former MGP Site, 5-46-033
Mechanicville, Saratoga Co.
Discharge to Anthony Kill

Dear Mr. Blazicek:

As you requested, the New York State Department of Environmental Conservation hereby approves an extension to continue the discharge of site-generated water into the Anthony Kill, including water originating from nearby off-site bedrock. This extension expires on December 1, 2009. The discharge monitoring and limitation requirements remain unchanged from my November 20, 2008 email, which I have enclosed for your information.

Please call me at (518) 402-9648 or at the telephone number above if you have any questions.

Sincerely,

John Spellman

John Spellman, P.E.
Project Manager
Division of Environmental Remediation

enc.
c: Scott Underhill, Earth Tech

From: John Spellman
To: Underhill, Scott
CC: tlblazicek@nyseg.com
Date: 11/20/2008 11:28 AM
Subject: Re: NYSEG Mechanicville MGP SPDES Permit
Attachments: hw546033.2008-11-20.discharge requirements.pdf

Hi Scott,

Here is the form as you requested. Please note the requirements for metals has been updated, to reflect my October 17, 2006 email on the subject.

John Spellman, P.E.
New York State Department of
Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233
(518) 402-9648

>>> "Underhill, Scott" <Scott.Underhill@aecom.com> 11/18/2008 4:55 PM >>>
John-

Attached is a copy of the NYSDEC correspondence dated 09-25-06 outlining the requirements of the discharge requirements to the Anthony Kill. Can you resend the form with December 1, 2008 as the start date?

Thanks,

Scott

Scott Underhill, PE

Project Engineer

AECOM Environment

D: 518.951.2208 C: 518.396.7638

email: scott.underhill@aecom.com <mailto:scott.underhill@aecom.com>

AECOM

40 British American Blvd

Latham, NY 12110

T: 518.951.2200 F: 518.951.2300

www.aecom.com

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS
for
POINT DISCHARGE INTO ANTHONY KILL
during
REMEDIAL CONSTRUCTION OF NYSEG MECHANICVILLE MGP SITE

DURING THE PERIOD BEGINNING December 1, 2008
AND ENDING June 1, 2009

Parameter	Discharge limitations (3)	Notes
flow	none	meter
pH	6.5 to 8.5 s.u.	1
solids, total suspended	10 mg/l	1
benzene	0.80 µg/l	1,2
ethylbenzene	5 µg/l	1
toluene	5 µg/l	1
1,2 xylene	5 µg/l	1
1,3 xylene	5 µg/l	1
1,4 xylene	5 µg/l	1
acenaphthene	10 µg/l	1
acenaphthylene	10 µg/l	1
anthracene	10 µg/l	1
benzo(a)anthracene	10 µg/l	1
benzo(a)pyrene	0.090 µg/l	1,2
benzo(b)fluoranthene	0.070 µg/l	1,2
benzo(g,h,i)perylene	10 µg/l	1
benzo(k)fluoranthene	0.020 µg/l	1,2
pyrene	10 µg/l	1
chrysene	0.60 µg/l	1,2
fluoranthene	10 µg/l	1
indeno(1,2,3-cd)pyrene	0.20 µg/l	1,2
naphthalene	10 µg/l	1
phenanthrene	10 µg/l	1
dibenzo(a,h)anthracene	10 µg/l	1
fluorene	10 µg/l	1

Parameter	Discharge limitations (3)	Notes	
cyanide, amenable to chlorination	60 µg/l	1,2	
phenolics, total	8.0 µg/l	1,2	must use EPA Methods 420.1 or 420.2
barium, total		1	monitor only
cadmium, total		1	monitor only
chromium, total		1	monitor only
copper, total		1	monitor only
iron, total		1	monitor only
lead, total		1	monitor only
manganese, total		1	monitor only
nickel, total		1	monitor only
zinc, total		1	monitor only

Notes:

1: grab sample, minimum of once per week

2: Discharge limit is set at the practical quantitation limit. Actual surface water effluent standard/limitation is below this limit.

3: To confirm treatment efficacy, the first batch of treated water shall be containerized and sampled to show compliance with the requirements above. Following this compliance evaluation, monitoring will be performed at the frequency identified above.

Additional Conditions:

A. All monitoring data, engineering submissions and modification requests must be submitted to:

John Spellman, P.E.
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway
Albany, NY 12233-7014

B. Only site generated wastewater is authorized for treatment and discharge

mg/l = milligrams per liter
µg/l = micrograms per liter

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

Work Order: RSA0081

SDG Number:

Work Order Description:

For:

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Paul K Morrow

Paul Morrow
Project Manager
Paul.Morrow@testamericainc.com

Friday, January 30, 2009

The test results in this report meet all NELAP requirments for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Persuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the Element Project manager who has signed this report.

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110
Scott Underhill

Work Order:	RSA0081	Received:	01/07/09
		Reported:	01/30/09 12:51
Project:	Mechanicsville Discharge Analysis		
Project Number:	[none]		

Case Narrative

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report.

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TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Earth Tech, Inc. - Latham, NY	Work Order:	RSA0081	Received:	01/07/09
40 British American Blvd			Reported:	01/30/09 12:51
Latham, NY 12110	Project:	Mechanicsville Discharge Analysis		
Scott Underhill	Project Number:	[none]		

DATA QUALIFIERS AND DEFINITIONS

J	Estimated value. Analyte detected at a concentration less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
M1	The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110
Scott Underhill

Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSA0081-01 (BATCH 1 - Water)						**Sampled: 01/06/09 14:00**			**Recvd: 01/07/09 09:15**	
General Chemistry Parameters										
pH	**8.30**		NA	0.00	SU	1.00	01/07/09 21:41	RJK	9A09055	4500-H+ B
Total Metals by EPA 200 Series Methods										
Barium	**0.152**		0.00200	0.000280	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Copper	**0.00130**	J	0.0100	0.00126	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Iron	**0.118**		0.0500	0.0193	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Manganese	**0.314**		0.00300	0.000240	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Nickel	**0.00610**	J	0.0100	0.00103	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Zinc	**0.00608**	J	0.0100	0.00360	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Sample ID: RSA0081-02 (BATCH 2 - Water)						**Sampled: 01/06/09 15:30**			**Recvd: 01/07/09 09:15**	
General Chemistry Parameters										
pH	**8.80**		NA	0.00	SU	1.00	01/07/09 21:41	RJK	9A09055	4500-H+ B
Phenolics, Total Recoverable	**0.00780**	J	0.0100	0.00500	mg/L	1.00	01/08/09 10:45	KLD	9A08002	420.4
Total Metals by EPA 200 Series Methods										
Barium	**0.0902**		0.00200	0.000280	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Chromium	**0.000920**	J	0.00400	0.000880	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Copper	**0.00206**	J	0.0100	0.00126	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Iron	**0.0833**		0.0500	0.0193	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Manganese	**0.619**		0.00300	0.000240	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Nickel	**0.00427**	J	0.0100	0.00103	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Zinc	**0.00708**	J	0.0100	0.00360	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110
Scott Underhill

Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

Sample Summary

SAMPLE IDENTIFICATION	LAB NUMBER	Client Matrix	Date/Time Sampled	Date/Time Received
BATCH 1	RSA0081-01	Water	01/06/09 14:00	01/07/09 09:15
BATCH 2	RSA0081-02	Water	01/06/09 15:30	01/07/09 09:15
TRIP BLANK	RSA0081-03	Water	01/06/09	01/07/09 09:15

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110
Scott Underhill

Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSA0081-01 (BATCH 1 - Water)						**Sampled: 01/06/09 14:00**			**Recvd: 01/07/09 09:15**	
General Chemistry Parameters										
Cyanide, Amenable	ND		0.0100	0.00300	mg/L	1.00	01/09/09 10:37	JMM	9A07061	4500-CN G
pH	**8.30**		NA	0.00	SU	1.00	01/07/09 21:41	RJK	9A09055	4500-H+ B
Phenolics, Total Recoverable	ND		0.0100	0.00500	mg/L	1.00	01/08/09 10:45	KLD	9A08002	420.4
Total Suspended Solids	ND		4.00	4.00	mg/L	1.00	01/09/09 15:30	MDM	9A08037	2540D
Semivolatile Organics by GC/MS										
Acenaphthene	ND		4.7	0.11	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Acenaphthylene	ND		4.7	0.044	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Anthracene	ND		4.7	0.053	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Benzo[a]anthracene	ND		4.7	0.060	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Benzo[a]pyrene	ND		4.7	0.086	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Benzo[b]fluoranthene	ND		4.7	0.059	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Benzo[g,h,i]perylene	ND		4.7	0.074	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Benzo[k]fluoranthene	ND		4.7	0.062	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Chrysene	ND		4.7	0.26	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Dibenz[a,h]anthracene	ND		4.7	0.19	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Fluoranthene	ND		4.7	0.093	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Fluorene	ND		4.7	0.070	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Indeno[1,2,3-cd]pyrene	ND		4.7	0.14	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Naphthalene	ND		4.7	0.11	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Phenanthrene	ND		4.7	0.11	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Pyrene	ND		4.7	0.064	ug/L	1.00	01/09/09 16:25	BWM	9A07030	8270C
Surr: 2-Fluorobiphenyl (48-120%)	*57 %*						01/09/09 16:25	BWM	9A07030	8270C
Surr: Nitrobenzene-d5 (46-120%)	*57 %*						01/09/09 16:25	BWM	9A07030	8270C
Surr: p-Terphenyl-d14 (24-136%)	*47 %*						01/09/09 16:25	BWM	9A07030	8270C
Total Metals by EPA 200 Series Methods										
Barium	**0.152**		0.00200	0.000280	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Cadmium	ND		0.00100	0.000330	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Chromium	ND		0.00400	0.000880	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Copper	**0.00130**	J	0.0100	0.00126	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Iron	**0.118**		0.0500	0.0193	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Lead	ND		0.00600	0.00290	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Manganese	**0.314**		0.00300	0.000240	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Nickel	**0.00610**	J	0.0100	0.00103	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Zinc	**0.00608**	J	0.0100	0.00360	mg/L	1.00	01/08/09 17:24	AH	9A07038	200.7
Volatile Organic Compounds										
Benzene	ND		5.00	0.597	ug/L	1.00	01/10/09 08:00	TRB	9A08028	624
Ethylbenzene	ND		5.00	0.465	ug/L	1.00	01/10/09 08:00	TRB	9A08028	624
m-Xylene & p-Xylene	ND		10.0	1.08	ug/L	1.00	01/10/09 08:00	TRB	9A08028	624
o-Xylene	ND		5.00	0.428	ug/L	1.00	01/10/09 08:00	TRB	9A08028	624
Toluene	ND		5.00	0.454	ug/L	1.00	01/10/09 08:00	TRB	9A08028	624
Surr: 1,2-Dichloroethane-d4 (88-132%)	*102 %*						01/10/09 08:00	TRB	9A08028	624
Surr: 4-Bromofluorobenzene (78-122%)	*101 %*						01/10/09 08:00	TRB	9A08028	624
Surr: Toluene-d8 (87-110%)	*95 %*						01/10/09 08:00	TRB	9A08028	624

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110
Scott Underhill

Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSA0081-02 (BATCH 2 - Water)						**Sampled: 01/06/09 15:30**			**Recvd: 01/07/09 09:15**	
General Chemistry Parameters										
Cyanide, Amenable	ND		0.0100	0.00300	mg/L	1.00	01/09/09 10:37	JMM	9A07061	4500-CN G
pH	**8.80**		NA	0.00	SU	1.00	01/07/09 21:41	RJK	9A09055	4500-H+ B
Phenolics, Total Recoverable	**0.00780**	J	0.0100	0.00500	mg/L	1.00	01/08/09 10:45	KLD	9A08002	420.4
Total Suspended Solids	ND		4.00	4.00	mg/L	1.00	01/09/09 15:30	MDM	9A08037	2540D
Semivolatile Organics by GC/MS										
2-Methylnaphthalene	ND		4.7	0.077	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Acenaphthene	ND		4.7	0.11	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Acenaphthylene	ND		4.7	0.044	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Anthracene	ND		4.7	0.053	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Benzo[a]anthracene	ND		4.7	0.060	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Benzo[a]pyrene	ND		4.7	0.086	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Benzo[b]fluoranthene	ND		4.7	0.059	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Benzo[g,h,i]perylene	ND		4.7	0.074	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Benzo[k]fluoranthene	ND		4.7	0.062	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Chrysene	ND		4.7	0.26	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Dibenz[a,h]anthracene	ND		4.7	0.19	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Fluoranthene	ND		4.7	0.093	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Fluorene	ND		4.7	0.070	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Indeno[1,2,3-cd]pyrene	ND		4.7	0.14	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Naphthalene	ND		4.7	0.11	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Phenanthrene	ND		4.7	0.11	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Pyrene	ND		4.7	0.064	ug/L	1.00	01/09/09 16:44	BWM	9A07030	8270C
Surr: 2-Fluorobiphenyl (48-120%)	*59 %*						01/09/09 16:44	BWM	9A07030	8270C
Surr: Nitrobenzene-d5 (46-120%)	*58 %*						01/09/09 16:44	BWM	9A07030	8270C
Surr: p-Terphenyl-d14 (24-136%)	*48 %*						01/09/09 16:44	BWM	9A07030	8270C
Total Metals by EPA 200 Series Methods										
Barium	**0.0902**		0.00200	0.000280	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Cadmium	ND		0.00100	0.000330	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Chromium	**0.000920**	J	0.00400	0.000880	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Copper	**0.00206**	J	0.0100	0.00126	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Iron	**0.0833**		0.0500	0.0193	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Lead	ND		0.00600	0.00290	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Manganese	**0.619**		0.00300	0.000240	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Nickel	**0.00427**	J	0.0100	0.00103	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Zinc	**0.00708**	J	0.0100	0.00360	mg/L	1.00	01/08/09 17:29	AH	9A07038	200.7
Volatile Organic Compounds										
Benzene	ND		5.00	0.597	ug/L	1.00	01/10/09 08:26	TRB	9A08028	624
Ethylbenzene	ND		5.00	0.465	ug/L	1.00	01/10/09 08:26	TRB	9A08028	624
m-Xylene & p-Xylene	ND		10.0	1.08	ug/L	1.00	01/10/09 08:26	TRB	9A08028	624
o-Xylene	ND		5.00	0.428	ug/L	1.00	01/10/09 08:26	TRB	9A08028	624
Toluene	ND		5.00	0.454	ug/L	1.00	01/10/09 08:26	TRB	9A08028	624
Surr: 1,2-Dichloroethane-d4 (88-132%)	*104 %*						01/10/09 08:26	TRB	9A08028	624
Surr: 4-Bromofluorobenzene (78-122%)	*102 %*						01/10/09 08:26	TRB	9A08028	624
Surr: Toluene-d8 (87-110%)	*94 %*						01/10/09 08:26	TRB	9A08028	624

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110
Scott Underhill

Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSA0081-03 (TRIP BLANK - Water)						**Sampled: 01/06/09**				**Recvd: 01/07/09 09:15**
Volatile Organic Compounds										
Benzene	ND		5.00	0.597	ug/L	1.00	01/10/09 08:53	TRB	9A08028	624
Ethylbenzene	ND		5.00	0.465	ug/L	1.00	01/10/09 08:53	TRB	9A08028	624
m-Xylene & p-Xylene	ND		10.0	1.08	ug/L	1.00	01/10/09 08:53	TRB	9A08028	624
o-Xylene	ND		5.00	0.428	ug/L	1.00	01/10/09 08:53	TRB	9A08028	624
Toluene	ND		5.00	0.454	ug/L	1.00	01/10/09 08:53	TRB	9A08028	624
Surr: 1,2-Dichloroethane-d4 (88-132%)	*100 %*						01/10/09 08:53	TRB	9A08028	624
Surr: 4-Bromofluorobenzene (78-122%)	*100 %*						01/10/09 08:53	TRB	9A08028	624
Surr: Toluene-d8 (87-110%)	*93 %*						01/10/09 08:53	TRB	9A08028	624

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110
Scott Underhill

Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Volume	Date	Analyst	Extraction Method
General Chemistry Parameters							
2540D	9A08037	RSA0081-01	100	100	01/09/09 15:30	MDM	Solids
2540D	9A08037	RSA0081-02	100	100	01/09/09 15:30	MDM	Solids
420.4	9A08002	RSA0081-01	50	50	01/07/09 15:00	JWK	TRP Distillation
420.4	9A08002	RSA0081-02	50	50	01/07/09 15:00	JWK	TRP Distillation
4500-CN G	9A07061	RSA0081-01	50	50	01/07/09 23:14	JFR	Cn Digestion
4500-CN G	9A07061	RSA0081-02	50	50	01/07/09 23:14	JFR	Cn Digestion
4500-H+ B	9A09055	RSA0081-01	1	1	01/07/09 21:41	RJK	pH
4500-H+ B	9A09055	RSA0081-02	1	1	01/07/09 21:41	RJK	pH
Semivolatile Organics by GC/MS							
8270C	9A07030	RSA0081-01	1060	1	01/07/09 13:47	JB	3510C MB
8270C	9A07030	RSA0081-02	1060	1	01/07/09 13:47	JB	3510C MB
Total Metals by EPA 200 Series Methods							
200.7	9A07038	RSA0081-01	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-01	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-01	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-01	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-01	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-01	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-01	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-01	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-01	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-02	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-02	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-02	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-02	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-02	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-02	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-02	50	50	01/08/09 08:00	MLD	3005A
200.7	9A07038	RSA0081-02	50	50	01/08/09 08:00	MLD	3005A
Volatile Organic Compounds							
624	9A08028	RSA0081-01	5	5	01/08/09 14:52	TRB	5030B MS
624	9A08028	RSA0081-02	5	5	01/08/09 14:52	TRB	5030B MS
624	9A08028	RSA0081-03	5	5	01/08/09 14:52	TRB	5030B MS

Earth Tech, Inc. - Latham, NY
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Latham, NY 12110
Scott Underhill

Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Spike Level	MRL	MDL	Units	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters													
Cyanide, Amenable	9A07061		0.0100	0.00300	mg/L	ND							
Phenolics, Total Recoverable	9A08002		0.0100	0.00500	mg/L	0.00830							J
Total Suspended Solids	9A08037		4.00	4.00	mg/L	ND							
Semivolatile Organics by GC/MS													
Acenaphthene	9A07030		5.0	0.11	ug/L	ND							
Acenaphthylene	9A07030		5.0	0.047	ug/L	ND							
Anthracene	9A07030		5.0	0.056	ug/L	ND							
Benzo[a]anthracene	9A07030		5.0	0.064	ug/L	ND							
Benzo[a]pyrene	9A07030		5.0	0.091	ug/L	ND							
Benzo[b]fluoranthene	9A07030		5.0	0.063	ug/L	ND							
Benzo[g,h,i]perylene	9A07030		5.0	0.078	ug/L	ND							
Benzo[k]fluoranthene	9A07030		5.0	0.066	ug/L	ND							
Chrysene	9A07030		5.0	0.27	ug/L	ND							
Dibenz[a,h]anthracene	9A07030		5.0	0.20	ug/L	ND							
Fluoranthene	9A07030		5.0	0.098	ug/L	ND							
Fluorene	9A07030		5.0	0.074	ug/L	ND							
Indeno[1,2,3-cd]pyrene	9A07030		5.0	0.15	ug/L	ND							
Naphthalene	9A07030		5.0	0.12	ug/L	ND							
Phenanthrene	9A07030		5.0	0.11	ug/L	ND							
Pyrene	9A07030		5.0	0.068	ug/L	ND							
Surrogate: 2-Fluorobiphenyl	*9A07030*				ug/L			*53*		*48-120*			
Surrogate: Nitrobenzene-d5	*9A07030*				ug/L			*58*		*46-120*			
Surrogate: p-Terphenyl-d14	*9A07030*				ug/L			*62*		*24-136*			
Total Metals by EPA 200 Series Methods													
Barium	9A07038		0.00200	0.000280	mg/L	ND							
Cadmium	9A07038		0.00100	0.000330	mg/L	ND							
Chromium	9A07038		0.00400	0.000880	mg/L	ND							
Copper	9A07038		0.0100	0.00126	mg/L	ND							
Iron	9A07038		0.0500	0.0193	mg/L	ND							
Lead	9A07038		0.00600	0.00290	mg/L	ND							
Manganese	9A07038		0.00300	0.000240	mg/L	ND							
Nickel	9A07038		0.0100	0.00103	mg/L	ND							
Zinc	9A07038		0.0100	0.00360	mg/L	ND							
Volatile Organic Compounds													
Benzene	9A08028		5.00	0.597	ug/L	ND							
Ethylbenzene	9A08028		5.00	0.465	ug/L	ND							
m-Xylene & p-Xylene	9A08028		10.0	1.08	ug/L	ND							
o-Xylene	9A08028		5.00	0.428	ug/L	ND							
Toluene	9A08028		5.00	0.454	ug/L	ND							
Surrogate: 1,2-Dichloroethane-d4	*9A08028*				ug/L			*102*		*88-132*			
Surrogate: 4-Bromofluorobenzene	*9A08028*				ug/L			*99*		*78-122*			
Surrogate: Toluene-d8	*9A08028*				ug/L			*98*		*87-110*			
1,4-Dichlorobenzene-d4	9A08028	30.0	N/A	N/A	ug/L	30.0		101		0-200			
1,4-Difluorobenzene	9A08028	30.0	N/A	N/A	ug/L	30.0		98		0-200			
Chlorobenzene-d5	9A08028	30.0	N/A	N/A	ug/L	30.0		102		0-200			

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110
Scott Underhill

Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

LABORATORY DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters													
QC Source Sample: RSA0057-01													
Cyanide, Amenable	9A07061	ND		0.0100	0.00300	mg/L	ND					15	
QC Source Sample: RSA0081-02													
Phenolics, Total Recoverable	9A08002	0.00780		0.0100	0.00500	mg/L	0.00660				17	20	J
QC Source Sample: RSA0138-01													
Total Suspended Solids	9A08037	ND		4.00	4.00	mg/L	ND					200	
QC Source Sample: RSA0115-06													
pH	9A09055	7.84		N/A	0.00	SU	7.80				1	200	

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Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Spike Level	MRL	MDL	Units	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters													
Cyanide, Amenable	9A07061	0.400	0.0100	0.00300	mg/L	0.368		92		90-110		15	
Phenolics, Total Recoverable	9A08002	0.515	0.0500	0.0250	mg/L	0.503		98		75-125			
pH	9A09055	7.00	N/A	N/A	SU	6.99		100		99.3-100.7			
Semivolatile Organics by GC/MS													
Acenaphthene	9A07030	50.0	5.0	0.11	ug/L	48.1	47.0	96	94	60-120	2	24	
Acenaphthylene	9A07030	50.0	5.0	0.047	ug/L	51.6	49.3	103	99	63-120	5	18	
Anthracene	9A07030	50.0	5.0	0.056	ug/L	50.3	47.4	101	95	69-131	6	15	
Benzo[a]anthracene	9A07030	50.0	5.0	0.064	ug/L	46.6	44.4	93	89	73-138	5	15	
Benzo[a]pyrene	9A07030	50.0	5.0	0.091	ug/L	42.0	41.3	84	83	74-126	2	15	
Benzo[b]fluoranthene	9A07030	50.0	5.0	0.063	ug/L	46.1	44.9	92	90	75-133	3	15	
Benzo[g,h,i]perylene	9A07030	50.0	5.0	0.078	ug/L	38.3	38.7	77	77	66-152	1	15	
Benzo[k]fluoranthene	9A07030	50.0	5.0	0.066	ug/L	41.2	40.3	82	81	66-134	2	22	
Chrysene	9A07030	50.0	5.0	0.27	ug/L	46.2	45.0	92	90	69-140	3	15	
Dibenz[a,h]anthracene	9A07030	50.0	5.0	0.20	ug/L	39.7	39.4	79	79	67-144	1	15	
Fluoranthene	9A07030	50.0	5.0	0.098	ug/L	51.6	49.6	103	99	67-133	4	15	
Fluorene	9A07030	50.0	5.0	0.074	ug/L	50.4	48.1	101	96	66-129	5	15	
Indeno[1,2,3-cd]pyrene	9A07030	50.0	5.0	0.15	ug/L	45.5	45.3	91	91	69-146	1	15	
Naphthalene	9A07030	50.0	5.0	0.12	ug/L	44.0	41.4	88	83	48-120	6	29	
Phenanthrene	9A07030	50.0	5.0	0.11	ug/L	51.7	49.3	103	99	67-130	5	15	
Pyrene	9A07030	50.0	5.0	0.068	ug/L	43.4	41.0	87	82	58-136	6	25	
Surrogate: 2-Fluorobiphenyl	*9A07030*				ug/L			*66*	*65*	*48-120*			
Surrogate: Nitrobenzene-d5	*9A07030*				ug/L			*69*	*65*	*46-120*			
Surrogate: p-Terphenyl-d14	*9A07030*				ug/L			*50*	*47*	*24-136*			
Total Metals by EPA 200 Series Methods													
Barium	9A07038	0.200	0.00200	0.000280	mg/L	0.197		98		85-115			
Cadmium	9A07038	0.200	0.00100	0.000330	mg/L	0.192		96		85-115			
Chromium	9A07038	0.200	0.00400	0.000880	mg/L	0.192		96		85-115			
Copper	9A07038	0.200	0.0100	0.00126	mg/L	0.190		95		85-115			
Iron	9A07038	10.0	0.0500	0.0193	mg/L	9.64		96		85-115			
Lead	9A07038	0.200	0.00600	0.00290	mg/L	0.193		96		85-115			
Manganese	9A07038	0.200	0.00300	0.000240	mg/L	0.190		95		85-115			
Nickel	9A07038	0.200	0.0100	0.00103	mg/L	0.192		96		85-115			
Zinc	9A07038	0.200	0.0100	0.00360	mg/L	0.192		96		85-115			
Volatile Organic Compounds													
Benzene	9A08028	20.0	N/A	N/A	ug/L	19.9		99		64-136		15	
Ethylbenzene	9A08028	20.0	N/A	N/A	ug/L	19.4		97		59-141		15	
Toluene	9A08028	20.0	N/A	N/A	ug/L	18.9		94		74.5-125.5		15	
Surrogate: 1,2-Dichloroethane-d4	*9A08028*				ug/L			*101*		*88-132*			
Surrogate: 4-Bromofluorobenzene	*9A08028*				ug/L			*99*		*78-122*			
Surrogate: Toluene-d8	*9A08028*				ug/L			*98*		*87-110*			
1,4-Dichlorobenzene-d4	9A08028	30.0	N/A	N/A	ug/L	30.0		102		0-200			
1,4-Difluorobenzene	9A08028	30.0	N/A	N/A	ug/L	30.0		99		0-200			
Chlorobenzene-d5	9A08028	30.0	N/A	N/A	ug/L	30.0		102		0-200			

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110
Scott Underhill

Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters														
QC Source Sample: RSA0080-01														
Cyanide, Amenable	9A07061	ND	0.100	0.0100	0.00300	mg/L	0.0708		71		85-115		15	M8
QC Source Sample: RSA0081-02														
Phenolics, Total Recoverable	9A08002	0.00780	0.100	0.0100	0.00500	mg/L	0.104		96		60-143			
Total Metals by EPA 200 Series Methods														
QC Source Sample: RSA0075-01														
Barium	9A07038	0.0170	0.200	0.00200	0.000280	mg/L	0.214	0.217	99	100	70-130	1	20	
Cadmium	9A07038	ND	0.200	0.00100	0.000330	mg/L	0.194	0.195	97	97	70-130	0	20	
Chromium	9A07038	ND	0.200	0.00400	0.000880	mg/L	0.195	0.196	98	98	70-130	0	20	
Copper	9A07038	ND	0.200	0.0100	0.00126	mg/L	0.196	0.198	98	99	70-130	1	20	
Iron	9A07038	1.43	10.0	0.0500	0.0193	mg/L	11.2	11.3	98	99	70-130	1	20	
Lead	9A07038	ND	0.200	0.00600	0.00290	mg/L	0.195	0.194	98	97	70-130	1	20	
Manganese	9A07038	0.0122	0.200	0.00300	0.000240	mg/L	0.206	0.207	97	98	70-130	1	20	
Nickel	9A07038	ND	0.200	0.0100	0.00103	mg/L	0.194	0.195	97	98	70-130	1	20	
Zinc	9A07038	ND	0.200	0.0100	0.00360	mg/L	0.194	0.195	97	98	70-130	0	20	
QC Source Sample: RSA0075-09														
Barium	9A07038	0.0410	0.200	0.00200	0.000280	mg/L	0.227	0.230	93	95	70-130	1	20	
Cadmium	9A07038	ND	0.200	0.00100	0.000330	mg/L	0.195	0.194	98	97	70-130	1	20	
Chromium	9A07038	0.00543	0.200	0.00400	0.000880	mg/L	0.197	0.196	96	95	70-130	1	20	
Copper	9A07038	ND	0.200	0.0100	0.00126	mg/L	0.197	0.195	99	97	70-130	1	20	
Iron	9A07038	7.57	10.0	0.0500	0.0193	mg/L	11.4	11.3	38	37	70-130	1	20	M1
Lead	9A07038	ND	0.200	0.00600	0.00290	mg/L	0.196	0.195	98	98	70-130	0	20	
Manganese	9A07038	0.0549	0.200	0.00300	0.000240	mg/L	0.207	0.206	76	76	70-130	1	20	
Nickel	9A07038	ND	0.200	0.0100	0.00103	mg/L	0.196	0.194	98	97	70-130	1	20	
Zinc	9A07038	0.00744	0.200	0.0100	0.00360	mg/L	0.201	0.194	97	93	70-130	4	20	
Volatile Organic Compounds														
QC Source Sample: RSA0036-03														
Benzene	9A08028	0.574	20.0	N/A	N/A	ug/L	22.0	23.0	107	112	64-136	4	15	
Ethylbenzene	9A08028	ND	20.0	N/A	N/A	ug/L	20.4	21.0	102	105	59-141	3	15	
Toluene	9A08028	ND	20.0	N/A	N/A	ug/L	20.2	20.6	101	103	74.5-125.5	2	15	
Surrogate: 1,2-Dichloroethane-d4	*9A08028*					ug/L			*100*	*102*	*88-132*			
Surrogate: 4-Bromofluorobenzene	*9A08028*					ug/L			*98*	*98*	*78-122*			
Surrogate: Toluene-d8	*9A08028*					ug/L			*98*	*96*	*87-110*			
1,4-Dichlorobenzene-d4	9A08028		30.0	N/A	N/A	ug/L	30.0	30.0	106	108	0-200			
1,4-Difluorobenzene	9A08028		30.0	N/A	N/A	ug/L	30.0	30.0	100	101	0-200			
Chlorobenzene-d5	9A08028		30.0	N/A	N/A	ug/L	30.0	30.0	105	107	0-200			
QC Source Sample: RSA0183-01														
Benzene	9A08028	ND	50.0	N/A	N/A	ug/L	58.0	61.1	116	122	64-136	5	15	
Ethylbenzene	9A08028	ND	50.0	N/A	N/A	ug/L	53.1	57.1	106	114	59-141	7	15	
Toluene	9A08028	ND	50.0	N/A	N/A	ug/L	52.0	56.8	104	114	74.5-125.5	9	15	
Surrogate: 1,2-Dichloroethane-d4	*9A08028*					ug/L			*103*	*100*	*88-132*			
Surrogate: 4-Bromofluorobenzene	*9A08028*					ug/L			*102*	*102*	*78-122*			
Surrogate: Toluene-d8	*9A08028*					ug/L			*95*	*95*	*87-110*			
1,4-Dichlorobenzene-d4	9A08028		30.0	N/A	N/A	ug/L	30.0	30.0	116	117	0-200			
1,4-Difluorobenzene	9A08028		30.0	N/A	N/A	ug/L	30.0	30.0	100	101	0-200			
Chlorobenzene-d5	9A08028		30.0	N/A	N/A	ug/L	30.0	30.0	111	110	0-200			

Earth Tech, Inc. - Latham, NY	Work Order:	RSA0081	Received:	01/07/09
40 British American Blvd			Reported:	01/30/09 12:51
Latham, NY 12110	Project:	Mechanicsville Discharge Analysis		
Scott Underhill	Project Number:	[none]		

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110
Scott Underhill

Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

POST SPIKE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Total Metals by EPA 200 Series Methods														
QC Source Sample: RSA0075-01														
Barium	9A07038	0.0170	0.200	N/A	N/A	mg/L	0.214		98		75-125			
Cadmium	9A07038	0.0000400	0.200	N/A	N/A	mg/L	0.194		97		75-125			
Chromium	9A07038	0.000720	0.200	N/A	N/A	mg/L	0.195		97		75-125			
Copper	9A07038	0.000170	0.200	N/A	N/A	mg/L	0.195		97		75-125			
Iron	9A07038	1.43	10.0	N/A	N/A	mg/L	11.2		97		75-125			
Lead	9A07038	0.00190	0.200	N/A	N/A	mg/L	0.193		96		75-125			
Manganese	9A07038	0.0122	0.200	N/A	N/A	mg/L	0.208		98		75-125			
Nickel	9A07038	0.000210	0.200	N/A	N/A	mg/L	0.193		97		75-125			
Zinc	9A07038	0.00261	0.200	N/A	N/A	mg/L	0.195		96		75-125			

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Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

SERIAL DILUTION QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
Total Metals by EPA 200 Series Methods														
Barium	RA91408			0.0100	0.00140	mg/L	0.694						20	
Cadmium	RA91408			0.00500	0.00165	mg/L	ND						20	
Chromium	RA91408			0.0200	0.00440	mg/L	ND						20	
Copper	RA91408			0.0500	0.00630	mg/L	ND						20	
Iron	RA91408			0.250	0.0965	mg/L	15.9						20	
Lead	RA91408			0.0300	0.0145	mg/L	ND						20	
Manganese	RA91408			0.0150	0.00120	mg/L	1.70						20	
Nickel	RA91408			0.0500	0.00515	mg/L	0.0168						20	
Zinc	RA91408			0.0500	0.0180	mg/L	0.0706						20	
Barium	RA91408			0.0100	0.00140	mg/L	0.0168						20	
Cadmium	RA91408			0.00500	0.00165	mg/L	ND						20	
Chromium	RA91408			0.0200	0.00440	mg/L	ND						20	
Copper	RA91408			0.0500	0.00630	mg/L	ND						20	
Iron	RA91408			0.250	0.0965	mg/L	1.44						20	
Lead	RA91408			0.0300	0.0145	mg/L	ND						20	
Manganese	RA91408			0.0150	0.00120	mg/L	0.0123						20	
Nickel	RA91408			0.0500	0.00515	mg/L	ND						20	
Zinc	RA91408			0.0500	0.0180	mg/L	ND						20	
Barium	RA91408			0.0100	0.00140	mg/L	0.0499						20	
Cadmium	RA91408			0.00500	0.00165	mg/L	0.00470						20	
Chromium	RA91408			0.0200	0.00440	mg/L	ND						20	
Copper	RA91408			0.0500	0.00630	mg/L	ND						20	
Iron	RA91408			0.250	0.0965	mg/L	ND						20	
Lead	RA91408			0.0300	0.0145	mg/L	ND						20	
Manganese	RA91408			0.0150	0.00120	mg/L	0.149						20	
Nickel	RA91408			0.0500	0.00515	mg/L	ND						20	
Zinc	RA91408			0.0500	0.0180	mg/L	0.0290						20	

Earth Tech, Inc. - Latham, NY
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Latham, NY 12110
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Work Order: RSA0081
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/07/09
Reported: 01/30/09 12:51

TestAmerica Buffalo
Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412 08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998103900
West Virginia	CWA,RCRA	252

*As requiredunder the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: NYSEG	Project Manager: Tracy Blazicek	Date:	Chain of Custody Number: 111491
Address:	Telephone Number (Area Code)/Fax Number: 607-762-8839	Lab Number:	Page _____ of _____
City:	State:	Zip Code:	Site Contact: 518-428-4383 Matthew Thorpe / Lab Contact:
Project Name and Location (State): Mechanicville MGP, N.Y.	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8270	Special Instructions/ Conditions of Receipt
MCFTWWNA 001	01/06/09	1400		X									X	Waste Water batch 1 10K gal
MCFTWWNA002	01/06/09	14:00		X									X	
MCFTWWNA 003	01/06/09	14:00		X				X						
MCFTWWNA 004	01/06/09	14:00		X					X		X			
MCFTWWNA 005	01/06/09	14:00		X						X				
MCFTWWNA 006	01/06/09	14:00		X						X				
MCFTWWNA 007	01/06/09	14:00		X							X			
MCFTWWNA 008	01/06/09	14:06		X									X	
MCFTWWNA 009	01/06/09	15:30		X									X	Waste Water Batch 2 10K gal
MCFTWWNA 010	01/06/09	15:30		X									X	
MCFTWWNA 011	01/06/09	15:30		X				X						
MCFTWWNA 012	01/06/09	15:30		X					X					

Analysis (Attach list if more space is needed)

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: Matthew Thorpe	Date: 01/06/09	Time: 17:55	1. Received By:	Date: 1/7/09	Time: 0915
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: 20°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: NYSEG	Project Manager: Tracy Blazicek	Date:	Chain of Custody Number: 111492
Address:	Telephone Number (Area Code)/Fax Number: 607-762-8839	Lab Number:	Page _____ of _____
City:	State:	Zip Code:	Site Contact: Matthew Thorpe 516-428-4383
Lab Contact:	Project Name and Location (State): Mechanicville MGP, NY	Carrier/Waybill Number:	
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	2 1/2
MCFT WW NA 013	01/06/09	15:30		X						X			
MCFT WW NA 014	01/06/09	15:30		X						X			
MCFT WW NA 015	01/06/09	15:30		X							X		
MCFT WW NA 016	01/06/09	15:30		X					X				X

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt: Waste Water Batch 2 ↓ 10K gal

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: [signature]	Date: 01/06/09	Time: 17:55	1. Received By: [signature]	Date: 1/7/09	Time: 0915
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 2.0°

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

JAN 14 2009
EARTH TECH-ALBANY

January 13, 2009

Scott Underhill
Earth Tech
40 British American Boulevard
Latham, NY 12110

TEL: (518) 951-2200
FAX: (518) 951-2300

Work Order No: 090113021

RE:

Dear Scott Underhill:

Adirondack Environmental Services, Inc received 1 sample on 1/13/2009 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Christopher Hess
QA Manager

ELAP#: 10709
AIHA#: 100307

Scott Underhill - FAX

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quanititation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	T - Tentitively Identified Compound-Estimated Conc.
	X - Value exceeds Maximum Contaminant Level	E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *13-Jan-09*

CLIENT:	Earth Tech	**Client Sample ID:**	MCFTWWNA 016
Work Order:	090113021	**Collection Date:**	1/13/2009 11:00:00 AM
Reference:	/	**Lab Sample ID:**	090113021-001
PO#:		**Matrix:**	WATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
PH E150.1						Analyst: **SH**
pH	7.9	1.0	H	pH Units	1	1/13/2009 12:00:00 PM

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quanititation limits
- B - Analyte detected in the associated Method Blank
- X - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- T - Tentitively Identified Compound-Estimated Conc.
- E - Value above quantitation range

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

AES Work Order # 0901130 21

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

Client Name:	Address:	
EARTH TECH/AECOM		
Send Report To: Scott Underhill	Project Name (Location)	Samplers: (Names)
Client Phone No:	Client Fax No:	PO Number:	Samplers: (Signature)

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.		Sample Type Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	MCFTWW NA 016	1/13/09	11:00	(A) P	W				ph
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					
				A P					

Shipment Arrived Via:

FedEx UPS Client AES Other:_____

Turnaround Time Request:

☐ 1 Day ☐ 3 Day ☐ Normal
☐ 2 Day ☐ 5 Day ASAP

CC Report To / Special Instructions/Remarks:

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Roger Gray		
Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time
	J. Michaels	1/13/08 11:59 AM

TEMPERATURE	PROPERLY PRESERVED	RECEIVED WITHIN HOLDING TIMES
Ambient or (Chilled)	(Y) N	(Y) N
Notes: 10	Notes:	Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc**. are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by credit card are subject to a 3% additional charge.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

Work Order: RSA0613

SDG Number:

Work Order Description:

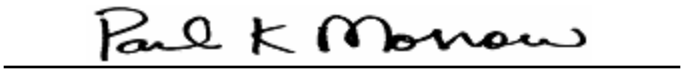
For:

Scott Underhill

Earth Tech, Inc. - Latham, NY

40 British American Blvd

Latham, NY 12110



Paul Morrow

Project Manager

Paul.Morrow@testamericainc.com

Wednesday, February 4, 2009

The test results in this report meet all NELAP requirments for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Persuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

TestAmerica Buffalo
Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As requiredunder the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order:	RSA0613	Received:	01/21/09
		Reported:	02/04/09 16:21
Project:	Mechanicsville Discharge Analysis		
Project Number:	[none]		

Case Narrative

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

DATA QUALIFIERS AND DEFINITIONS

H9	Sample analysis performed past the EPA recommended holding time.
J	Estimated value. Analyte detected at a concentration less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of limited reliability.
L4	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.
R	The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
R2	The RPD exceeded the acceptance limit.
Z6	Surrogate recovery was below acceptance limits.

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSA0613-01 (MCFTWWNA017 - Water)						**Sampled: 01/19/09 14:20**			**Recvd: 01/21/09 09:00**	
General Chemistry Parameters										
pH	**7.90**	H9	NA	0.00	SU	1.00	01/21/09 20:30	RLG	9A21082	4500-H+ B
Semivolatile Organics by GC/MS										
Acenaphthene	**0.18**	J	4.7	0.11	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Acenaphthylene	**0.27**	R, J	4.7	0.045	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Anthracene	**0.29**	J	4.7	0.053	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Benzo[a]anthracene	**0.86**	J	4.7	0.061	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Benzo[a]pyrene	**1.7**	J	4.7	0.086	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Benzo[b]fluoranthene	**0.45**	J	4.7	0.060	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Benzo[g,h,i]perylene	**0.34**	J	4.7	0.074	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Benzo[k]fluoranthene	**0.18**	J	4.7	0.063	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Chrysene	**0.59**	J	4.7	0.26	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Fluoranthene	**0.99**	J	4.7	0.093	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Fluorene	**0.15**	J	4.7	0.070	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Indeno[1,2,3-cd]pyrene	**0.25**	J	4.7	0.15	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Phenanthrene	**0.45**	J	4.7	0.11	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Pyrene	**1.7**	J	4.7	0.065	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Total Metals by EPA 200 Series Methods										
Barium	**0.0789**		0.00200	0.000280	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Copper	**0.00379**	J	0.0100	0.00126	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Iron	**0.626**		0.0500	0.0193	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Manganese	**0.920**		0.00300	0.000240	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Nickel	**0.00576**	J	0.0100	0.00103	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Zinc	**0.00892**	J	0.0100	0.00360	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

Sample Summary

SAMPLE IDENTIFICATION	LAB NUMBER	Client Matrix	Date/Time Sampled	Date/Time Received
MCFTWWNA017	RSA0613-01	Water	01/19/09 14:20	01/21/09 09:00
TRIP BLANK	RSA0613-02	Water	01/19/09	01/21/09 09:00

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSA0613-01 (MCFTWWNA017 - Water)						**Sampled: 01/19/09 14:20**			**Recvd: 01/21/09 09:00**	
General Chemistry Parameters										
Cyanide, Amenable	ND		0.0100	0.00300	mg/L	1.00	01/23/09 10:40	jmm	9A22099	4500-CN G
pH	**7.90**	H9	NA	0.00	SU	1.00	01/21/09 20:30	RLG	9A21082	4500-H+ B
Phenolics, Total Recoverable	ND		0.0100	0.00500	mg/L	1.00	01/22/09 22:20	RLG	9A21075	420.4
Total Suspended Solids	ND		4.00	4.00	mg/L	1.00	01/22/09 12:10	JME	9A22039	2540D
Semivolatile Organics by GC/MS										
Acenaphthene	**0.18**	J	4.7	0.11	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Acenaphthylene	**0.27**	R, J	4.7	0.045	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Anthracene	**0.29**	J	4.7	0.053	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Benzo[a]anthracene	**0.86**	J	4.7	0.061	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Benzo[a]pyrene	**1.7**	J	4.7	0.086	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Benzo[b]fluoranthene	**0.45**	J	4.7	0.060	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Benzo[g,h,i]perylene	**0.34**	J	4.7	0.074	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Benzo[k]fluoranthene	**0.18**	J	4.7	0.063	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Chrysene	**0.59**	J	4.7	0.26	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Dibenz[a,h]anthracene	ND		4.7	0.19	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Fluoranthene	**0.99**	J	4.7	0.093	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Fluorene	**0.15**	J	4.7	0.070	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Indeno[1,2,3-cd]pyrene	**0.25**	J	4.7	0.15	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Naphthalene	ND	L4, R2	4.7	0.11	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Phenanthrene	**0.45**	J	4.7	0.11	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Pyrene	**1.7**	J	4.7	0.065	ug/L	1.00	01/28/09 05:19	JLG	9A21081	8270C
Surr: 2-Fluorobiphenyl (48-120%)	*46 %*	*Z6*					01/28/09 05:19	JLG	9A21081	8270C
Surr: Nitrobenzene-d5 (46-120%)	*48 %*						01/28/09 05:19	JLG	9A21081	8270C
Surr: p-Terphenyl-d14 (24-136%)	*42 %*						01/28/09 05:19	JLG	9A21081	8270C
Total Metals by EPA 200 Series Methods										
Barium	**0.0789**		0.00200	0.000280	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Cadmium	ND		0.00100	0.000330	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Chromium	ND		0.00400	0.000880	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Copper	**0.00379**	J	0.0100	0.00126	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Iron	**0.626**		0.0500	0.0193	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Lead	ND		0.00600	0.00290	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Manganese	**0.920**		0.00300	0.000240	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Nickel	**0.00576**	J	0.0100	0.00103	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Zinc	**0.00892**	J	0.0100	0.00360	mg/L	1.00	01/24/09 08:46	TWS	9A21064	200.7
Volatile Organic Compounds										
Benzene	ND		5.00	0.597	ug/L	1.00	01/29/09 03:49	TRB	9A28078	624
Ethylbenzene	ND		5.00	0.465	ug/L	1.00	01/29/09 03:49	TRB	9A28078	624
m-Xylene & p-Xylene	ND		10.0	1.08	ug/L	1.00	01/29/09 03:49	TRB	9A28078	624
o-Xylene	ND		5.00	0.428	ug/L	1.00	01/29/09 03:49	TRB	9A28078	624
Toluene	ND		5.00	0.454	ug/L	1.00	01/29/09 03:49	TRB	9A28078	624
Surr: 1,2-Dichloroethane-d4 (88-132%)	*101 %*						01/29/09 03:49	TRB	9A28078	624
Surr: 4-Bromofluorobenzene (78-122%)	*99 %*						01/29/09 03:49	TRB	9A28078	624
Surr: Toluene-d8 (87-110%)	*102 %*						01/29/09 03:49	TRB	9A28078	624

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSA0613-02 (TRIP BLANK - Water)						**Sampled: 01/19/09**				**Recvd: 01/21/09 09:00**
Volatile Organic Compounds										
Benzene	ND		5.00	0.597	ug/L	1.00	01/29/09 04:13	TRB	9A28078	624
Ethylbenzene	ND		5.00	0.465	ug/L	1.00	01/29/09 04:13	TRB	9A28078	624
m-Xylene & p-Xylene	ND		10.0	1.08	ug/L	1.00	01/29/09 04:13	TRB	9A28078	624
o-Xylene	ND		5.00	0.428	ug/L	1.00	01/29/09 04:13	TRB	9A28078	624
Toluene	ND		5.00	0.454	ug/L	1.00	01/29/09 04:13	TRB	9A28078	624
Surr: 1,2-Dichloroethane-d4 (88-132%)	*100 %*						01/29/09 04:13	TRB	9A28078	624
Surr: 4-Bromofluorobenzene (78-122%)	*99 %*						01/29/09 04:13	TRB	9A28078	624
Surr: Toluene-d8 (87-110%)	*100 %*						01/29/09 04:13	TRB	9A28078	624

Earth Tech, Inc. - Latham, NY
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Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Volume	Date	Analyst	Extraction Method
General Chemistry Parameters							
2540D	9A22039	RSA0613-01	100	100	01/22/09 12:10	JME	No prep solids
420.4	9A21075	RSA0613-01	50	50	01/21/09 18:53	RJP	TRP Distillation
4500-CN G	9A22099	RSA0613-01	50	50	01/22/09 18:00	RJK	Cn Digestion
4500-H+ B	9A21082	RSA0613-01	1	1	01/21/09 20:30	RLG	pH
Semivolatile Organics by GC/MS							
8270C	9A21081	RSA0613-01	1055	1	01/22/09 08:30	JU	3510C MB
Total Metals by EPA 200 Series Methods							
200.7	9A21064	RSA0613-01	50	50	01/22/09 09:15	MLD	3005A
200.7	9A21064	RSA0613-01	50	50	01/22/09 09:15	MLD	3005A
200.7	9A21064	RSA0613-01	50	50	01/22/09 09:15	MLD	3005A
200.7	9A21064	RSA0613-01	50	50	01/22/09 09:15	MLD	3005A
200.7	9A21064	RSA0613-01	50	50	01/22/09 09:15	MLD	3005A
200.7	9A21064	RSA0613-01	50	50	01/22/09 09:15	MLD	3005A
200.7	9A21064	RSA0613-01	50	50	01/22/09 09:15	MLD	3005A
200.7	9A21064	RSA0613-01	50	50	01/22/09 09:15	MLD	3005A
200.7	9A21064	RSA0613-01	50	50	01/22/09 09:15	MLD	3005A
Volatile Organic Compounds							
624	9A28078	RSA0613-01	5	5	01/28/09 17:14	TRB	5030B MS
624	9A28078	RSA0613-02	5	5	01/28/09 17:14	TRB	5030B MS

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

LABORATORY BLANK QC DATA

Analyte	Seq/ Batch	Spike Level	MRL	MDL	Units	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters													
Phenolics, Total Recoverable	9A21075		0.0100	0.00500	mg/L	ND							
Total Suspended Solids	9A22039		4.00	4.00	mg/L	ND							
Cyanide, Amenable	9A22099		0.0100	0.00300	mg/L	ND							
Semivolatile Organics by GC/MS													
Acenaphthene	9A21081		5.0	0.11	ug/L	ND							
Acenaphthylene	9A21081		5.0	0.047	ug/L	ND							
Anthracene	9A21081		5.0	0.056	ug/L	ND							
Benzo[a]anthracene	9A21081		5.0	0.064	ug/L	ND							
Benzo[a]pyrene	9A21081		5.0	0.091	ug/L	ND							
Benzo[b]fluoranthene	9A21081		5.0	0.063	ug/L	ND							
Benzo[g,h,i]perylene	9A21081		5.0	0.078	ug/L	ND							
Benzo[k]fluoranthene	9A21081		5.0	0.066	ug/L	ND							
Chrysene	9A21081		5.0	0.27	ug/L	ND							
Dibenz[a,h]anthracene	9A21081		5.0	0.20	ug/L	ND							
Fluoranthene	9A21081		5.0	0.098	ug/L	ND							
Fluorene	9A21081		5.0	0.074	ug/L	ND							
Indeno[1,2,3-cd]pyrene	9A21081		5.0	0.15	ug/L	ND							
Naphthalene	9A21081		5.0	0.12	ug/L	ND							
Phenanthrene	9A21081		5.0	0.11	ug/L	ND							
Pyrene	9A21081		5.0	0.068	ug/L	ND							
Surrogate: 2-Fluorobiphenyl	*9A21081*				ug/L			*63*		*48-120*			
Surrogate: Nitrobenzene-d5	*9A21081*				ug/L			*64*		*46-120*			
Surrogate: p-Terphenyl-d14	*9A21081*				ug/L			*65*		*24-136*			
Total Metals by EPA 200 Series Methods													
Barium	9A21064		0.00200	0.000280	mg/L	ND							
Cadmium	9A21064		0.00100	0.000330	mg/L	ND							
Chromium	9A21064		0.00400	0.000880	mg/L	ND							
Copper	9A21064		0.0100	0.00126	mg/L	ND							
Iron	9A21064		0.0500	0.0193	mg/L	ND							
Lead	9A21064		0.00600	0.00290	mg/L	ND							
Manganese	9A21064		0.00300	0.000240	mg/L	ND							
Nickel	9A21064		0.0100	0.00103	mg/L	ND							
Zinc	9A21064		0.0100	0.00360	mg/L	ND							
Volatile Organic Compounds													
Benzene	9A28078		5.00	0.597	ug/L	ND							
Ethylbenzene	9A28078		5.00	0.465	ug/L	ND							
m-Xylene & p-Xylene	9A28078		10.0	1.08	ug/L	ND							
o-Xylene	9A28078		5.00	0.428	ug/L	ND							
Toluene	9A28078		5.00	0.454	ug/L	ND							
Surrogate: 1,2-Dichloroethane-d4	*9A28078*				ug/L			*102*		*88-132*			
Surrogate: 4-Bromofluorobenzene	*9A28078*				ug/L			*104*		*78-122*			
Surrogate: Toluene-d8	*9A28078*				ug/L			*99*		*87-110*			
1,4-Dichlorobenzene-d4	9A28078	30.0	N/A	N/A	ug/L	30.0		96		50-200			
1,4-Difluorobenzene	9A28078	30.0	N/A	N/A	ug/L	30.0		99		50-200			
Chlorobenzene-d5	9A28078	30.0	N/A	N/A	ug/L	30.0		103		50-200			

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

LABORATORY DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters													
QC Source Sample: RSA0619-03													
Phenolics, Total Recoverable	9A21075	0.00530		0.0100	0.00500	mg/L	ND					20	
QC Source Sample: RSA0613-01													
pH	9A21082	7.90		N/A	0.00	SU	7.92				0	5	
QC Source Sample: RSA0613-01													
Total Suspended Solids	9A22039	ND		4.00	4.00	mg/L	ND					15	

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

LCS/LCS DUPLICATE QC DATA

Analyte	Seq/ Batch	Spike Level	MRL	MDL	Units	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters													
Phenolics, Total Recoverable	9A21075	0.115	0.0100	0.00500	mg/L	0.0916		80		75-125			
pH	9A21082	7.00	N/A	N/A	SU	7.01		100		99.3-100.8			
Cyanide, Amenable	9A22099	0.250	0.0100	0.00300	mg/L	0.260		104		90-110		15	
Semivolatile Organics by GC/MS													
Acenaphthene	9A21081	50.0	5.0	0.11	ug/L	45.5	37.2	91	74	60-120	20	24	
Acenaphthylene	9A21081	50.0	5.0	0.047	ug/L	48.2	39.7	96	79	63-120	19	18	R2
Anthracene	9A21081	50.0	5.0	0.056	ug/L	49.6	50.3	99	101	69-131	1	15	
Benzo[a]anthracene	9A21081	50.0	5.0	0.064	ug/L	48.9	47.2	98	94	73-138	4	15	
Benzo[a]pyrene	9A21081	50.0	5.0	0.091	ug/L	46.1	44.6	92	89	74-126	3	15	
Benzo[b]fluoranthene	9A21081	50.0	5.0	0.063	ug/L	46.5	46.3	93	93	75-133	0	15	
Benzo[g,h,i]perylene	9A21081	50.0	5.0	0.078	ug/L	51.7	50.0	103	100	66-152	3	15	
Benzo[k]fluoranthene	9A21081	50.0	5.0	0.066	ug/L	43.6	41.2	87	82	66-134	6	22	
Chrysene	9A21081	50.0	5.0	0.27	ug/L	52.2	49.8	104	100	69-140	5	15	
Dibenz[a,h]anthracene	9A21081	50.0	5.0	0.20	ug/L	44.9	42.8	90	86	67-144	5	15	
Fluoranthene	9A21081	50.0	5.0	0.098	ug/L	53.6	54.3	107	109	67-133	1	15	
Fluorene	9A21081	50.0	5.0	0.074	ug/L	48.7	45.1	97	90	66-129	8	15	
Indeno[1,2,3-cd]pyrene	9A21081	50.0	5.0	0.15	ug/L	52.7	50.3	105	101	69-146	5	15	
Naphthalene	9A21081	50.0	5.0	0.12	ug/L	34.8	22.3	70	45	48-120	44	29	R2,L4
Phenanthrene	9A21081	50.0	5.0	0.11	ug/L	50.1	50.3	100	101	67-130	0	15	
Pyrene	9A21081	50.0	5.0	0.068	ug/L	47.5	46.6	95	93	58-136	2	25	
Surrogate: 2-Fluorobiphenyl	*9A21081*				ug/L			*69*	*57*	*48-120*			
Surrogate: Nitrobenzene-d5	*9A21081*				ug/L			*65*	*62*	*46-120*			
Surrogate: p-Terphenyl-d14	*9A21081*				ug/L			*61*	*58*	*24-136*			
Total Metals by EPA 200 Series Methods													
Barium	9A21064	0.200	0.00200	0.000280	mg/L	0.197		99		85-115			
Cadmium	9A21064	0.200	0.00100	0.000330	mg/L	0.197		99		85-115			
Chromium	9A21064	0.200	0.00400	0.000880	mg/L	0.196		98		85-115			
Copper	9A21064	0.200	0.0100	0.00126	mg/L	0.195		98		85-115			
Iron	9A21064	10.0	0.0500	0.0193	mg/L	9.88		99		85-115			
Lead	9A21064	0.200	0.00600	0.00290	mg/L	0.198		99		85-115			
Manganese	9A21064	0.200	0.00300	0.000240	mg/L	0.196		98		85-115			
Nickel	9A21064	0.200	0.0100	0.00103	mg/L	0.198		99		85-115			
Zinc	9A21064	0.200	0.0100	0.00360	mg/L	0.198		99		85-115			
Volatile Organic Compounds													
Benzene	9A28078	20.0	N/A	N/A	ug/L	18.6		93		64-136		15	
Ethylbenzene	9A28078	20.0	N/A	N/A	ug/L	18.7		93		59-141		15	
Toluene	9A28078	20.0	N/A	N/A	ug/L	18.6		93		74.5-125.5		15	
Surrogate: 1,2-Dichloroethane-d4	*9A28078*				ug/L			*101*		*88-132*			
Surrogate: 4-Bromofluorobenzene	*9A28078*				ug/L			*99*		*78-122*			
Surrogate: Toluene-d8	*9A28078*				ug/L			*100*		*87-110*			
1,4-Dichlorobenzene-d4	9A28078	30.0	N/A	N/A	ug/L	30.0		96					
1,4-Difluorobenzene	9A28078	30.0	N/A	N/A	ug/L	30.0		99					
Chlorobenzene-d5	9A28078	30.0	N/A	N/A	ug/L	30.0		101					

Earth Tech, Inc. - Latham, NY
40 British American Blvd
Latham, NY 12110

Work Order: RSA0613
Project: Mechanicsville Discharge Analysis
Project Number: [none]

Received: 01/21/09
Reported: 02/04/09 16:21

MATRIX SPIKE/MATRIX SPIKE DUPLICATE QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	Dup Result	% REC	Dup %REC	% REC Limits	RPD	RPD Limit	Q
General Chemistry Parameters														
QC Source Sample: RSA0619-03														
Phenolics, Total Recoverable	9A21075	0.00530	0.100	0.0100	0.00500	mg/L	0.0954		90		60-143			
Total Metals by EPA 200 Series Methods														
QC Source Sample: RSA0619-03														
Barium	9A21064	0.0416	0.200	0.00200	0.000280	mg/L	0.242	0.240	100	99	70-130	1	20	
Cadmium	9A21064	ND	0.200	0.00100	0.000330	mg/L	0.195	0.189	97	94	70-130	3	20	
Chromium	9A21064	ND	0.200	0.00400	0.000880	mg/L	0.196	0.193	98	97	70-130	1	20	
Copper	9A21064	ND	0.200	0.0100	0.00126	mg/L	0.196	0.197	98	99	70-130	0	20	
Iron	9A21064	0.0809	10.0	0.0500	0.0193	mg/L	9.97	9.78	99	97	70-130	2	20	
Lead	9A21064	ND	0.200	0.00600	0.00290	mg/L	0.197	0.193	98	96	70-130	2	20	
Manganese	9A21064	0.188	0.200	0.00300	0.000240	mg/L	0.390	0.386	101	99	70-130	1	20	
Nickel	9A21064	0.00343	0.200	0.0100	0.00103	mg/L	0.200	0.196	98	96	70-130	2	20	
Zinc	9A21064	0.00800	0.200	0.0100	0.00360	mg/L	0.206	0.200	99	96	70-130	3	20	

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TCPH

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek		097801
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page _____ of _____
	607-762-8839		
City / State / Zip Code	Site Contact: Matthew Thorpe 585-428-4383	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Mechanicville MGP, N.Y.			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	<6°C	Analysis: A CN	BTEX	PAH	TPHENOLS	TSS, PH	total met	Special Instructions/ Conditions of Receipt
MCFT WW NA 017	01/19/09	14:20		X							X			X						Waste Water
MCFT WW NA 017	01/19/09	14:20		X						X					X					Batch 3
MCFT WW NA 017	01/19/09	14:20		X						X					X					
MCFT WW NA 017	01/19/09	14:20		X									X			X				
MCFT WW NA 017	01/19/09	14:20		X									X			X				
MCFT WW NA 017	01/19/09	14:20		X				X									X			
MCFT WW NA 017	01/19/09	14:20		X									X					X		
MCFT WW NA 017	01/19/09	14:20		X					X				X						X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	01/20/09	14:17	1. Received By	1-21-09	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

2.0°

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-7982-1

SDG Number: 220-7982

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill



Approved for release.
Joan Widomski
2/13/2009 11:29 AM

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
02/13/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. All associated samples have been qualified with the "HF" flag to indicate they were performed in the laboratory outside the 15 minute timeframe.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-7982-1	**MCFT WWNA020**					
Benzene		34		5.0	ug/L	624
Toluene		12		5.0	ug/L	624
Ethylbenzene		22		5.0	ug/L	624
Xylenes, Total		15		5.0	ug/L	624
m&p-Xylene		8.8	J	10	ug/L	624
o-Xylene		6.1		5.0	ug/L	624
Acenaphthene		5.3		4.0	ug/L	625
Acenaphthylene		2.5	J	4.0	ug/L	625
Anthracene		1.7	J	4.0	ug/L	625
Benzo[a]anthracene		1.2	J	4.0	ug/L	625
Benzo[a]pyrene		0.88	J	4.0	ug/L	625
Chrysene		0.97	J	4.0	ug/L	625
Fluoranthene		2.4	J	4.0	ug/L	625
Fluorene		2.4	J	4.0	ug/L	625
Naphthalene		38		4.0	ug/L	625
Phenanthrene		6.4		4.0	ug/L	625
Pyrene		4.0		4.0	ug/L	625
Barium		83		10	ug/L	200.7 Rev 4.4
Iron		450		250	ug/L	200.7 Rev 4.4
Manganese		93		15	ug/L	200.7 Rev 4.4
Phenolics, Total Recoverable		0.018		0.0050	mg/L	420.4
Total Suspended Solids		6.6		1.0	mg/L	SM 2540D
Cyanide, Amenable		54		10	ug/L	SM 4500 CN G
pH		8.20	HF	0.100	SU	SM 4500 H+ B

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Madumadu, Dave	DM
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Madumadu, Dave	DM
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-7982-1	MCFT WWNA020	Water	02/04/2009 1130	02/06/2009 0950
220-7982-2TB	Trip Blank	Water	02/04/2009 0000	02/06/2009 0950

SAMPLE RESULTS

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Client Sample ID: **MCFT WWNA020**

Lab Sample ID: 220-7982-1
Client Matrix: Water

Date Sampled: 02/04/2009 1130
Date Received: 02/06/2009 0950

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 02/09/2009 1635
Date Prepared: N/A

Analysis Batch: 220-24303

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6303.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	34		0.090	5.0
Toluene	12		0.15	5.0
Ethylbenzene	22		0.26	5.0
Xylenes, Total	15		0.53	5.0
m&p-Xylene	8.8	J	0.34	10
o-Xylene	6.1		0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	77 - 127
4-Bromofluorobenzene	86	68 - 126
Toluene-d8 (Surr)	100	77 - 123

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Client Sample ID: **Trip Blank**

Lab Sample ID: 220-7982-2TB
Client Matrix: Water

Date Sampled: 02/04/2009 0000
Date Received: 02/06/2009 0950

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 02/09/2009 1537
Date Prepared: N/A

Analysis Batch: 220-24303

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6301.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	77 - 127
4-Bromofluorobenzene	72	68 - 126
Toluene-d8 (Surr)	101	77 - 123

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Client Sample ID: **MCFT WWNA020**

Lab Sample ID: 220-7982-1
Client Matrix: Water

Date Sampled: 02/04/2009 1130
Date Received: 02/06/2009 0950

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 02/11/2009 0148
Date Prepared: 02/06/2009 1334

Analysis Batch: 220-24227
Prep Batch: 220-24145

Instrument ID: HP 6890/5975
Lab File ID: Ax3901.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	5.3		0.38	4.0
Acenaphthylene	2.5	J	0.47	4.0
Anthracene	1.7	J	0.42	4.0
Benzo[a]anthracene	1.2	J	0.37	4.0
Benzo[a]pyrene	0.88	J	0.37	4.0
Benzo[b]fluoranthene	4.0	U	0.38	4.0
Benzo[g,h,i]perylene	4.0	U	0.29	4.0
Benzo[k]fluoranthene	4.0	U	0.43	4.0
Chrysene	0.97	J	0.40	4.0
Dibenz(a,h)anthracene	4.0	U	0.32	4.0
Fluoranthene	2.4	J	0.42	4.0
Fluorene	2.4	J	0.48	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.41	4.0
Naphthalene	38		0.42	4.0
Phenanthrene	6.4		0.39	4.0
Pyrene	4.0		0.42	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	63		42 - 103
Nitrobenzene-d5	68		42 - 108
Terphenyl-d14	40	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Client Sample ID: MCFT WWNA020

Lab Sample ID: 220-7982-1
Client Matrix: Water

Date Sampled: 02/04/2009 1130
Date Received: 02/06/2009 0950

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 02/10/2009 1131
Date Prepared: 02/09/2009 1230

Analysis Batch: 220-24200
Prep Batch: 220-24177

Instrument ID: TJA Trace ICAP
Lab File ID: W021009
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	83		1.2	10
Cadmium	10	U	2.8	10
Chromium	10	U	1.0	10
Copper	10	U	1.4	10
Iron	450		62	250
Manganese	93		2.3	15
Nickel	10	U	1.4	10
Lead	10	U	3.0	10
Zinc	50	U	7.0	50

General Chemistry

Client Sample ID: MCFT WWNA020

Lab Sample ID: 220-7982-1
Client Matrix: Water

Date Sampled: 02/04/2009 1130
Date Received: 02/06/2009 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	6.6		mg/L	0.12	1.0	1.0	SM 2540D
Anly Batch: 220-24109	Date Analyzed			02/06/2009 1411			
Phenolics, Total Recoverable	0.018		mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-24296	Date Analyzed			02/12/2009 1751			
Prep Batch: 220-24237	Date Prepared:			02/11/2009 1015			
Cyanide, Amenable	54		ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-24298	Date Analyzed			02/12/2009 1841			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	8.20	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-24151	Date Analyzed			02/06/2009 1455			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	Surrogate exceeds the control limit
Metals		
	U	Indicates analyzed for but not detected.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-24303					
LCS 220-24303/2	Lab Control Spike	T	Water	624	
MB 220-24303/3	Method Blank	T	Water	624	
220-7982-1	MCFT WWNA020	T	Water	624	
220-7982-2TB	Trip Blank	T	Water	624	
GC/MS Semi VOA					
Prep Batch: 220-24145					
LCS 220-24145/2-A	Lab Control Spike	T	Water	625	
MB 220-24145/1-A	Method Blank	T	Water	625	
220-7982-1	MCFT WWNA020	T	Water	625	
Analysis Batch:220-24227					
LCS 220-24145/2-A	Lab Control Spike	T	Water	625	220-24145
MB 220-24145/1-A	Method Blank	T	Water	625	220-24145
220-7982-1	MCFT WWNA020	T	Water	625	220-24145
Metals					
Prep Batch: 220-24177					
LCS 220-24177/2-A	Lab Control Spike	T	Water	200.7	
MB 220-24177/1-A	Method Blank	T	Water	200.7	
220-7982-1	MCFT WWNA020	T	Water	200.7	
Analysis Batch:220-24200					
LCS 220-24177/2-A	Lab Control Spike	T	Water	200.7 Rev 4.4	220-24177
MB 220-24177/1-A	Method Blank	T	Water	200.7 Rev 4.4	220-24177
220-7982-1	MCFT WWNA020	T	Water	200.7 Rev 4.4	220-24177

Report Basis
T = Total

Report Basis
T = Total

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:220-24109					
LCS 220-24109/2	Lab Control Spike	T	Water	SM 2540D	
MB 220-24109/1	Method Blank	T	Water	SM 2540D	
220-7982-1	MCFT WWNA020	T	Water	SM 2540D	
Analysis Batch:220-24151					
MB 220-24151/1	Method Blank	T	Water	SM 4500 H+ B	
220-7982-1	MCFT WWNA020	T	Water	SM 4500 H+ B	
220-7982-1DU	Duplicate	T	Water	SM 4500 H+ B	
Prep Batch: 220-24237					
LCS 220-24237/2-A	Lab Control Spike	T	Water	Distill/Phenol	
MB 220-24237/1-A	Method Blank	T	Water	Distill/Phenol	
220-7982-1	MCFT WWNA020	T	Water	Distill/Phenol	
Analysis Batch:220-24296					
LCS 220-24237/2-A	Lab Control Spike	T	Water	420.4	220-24237
MB 220-24237/1-A	Method Blank	T	Water	420.4	220-24237
220-7982-1	MCFT WWNA020	T	Water	420.4	220-24237
Analysis Batch:220-24298					
MB 220-24298/1	Method Blank	T	Water	SM 4500 CN G	
220-7982-1	MCFT WWNA020	T	Water	SM 4500 CN G	
220-7982-1DU	Duplicate	T	Water	SM 4500 CN G	

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	12DCE %Rec	BFB %Rec	TOL %Rec
220-7982-1	MCFT WWNA020	102	86	100
220-7982-2	Trip Blank	97	72	101
MB 220-24303/3		96	73	103
LCS 220-24303/2		95	96	99

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	77-127
BFB = 4-Bromofluorobenzene	68-126
TOL = Toluene-d8 (Surr)	77-123

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
220-7982-1	MCFT WWNA020	63	68	40*
MB 220-24145/1-A		63	68	54*
LCS 220-24145/2-A		74	73	59*

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	42-103
NBZ = Nitrobenzene-d5	42-108
TPH = Terphenyl-d14	63-129

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Method Blank - Batch: 220-24303

Method: 624
Preparation: N/A

Lab Sample ID: MB 220-24303/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/09/2009 1405
Date Prepared: N/A

Analysis Batch: 220-24303
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6299.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	77 - 127
4-Bromofluorobenzene	73	68 - 126
Toluene-d8 (Surr)	103	77 - 123

Lab Control Spike - Batch: 220-24303

Method: 624
Preparation: N/A

Lab Sample ID: LCS 220-24303/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/09/2009 1245
Date Prepared: N/A

Analysis Batch: 220-24303
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6297.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	23.7	118	37 - 151	
Toluene	20.0	24.2	121	47 - 150	
Ethylbenzene	20.0	23.2	116	37 - 162	
Xylenes, Total	60.0	70.1	117	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	77 - 127
4-Bromofluorobenzene	96	68 - 126
Toluene-d8 (Surr)	99	77 - 123

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Method Blank - Batch: 220-24145

Method: 625
Preparation: 625

Lab Sample ID: MB 220-24145/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/10/2009 1402
Date Prepared: 02/06/2009 1334

Analysis Batch: 220-24227
Prep Batch: 220-24145
Units: ug/L

Instrument ID: HP 6890/5975
Lab File ID: Ax3874.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	4.0	U	0.38	4.0
Acenaphthylene	4.0	U	0.47	4.0
Anthracene	4.0	U	0.42	4.0
Benzo[a]anthracene	4.0	U	0.37	4.0
Benzo[a]pyrene	4.0	U	0.37	4.0
Benzo[b]fluoranthene	4.0	U	0.38	4.0
Benzo[g,h,i]perylene	4.0	U	0.29	4.0
Benzo[k]fluoranthene	4.0	U	0.43	4.0
Chrysene	4.0	U	0.40	4.0
Dibenz(a,h)anthracene	4.0	U	0.32	4.0
Fluoranthene	4.0	U	0.42	4.0
Fluorene	4.0	U	0.48	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.41	4.0
Naphthalene	4.0	U	0.42	4.0
Phenanthrene	4.0	U	0.39	4.0
Pyrene	4.0	U	0.42	4.0

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl	63		42 - 103
Nitrobenzene-d5	68		42 - 108
Terphenyl-d14	54	*	63 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Lab Control Spike - Batch: 220-24145

Method: 625
Preparation: 625

Lab Sample ID: LCS 220-24145/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/10/2009 1428
Date Prepared: 02/06/2009 1334

Analysis Batch: 220-24227
Prep Batch: 220-24145
Units: ug/L

Instrument ID: HP 6890/5975
Lab File ID: Ax3875.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	31.1	78	47 - 145	
Acenaphthylene	40.0	31.6	79	33 - 145	
Anthracene	40.0	32.3	81	27 - 133	
Benzo[a]anthracene	40.0	31.5	79	33 - 143	
Benzo[a]pyrene	40.0	27.5	69	17 - 163	
Benzo[b]fluoranthene	40.0	31.5	79	24 - 159	
Benzo[g,h,i]perylene	40.0	32.8	82	1 - 219	
Benzo[k]fluoranthene	40.0	31.8	79	11 - 162	
Chrysene	40.0	31.1	78	17 - 168	
Dibenz(a,h)anthracene	40.0	33.2	83	1 - 227	
Fluoranthene	40.0	32.1	80	26 - 137	
Fluorene	40.0	32.1	80	59 - 121	
Indeno[1,2,3-cd]pyrene	40.0	33.7	84	1 - 171	
Naphthalene	40.0	27.7	69	21 - 133	
Phenanthrene	40.0	32.3	81	54 - 120	
Pyrene	40.0	33.0	82	52 - 115	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl	74		42 - 103
Nitrobenzene-d5	73		42 - 108
Terphenyl-d14	59	*	63 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Method Blank - Batch: 220-24177

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 220-24177/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/10/2009 1100
Date Prepared: 02/09/2009 1230

Analysis Batch: 220-24200
Prep Batch: 220-24177
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W021009
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	10	U	1.2	10
Cadmium	10	U	2.8	10
Chromium	10	U	1.0	10
Copper	10	U	1.4	10
Iron	250	U	62	250
Manganese	15	U	2.3	15
Nickel	10	U	1.4	10
Lead	10	U	3.0	10
Zinc	50	U	7.0	50

Lab Control Spike - Batch: 220-24177

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: LCS 220-24177/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/10/2009 1105
Date Prepared: 02/09/2009 1230

Analysis Batch: 220-24200
Prep Batch: 220-24177
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W021009
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	300	309	103	85 - 115	
Cadmium	300	307	102	85 - 115	
Chromium	300	315	105	85 - 115	
Copper	300	309	103	85 - 115	
Iron	25000	25230	101	85 - 115	
Manganese	200	213	106	85 - 115	
Nickel	300	310	103	85 - 115	
Lead	1000	1010	101	85 - 115	
Zinc	300	308	103	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Method Blank - Batch: 220-24237

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: MB 220-24237/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/12/2009 1746
Date Prepared: 02/11/2009 1015

Analysis Batch: 220-24296
Prep Batch: 220-24237
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_12 Feb
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	0.0050	U	0.0011	0.0050

Lab Control Spike - Batch: 220-24237

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: LCS 220-24237/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/12/2009 1747
Date Prepared: 02/11/2009 1015

Analysis Batch: 220-24296
Prep Batch: 220-24237
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_12 Feb
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	1.03	0.932	90	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Method Blank - Batch: 220-24109

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 220-24109/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/05/2009 1500
Date Prepared: N/A

Analysis Batch: 220-24109
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Total Suspended Solids	1.0	U	0.12	1.0

Lab Control Spike - Batch: 220-24109

Method: SM 2540D
Preparation: N/A

Lab Sample ID: LCS 220-24109/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/05/2009 1503
Date Prepared: N/A

Analysis Batch: 220-24109
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	204	191.0	94	72 - 107	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Method Blank - Batch: 220-24298

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: MB 220-24298/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/12/2009 1841
Date Prepared: N/A

Analysis Batch: 220-24298
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Amenable	10	U	2.3	10
Cyanide, Non-amenable	2.6	J	2.3	10
Cyanide, Total	10	U	2.3	10

Duplicate - Batch: 220-24298

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: 220-7982-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/12/2009 1841
Date Prepared: N/A

Analysis Batch: 220-24298
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cyanide, Amenable	54	54.0	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-7982-1
Sdg Number: 220-7982

Method Blank - Batch: 220-24151

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: MB 220-24151/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/06/2009 1445
Date Prepared: N/A

Analysis Batch: 220-24151
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	RL
pH	4.55		0.100	0.100

Duplicate - Batch: 220-24151

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: 220-7982-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/06/2009 1505
Date Prepared: N/A

Analysis Batch: 220-24151
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	8.20	8.210	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

5 Day 2076

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

7982

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	2/4/09	097802
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page _____ of _____
	607-762-8834		
City / State / Zip Code	Site Contact: ~~Aaron~~ Matthew Thorpe @	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Mechanicville M.G.P., N.Y			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	<6°C	Analysis: ACN	BTEX	PAH	TPHENOLS	TSS, PHV	total met	Special Instructions/ Conditions of Receipt
MCFT WWNA020	2/4/09	11:30		X							X			X						Waste Water
MCFT WWNA 020	2/4/09	11:30		X						X					X					Batch 5
MCFT WWNA 020	2/4/09	11:30		X						X					X					
MCFT WWNA 020	2/4/09	11:30		X									X			X				
MCFT WWNA 020	2/4/09	11:30		X									X			X				
MCFT WWNA 020	2/4/09	11:30		X				X									X			
MCFT WWNA 020	2/4/09	11:30		X									X					X		
MCFT WWNA 020	2/4/09	11:30		X					X										X	Read 1-Trip Blank
Trip Blank (KB) 2/6/09																				vial not listed on the COC, added by Sample Control. (KB) 2/6/09

Page 27 of 30

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	2/4/09	15:49	1. Received By	2/5/09	0900
2. Relinquished By	2-5-09	1430	2. Received By TA CT	2/6/09	950
3. Relinquished By			3. Received By		

Comments

2.0°C

0.4°C @ CT

PASSED RAD SCREEN

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

02/13/2009

TESTAMERICA CONNECTICUT
PRESERVATIVE RECORD

Job Number:

Client:

Client Project:

Lab Number	Preservative	pH	Adjustment (mLs)	pH after Adjustment	Preservative Lot Number	Initials	Date
7982- 01	HNO3	<2	N/A	N/A	N/A	KLB	2/6/09
↓ 01	H2SO4	<2	↓	↓	↓	↓	↓
↓ 01	NaOH	>12	↓	↓	↓	↓	↓

TestAmerica - Connecticut
Internal Chain-of-Custody

220-7982

AECOM/Energy East - nysec Mechanicsville

Trip Blank: 2

QC: Air: 5 day tat

FB:

Soil: Water: 1-2

Date Received: 2/6/09

Sample #s: 1-2

Locations: 91B, R-1I

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1	ICB		2-6	1328	EXT				
1	ICB	JM	2/6/9	14:25	TSS - pH	JM	ICB	2/6	15:10
1	ICB	JM	2/9	1125	TTR	JM	ICB	2/9	1245
1-2	ICB	D.H.	2/9/09	14:45	VOA	Used			
1	ICB	RN	2/10	900	CN	JW FOR RN		2/10	900
1	ICB	RN	2/11	930	PHENOLS	RN		2/11	1500

TestAmerica Form# SMF00508.CT

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-7982-1
SDG Number: 220-7982

Login Number: 7982
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Trip Blank was not listed on the coc.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8238-1

SDG Number: 220-8238

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
3/6/2009 4:26 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
03/06/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8238-1	MCFT WWNA 031	Water	03/03/2009 1430	03/04/2009 0940
220-8238-2	MCFT WWNA 032	Water	03/03/2009 1430	03/04/2009 0940
220-8238-3	MCFT WWNA 033	Water	03/03/2009 1430	03/04/2009 0940
220-8238-4	MCFT WWNA 034	Water	03/03/2009 1430	03/04/2009 0940
220-8238-5TB	TRIP BLANK	Water	03/03/2009 1430	03/04/2009 0940

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Client Sample ID: **MCFT WWNA 031**

Lab Sample ID: 220-8238-1
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/05/2009 1451
Date Prepared: N/A

Analysis Batch: 220-24927

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6488.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	77 - 127
4-Bromofluorobenzene	72	68 - 126
Toluene-d8 (Surr)	100	77 - 123

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Client Sample ID: **MCFT WWNA 032**

Lab Sample ID: 220-8238-2
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/05/2009 1520
Date Prepared: N/A

Analysis Batch: 220-24927

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6489.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	77 - 127
4-Bromofluorobenzene	70	68 - 126
Toluene-d8 (Surr)	99	77 - 123

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Client Sample ID: **MCFT WWNA 033**

Lab Sample ID: 220-8238-3
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/05/2009 1549
Date Prepared: N/A

Analysis Batch: 220-24927

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6490.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	10		0.090	5.0
Toluene	1.2	J	0.15	5.0
Ethylbenzene	0.81	J	0.26	5.0
Xylenes, Total	0.57	J	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	77 - 127
4-Bromofluorobenzene	74	68 - 126
Toluene-d8 (Surr)	101	77 - 123

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Client Sample ID: **MCFT WWNA 034**

Lab Sample ID: 220-8238-4
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 20
Date Analyzed: 03/05/2009 2205
Date Prepared: N/A

Analysis Batch: 220-24927

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6501.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	790		1.8	100
Toluene	370		3.0	100
Ethylbenzene	350		5.2	100
Xylenes, Total	280		11	100
m&p-Xylene	180	J	6.8	200
o-Xylene	100	J	5.4	100

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120	77 - 127
4-Bromofluorobenzene	87	68 - 126
Toluene-d8 (Surr)	99	77 - 123

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 220-8238-5TB
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/05/2009 1354
Date Prepared: N/A

Analysis Batch: 220-24927

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6486.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	0.20	J	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	77 - 127
4-Bromofluorobenzene	74	68 - 126
Toluene-d8 (Surr)	100	77 - 123

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Client Sample ID: **MCFT WWNA 031**

Lab Sample ID: 220-8238-1
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/05/2009 1858
Date Prepared: 03/04/2009 1117

Analysis Batch: 220-24860
Prep Batch: 220-24803

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx9791.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.38	4.0
Acenaphthylene	4.0	U	0.47	4.0
Anthracene	4.0	U	0.42	4.0
Benzo[a]anthracene	4.0	U	0.37	4.0
Benzo[a]pyrene	4.0	U	0.37	4.0
Benzo[b]fluoranthene	4.0	U	0.38	4.0
Benzo[g,h,i]perylene	4.0	U	0.29	4.0
Benzo[k]fluoranthene	4.0	U	0.43	4.0
Chrysene	4.0	U	0.40	4.0
Dibenz(a,h)anthracene	4.0	U	0.32	4.0
Fluoranthene	4.0	U	0.42	4.0
Fluorene	4.0	U	0.48	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.41	4.0
Naphthalene	4.0	U	0.42	4.0
Phenanthrene	4.0	U	0.39	4.0
Pyrene	4.0	U	0.42	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	69		42 - 103
Nitrobenzene-d5	72		42 - 108
Terphenyl-d14	54	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Client Sample ID: **MCFT WWNA 032**

Lab Sample ID: 220-8238-2
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/05/2009 1924
Date Prepared: 03/04/2009 1117

Analysis Batch: 220-24860
Prep Batch: 220-24803

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx9792.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.38	4.0
Acenaphthylene	4.0	U	0.47	4.0
Anthracene	4.0	U	0.42	4.0
Benzo[a]anthracene	4.0	U	0.37	4.0
Benzo[a]pyrene	4.0	U	0.37	4.0
Benzo[b]fluoranthene	4.0	U	0.38	4.0
Benzo[g,h,i]perylene	4.0	U	0.29	4.0
Benzo[k]fluoranthene	4.0	U	0.43	4.0
Chrysene	4.0	U	0.40	4.0
Dibenz(a,h)anthracene	4.0	U	0.32	4.0
Fluoranthene	4.0	U	0.42	4.0
Fluorene	4.0	U	0.48	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.41	4.0
Naphthalene	4.0	U	0.42	4.0
Phenanthrene	4.0	U	0.39	4.0
Pyrene	4.0	U	0.42	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	63		42 - 103
Nitrobenzene-d5	65		42 - 108
Terphenyl-d14	48	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Client Sample ID: **MCFT WWNA 033**

Lab Sample ID: 220-8238-3
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/06/2009 1458
Date Prepared: 03/06/2009 0907

Analysis Batch: 220-24940
Prep Batch: 220-24922

Instrument ID: HP 6890/5975
Lab File ID: Ax4139.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.38	4.0
Acenaphthylene	4.0	U	0.47	4.0
Anthracene	4.0	U	0.42	4.0
Benzo[a]anthracene	4.0	U	0.37	4.0
Benzo[a]pyrene	4.0	U	0.37	4.0
Benzo[b]fluoranthene	4.0	U	0.38	4.0
Benzo[g,h,i]perylene	4.0	U	0.29	4.0
Benzo[k]fluoranthene	4.0	U	0.43	4.0
Chrysene	4.0	U	0.40	4.0
Dibenz(a,h)anthracene	4.0	U	0.32	4.0
Fluoranthene	4.0	U	0.42	4.0
Fluorene	4.0	U	0.48	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.41	4.0
Naphthalene	4.0	U	0.42	4.0
Phenanthrene	4.0	U	0.39	4.0
Pyrene	0.55	J	0.42	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	66		42 - 103
Nitrobenzene-d5	65		42 - 108
Terphenyl-d14	53	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Client Sample ID: **MCFT WWNA 034**

Lab Sample ID: 220-8238-4
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 50
Date Analyzed: 03/06/2009 1524
Date Prepared: 03/04/2009 1117

Analysis Batch: 220-24940
Prep Batch: 220-24803

Instrument ID: HP 6890/5975
Lab File ID: Ax4140.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	140	J	19	200
Acenaphthylene	95	J	24	200
Anthracene	33	J	21	200
Benzo[a]anthracene	200	U	18	200
Benzo[a]pyrene	200	U	18	200
Benzo[b]fluoranthene	200	U	19	200
Benzo[g,h,i]perylene	200	U	14	200
Benzo[k]fluoranthene	200	U	22	200
Chrysene	200	U	20	200
Dibenz(a,h)anthracene	200	U	16	200
Fluoranthene	38	J	21	200
Fluorene	67	J	24	200
Indeno[1,2,3-cd]pyrene	200	U	20	200
Naphthalene	1900		21	200
Phenanthrene	140	J	20	200
Pyrene	51	J	21	200

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	78	42 - 103
Nitrobenzene-d5	83	42 - 108
Terphenyl-d14	86	63 - 129

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Client Sample ID: **MCFT WWNA 031**

Lab Sample ID: 220-8238-1
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 03/06/2009 1118
Date Prepared: 03/05/2009 1134

Analysis Batch: 220-24939
Prep Batch: 220-24856

Instrument ID: TJA Trace ICAP
Lab File ID: W030609
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	120		1.2	10
Cadmium	10	U	2.8	10
Chromium	10	U	1.0	10
Copper	10	U	1.4	10
Iron	120	J	62	250
Manganese	340		2.3	15
Nickel	3.6	J	1.4	10
Lead	30	U	3.0	30
Zinc	50	U	7.0	50

General Chemistry

Client Sample ID: **MCFT WWNA 031**

Lab Sample ID: 220-8238-1
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	1.7		mg/L	0.16	1.2	1.0	SM 2540D
Anly Batch: 220-24841	Date Analyzed			03/04/2009 1836			
Phenolics, Total Recoverable	0.0037	J	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-24931	Date Analyzed			03/06/2009 1115			
Prep Batch: 220-24836	Date Prepared:			03/04/2009 1430			
Cyanide, Amenable	10	U	ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-24874	Date Analyzed			03/05/2009 1326			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.59	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-24832	Date Analyzed			03/04/2009 1457			

Client Sample ID: **MCFT WWNA 032**

Lab Sample ID: 220-8238-2
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0038	J	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-24931	Date Analyzed			03/06/2009 1115			
Prep Batch: 220-24836	Date Prepared:			03/04/2009 1430			

Client Sample ID: **MCFT WWNA 033**

Lab Sample ID: 220-8238-3
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0039	J	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-24931	Date Analyzed			03/06/2009 1116			
Prep Batch: 220-24836	Date Prepared:			03/04/2009 1430			

Client Sample ID: **MCFT WWNA 034**

Lab Sample ID: 220-8238-4
Client Matrix: Water

Date Sampled: 03/03/2009 1430
Date Received: 03/04/2009 0940

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.19		mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-24931	Date Analyzed			03/06/2009 1117			
Prep Batch: 220-24836	Date Prepared:			03/04/2009 1430			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8238-1
Sdg Number: 220-8238

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	*	Surrogate exceeds the control limit
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8238-1
SDG Number: 220-8238

Login Number: 8238
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Trip Blank was not listed on the coc.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8348-1

SDG Number: 220-8348

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
3/13/2009 4:02 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
03/13/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8348-1	MCFT WWNA 035	Water	03/10/2009 1500	03/11/2009 0949
220-8348-2	MCFT WWNA 036	Water	03/10/2009 1500	03/11/2009 0949
220-8348-3	MCFT WWNA 037	Water	03/10/2009 1500	03/11/2009 0949
220-8348-4	MCFT WWNA 038	Water	03/10/2009 1500	03/11/2009 0949

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Client Sample ID: **MCFT WWNA 035**

Lab Sample ID: 220-8348-1
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/11/2009 2022
Date Prepared: N/A

Analysis Batch: 220-25125

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6537.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	77 - 127
4-Bromofluorobenzene	85	68 - 126
Toluene-d8 (Surr)	108	77 - 123

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Client Sample ID: **MCFT WWNA 036**

Lab Sample ID: 220-8348-2
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/11/2009 2051
Date Prepared: N/A

Analysis Batch: 220-25125

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6538.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	83	77 - 127
4-Bromofluorobenzene	84	68 - 126
Toluene-d8 (Surr)	107	77 - 123

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Client Sample ID: **MCFT WWNA 037**

Lab Sample ID: 220-8348-3
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/11/2009 2120
Date Prepared: N/A

Analysis Batch: 220-25125

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6539.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	44		0.090	5.0
Toluene	3.7	J	0.15	5.0
Ethylbenzene	1.4	J	0.26	5.0
Xylenes, Total	1.0	J	0.53	5.0
m&p-Xylene	0.53	J	0.34	10
o-Xylene	0.48	J	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	77 - 127
4-Bromofluorobenzene	85	68 - 126
Toluene-d8 (Surr)	106	77 - 123

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Client Sample ID: **MCFT WWNA 038**

Lab Sample ID: 220-8348-4
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 5.0
Date Analyzed: 03/12/2009 0840
Date Prepared: N/A

Analysis Batch: 220-25125

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6544.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	300		0.45	25
Toluene	190		0.75	25
Ethylbenzene	330		1.3	25
Xylenes, Total	300		2.6	25
m&p-Xylene	170		1.7	50
o-Xylene	130		1.4	25

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	82	77 - 127
4-Bromofluorobenzene	108	68 - 126
Toluene-d8 (Surr)	108	77 - 123

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Client Sample ID: **MCFT WWNA 035**

Lab Sample ID: 220-8348-1
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/11/2009 2259
Date Prepared: 03/11/2009 1221

Analysis Batch: 220-25078
Prep Batch: 220-25041

Instrument ID: HP 6890/5975
Lab File ID: Ax4234.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.38	4.0
Acenaphthylene	4.0	U	0.47	4.0
Anthracene	4.0	U	0.42	4.0
Benzo[a]anthracene	4.0	U	0.37	4.0
Benzo[a]pyrene	4.0	U	0.37	4.0
Benzo[b]fluoranthene	4.0	U	0.38	4.0
Benzo[g,h,i]perylene	4.0	U	0.29	4.0
Benzo[k]fluoranthene	4.0	U	0.43	4.0
Chrysene	4.0	U	0.40	4.0
Dibenz(a,h)anthracene	4.0	U	0.32	4.0
Fluoranthene	4.0	U	0.42	4.0
Fluorene	4.0	U	0.48	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.41	4.0
Naphthalene	4.0	U	0.42	4.0
Phenanthrene	4.0	U	0.39	4.0
Pyrene	4.0	U	0.42	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	56	42 - 103
Nitrobenzene-d5	57	42 - 108
Terphenyl-d14	78	63 - 129

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Client Sample ID: **MCFT WWNA 036**

Lab Sample ID: 220-8348-2
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/11/2009 2325
Date Prepared: 03/11/2009 1221

Analysis Batch: 220-25078
Prep Batch: 220-25041

Instrument ID: HP 6890/5975
Lab File ID: Ax4235.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.38	4.0
Acenaphthylene	4.0	U	0.47	4.0
Anthracene	4.0	U	0.42	4.0
Benzo[a]anthracene	4.0	U	0.37	4.0
Benzo[a]pyrene	4.0	U	0.37	4.0
Benzo[b]fluoranthene	4.0	U	0.38	4.0
Benzo[g,h,i]perylene	4.0	U	0.29	4.0
Benzo[k]fluoranthene	4.0	U	0.43	4.0
Chrysene	4.0	U	0.40	4.0
Dibenz(a,h)anthracene	4.0	U	0.32	4.0
Fluoranthene	4.0	U	0.42	4.0
Fluorene	4.0	U	0.48	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.41	4.0
Naphthalene	4.0	U	0.42	4.0
Phenanthrene	4.0	U	0.39	4.0
Pyrene	4.0	U	0.42	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	60	42 - 103
Nitrobenzene-d5	60	42 - 108
Terphenyl-d14	78	63 - 129

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Client Sample ID: **MCFT WWNA 037**

Lab Sample ID: 220-8348-3
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/11/2009 2351
Date Prepared: 03/11/2009 1221

Analysis Batch: 220-25078
Prep Batch: 220-25041

Instrument ID: HP 6890/5975
Lab File ID: Ax4236.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.38	4.0
Acenaphthylene	4.0	U	0.47	4.0
Anthracene	4.0	U	0.42	4.0
Benzo[a]anthracene	4.0	U	0.37	4.0
Benzo[a]pyrene	4.0	U	0.37	4.0
Benzo[b]fluoranthene	4.0	U	0.38	4.0
Benzo[g,h,i]perylene	4.0	U	0.29	4.0
Benzo[k]fluoranthene	4.0	U	0.43	4.0
Chrysene	4.0	U	0.40	4.0
Dibenz(a,h)anthracene	4.0	U	0.32	4.0
Fluoranthene	0.65	J	0.42	4.0
Fluorene	4.0	U	0.48	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.41	4.0
Naphthalene	4.0	U	0.42	4.0
Phenanthrene	4.0	U	0.39	4.0
Pyrene	1.1	J	0.42	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	64	42 - 103
Nitrobenzene-d5	64	42 - 108
Terphenyl-d14	81	63 - 129

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Client Sample ID: **MCFT WWNA 038**

Lab Sample ID: 220-8348-4
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 20
Date Analyzed: 03/12/2009 1003
Date Prepared: 03/11/2009 1221

Analysis Batch: 220-25078
Prep Batch: 220-25041

Instrument ID: HP 6890/5975
Lab File ID: Ax4242.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	130		7.6	80
Acenaphthylene	76	J	9.4	80
Anthracene	24	J	8.4	80
Benzo[a]anthracene	80	U	7.4	80
Benzo[a]pyrene	80	U	7.4	80
Benzo[b]fluoranthene	80	U	7.6	80
Benzo[g,h,i]perylene	80	U	5.8	80
Benzo[k]fluoranthene	80	U	8.6	80
Chrysene	80	U	8.0	80
Dibenz(a,h)anthracene	80	U	6.4	80
Fluoranthene	19	J	8.4	80
Fluorene	60	J	9.6	80
Indeno[1,2,3-cd]pyrene	80	U	8.2	80
Naphthalene	1300		8.4	80
Phenanthrene	100		7.8	80
Pyrene	30	J	8.4	80

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	66	42 - 103
Nitrobenzene-d5	69	42 - 108
Terphenyl-d14	69	63 - 129

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Client Sample ID: **MCFT WWNA 035**

Lab Sample ID: 220-8348-1
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 03/13/2009 1058
Date Prepared: 03/12/2009 1431

Analysis Batch: 220-25159
Prep Batch: 220-25115

Instrument ID: TJA Trace ICAP
Lab File ID: W031309
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	110		1.2	10
Cadmium	10	U	2.8	10
Chromium	10	U	1.0	10
Copper	2.0	J	1.4	10
Iron	190	J	62	250
Manganese	250		2.3	15
Nickel	3.3	J	1.4	10
Lead	30	U	3.0	30
Zinc	50	U	7.0	50

General Chemistry

Client Sample ID: **MCFT WWNA 035**

Lab Sample ID: 220-8348-1
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	2.0		mg/L	0.16	1.2	1.0	SM 2540D
Anly Batch: 220-25074	Date Analyzed			03/12/2009 0857			
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25153	Date Analyzed			03/13/2009 1140			
Prep Batch: 220-25127	Date Prepared:			03/12/2009 1545			
Cyanide, Amenable	10	U	ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-25114	Date Analyzed			03/12/2009 1429			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.59	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-25119	Date Analyzed			03/12/2009 1119			

Client Sample ID: **MCFT WWNA 036**

Lab Sample ID: 220-8348-2
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25153	Date Analyzed			03/13/2009 1141			
Prep Batch: 220-25127	Date Prepared:			03/12/2009 1545			

Client Sample ID: **MCFT WWNA 037**

Lab Sample ID: 220-8348-3
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25153	Date Analyzed			03/13/2009 1142			
Prep Batch: 220-25127	Date Prepared:			03/12/2009 1545			

Client Sample ID: **MCFT WWNA 038**

Lab Sample ID: 220-8348-4
Client Matrix: Water

Date Sampled: 03/10/2009 1500
Date Received: 03/11/2009 0949

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.048		mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25153	Date Analyzed			03/13/2009 1143			
Prep Batch: 220-25127	Date Prepared:			03/12/2009 1545			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8348-1
Sdg Number: 220-8348

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8348-1
SDG Number: 220-8348

Login Number: 8348
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8425-1

SDG Number: 220-8425

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Cheryl Cascella
3/25/2009 12:50 PM

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
03/25/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

Job Narrative
220-J8425-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) 9012B: The matrix spike and post disgest spike recoveries for total cyanide analysis for batch 25319 were outside control limits due to sample matrix interferences. The associated laboratory control sample (LCS), CCLV, LRA, and sample duplicate met acceptance criteria.

Method(s) SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The associated sample has been qualified with the "HF" flag to indicate pH was performed in the laboratory outside the 15 minute timeframe.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-8425-1	**MCFT WWNA 039**					
Barium		190		5.0	ug/L	200.7 Rev 4.4
Copper		3.9	J	5.0	ug/L	200.7 Rev 4.4
Iron		180		120	ug/L	200.7 Rev 4.4
Manganese		490		8.0	ug/L	200.7 Rev 4.4
Nickel		2.5	J	5.0	ug/L	200.7 Rev 4.4
Zinc		4.1	J	25	ug/L	200.7 Rev 4.4
Phenolics, Total Recoverable		0.0062		0.0050	mg/L	420.4
Total Suspended Solids		1.5		1.2	mg/L	SM 2540D
pH		7.69	HF	0.100	SU	SM 4500 H+ B
220-8425-2	**MCFT WWNA 040**					
Benzene		0.11	J	5.0	ug/L	624
Phenolics, Total Recoverable		0.0023	J	0.0050	mg/L	420.4
220-8425-3	**MCFT WWNA 041**					
Benzene		65		5.0	ug/L	624
Toluene		7.1		5.0	ug/L	624
Ethylbenzene		1.9	J	5.0	ug/L	624
Xylenes, Total		1.7	J	5.0	ug/L	624
m&p-Xylene		0.92	J	10	ug/L	624
o-Xylene		0.76	J	5.0	ug/L	624
Benzo[a]anthracene		0.85	J	4.0	ug/L	625
Benzo[a]pyrene		0.90	J	4.0	ug/L	625
Chrysene		0.78	J	4.0	ug/L	625
Fluoranthene		0.95	J	4.0	ug/L	625
Pyrene		1.7	J	4.0	ug/L	625
Phenolics, Total Recoverable		0.014		0.0050	mg/L	420.4

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-8425-4	**MCFT WWNA 042**					
Benzene		540		50	ug/L	624
Toluene		380		50	ug/L	624
Ethylbenzene		460		50	ug/L	624
Xylenes, Total		520		50	ug/L	624
m&p-Xylene		320		100	ug/L	624
o-Xylene		200		50	ug/L	624
Acenaphthene		130		80	ug/L	625
Acenaphthylene		140		80	ug/L	625
Anthracene		20	J	80	ug/L	625
Fluoranthene		13	J	80	ug/L	625
Fluorene		61	J	80	ug/L	625
Naphthalene		1400		80	ug/L	625
Phenanthrene		89		80	ug/L	625
Pyrene		22	J	80	ug/L	625
Phenolics, Total Recoverable		0.11		0.0050	mg/L	420.4

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8425-1	MCFT WWNA 039	Water	03/17/2009 1430	03/18/2009 1000
220-8425-2	MCFT WWNA 040	Water	03/17/2009 1430	03/18/2009 1000
220-8425-3	MCFT WWNA 041	Water	03/17/2009 1430	03/18/2009 1000
220-8425-4	MCFT WWNA 042	Water	03/17/2009 1430	03/18/2009 1000
220-8425-5TB	TRIP BLANK	Water	03/17/2009 0000	03/18/2009 1000

SAMPLE RESULTS

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Client Sample ID: **MCFT WWNA 039**

Lab Sample ID: 220-8425-1
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/20/2009 2008
Date Prepared: N/A

Analysis Batch: 220-25400

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6640.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	77 - 127
4-Bromofluorobenzene	80	68 - 126
Toluene-d8 (Surr)	88	77 - 123

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Client Sample ID: **MCFT WWNA 040**

Lab Sample ID: 220-8425-2
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/20/2009 1941
Date Prepared: N/A

Analysis Batch: 220-25400

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6639.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.11	J	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	77 - 127
4-Bromofluorobenzene	82	68 - 126
Toluene-d8 (Surr)	89	77 - 123

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Client Sample ID: **MCFT WWNA 041**

Lab Sample ID: 220-8425-3
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/20/2009 1914
Date Prepared: N/A

Analysis Batch: 220-25400

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6638.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	65		0.090	5.0
Toluene	7.1		0.15	5.0
Ethylbenzene	1.9	J	0.26	5.0
Xylenes, Total	1.7	J	0.53	5.0
m&p-Xylene	0.92	J	0.34	10
o-Xylene	0.76	J	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	77 - 127
4-Bromofluorobenzene	83	68 - 126
Toluene-d8 (Surr)	90	77 - 123

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Client Sample ID: **MCFT WWNA 042**

Lab Sample ID: 220-8425-4
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 10
Date Analyzed: 03/20/2009 1847
Date Prepared: N/A

Analysis Batch: 220-25400

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6637.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	540		0.90	50
Toluene	380		1.5	50
Ethylbenzene	460		2.6	50
Xylenes, Total	520		5.3	50
m&p-Xylene	320		3.4	100
o-Xylene	200		2.7	50

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	77 - 127
4-Bromofluorobenzene	87	68 - 126
Toluene-d8 (Surr)	87	77 - 123

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Client Sample ID: TRIP BLANK

Lab Sample ID: 220-8425-5TB
Client Matrix: Water

Date Sampled: 03/17/2009 0000
Date Received: 03/18/2009 1000

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/20/2009 1821
Date Prepared: N/A

Analysis Batch: 220-25400

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6636.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	77 - 127
4-Bromofluorobenzene	82	68 - 126
Toluene-d8 (Surr)	88	77 - 123

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Client Sample ID: **MCFT WWNA 039**

Lab Sample ID: 220-8425-1
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/19/2009 1844
Date Prepared: 03/18/2009 1122

Analysis Batch: 220-25359
Prep Batch: 220-25295

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10040.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	61		42 - 103
Nitrobenzene-d5	64		42 - 108
Terphenyl-d14	51	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Client Sample ID: **MCFT WWNA 040**

Lab Sample ID: 220-8425-2
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/19/2009 1910
Date Prepared: 03/18/2009 1122

Analysis Batch: 220-25359
Prep Batch: 220-25295

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10041.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	63		42 - 103
Nitrobenzene-d5	65		42 - 108
Terphenyl-d14	52	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Client Sample ID: **MCFT WWNA 041**

Lab Sample ID: 220-8425-3
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/19/2009 1936
Date Prepared: 03/18/2009 1122

Analysis Batch: 220-25359
Prep Batch: 220-25295

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10042.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	0.85	J	0.30	4.0
Benzo[a]pyrene	0.90	J	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	0.78	J	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	0.95	J	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	1.7	J	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	57		42 - 103
Nitrobenzene-d5	58		42 - 108
Terphenyl-d14	44	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Client Sample ID: **MCFT WWNA 042**

Lab Sample ID: 220-8425-4
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 20
Date Analyzed: 03/20/2009 0945
Date Prepared: 03/18/2009 1122

Analysis Batch: 220-25359
Prep Batch: 220-25295

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10051.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	130		6.2	80
Acenaphthylene	140		6.8	80
Anthracene	20	J	5.8	80
Benzo[a]anthracene	80	U	6.0	80
Benzo[a]pyrene	80	U	7.0	80
Benzo[b]fluoranthene	80	U	7.2	80
Benzo[g,h,i]perylene	80	U	7.2	80
Benzo[k]fluoranthene	80	U	8.0	80
Chrysene	80	U	5.0	80
Dibenz(a,h)anthracene	80	U	7.6	80
Fluoranthene	13	J	6.2	80
Fluorene	61	J	5.2	80
Indeno[1,2,3-cd]pyrene	80	U	5.6	80
Naphthalene	1400		6.0	80
Phenanthrene	89		5.6	80
Pyrene	22	J	6.6	80

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	58		42 - 103
Nitrobenzene-d5	73		42 - 108
Terphenyl-d14	35	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Client Sample ID: MCFT WWNA 039

Lab Sample ID: 220-8425-1
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 03/20/2009 1113
Date Prepared: 03/19/2009 1324

Analysis Batch: 220-25397
Prep Batch: 220-25351

Instrument ID: TJA Trace ICAP
Lab File ID: W032009
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	190		0.20	5.0
Cadmium	5.0	U	0.70	5.0
Chromium	5.0	U	0.46	5.0
Copper	3.9	J	1.2	5.0
Iron	180		12	120
Manganese	490		0.14	8.0
Nickel	2.5	J	0.70	5.0
Lead	15	U	2.2	15
Zinc	4.1	J	4.1	25

General Chemistry

Client Sample ID: MCFT WWNA 039

Lab Sample ID: 220-8425-1
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	1.5		mg/L	0.16	1.2	1.0	SM 2540D
Anly Batch: 220-25371	Date Analyzed			03/20/2009 0938			
Phenolics, Total Recoverable	0.0062		mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25392	Date Analyzed			03/20/2009 1354			
Prep Batch: 220-25350	Date Prepared:			03/19/2009 1230			
Cyanide, Amenable	10	U	ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-25373	Date Analyzed			03/20/2009 0931			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.69	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-25375	Date Analyzed			03/20/2009 0953			

Client Sample ID: MCFT WWNA 040

Lab Sample ID: 220-8425-2
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0023	J	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25392	Date Analyzed			03/20/2009 1355			
Prep Batch: 220-25350	Date Prepared:			03/19/2009 1230			

Client Sample ID: MCFT WWNA 041

Lab Sample ID: 220-8425-3
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.014		mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25392	Date Analyzed			03/20/2009 1356			
Prep Batch: 220-25350	Date Prepared:			03/19/2009 1230			

Client Sample ID: MCFT WWNA 042

Lab Sample ID: 220-8425-4
Client Matrix: Water

Date Sampled: 03/17/2009 1430
Date Received: 03/18/2009 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.11		mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25392	Date Analyzed			03/20/2009 1357			
Prep Batch: 220-25350	Date Prepared:			03/19/2009 1230			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	Surrogate exceeds the control limit
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-25400					
LCS 220-25400/2	Lab Control Spike	T	Water	624	
MB 220-25400/4	Method Blank	T	Water	624	
220-8425-1	MCFT WWNA 039	T	Water	624	
220-8425-2	MCFT WWNA 040	T	Water	624	
220-8425-3	MCFT WWNA 041	T	Water	624	
220-8425-4	MCFT WWNA 042	T	Water	624	
220-8425-5TB	TRIP BLANK	T	Water	624	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 220-25295					
LCS 220-25295/2-A	Lab Control Spike	T	Water	625	
MB 220-25295/1-A	Method Blank	T	Water	625	
220-8425-1	MCFT WWNA 039	T	Water	625	
220-8425-2	MCFT WWNA 040	T	Water	625	
220-8425-3	MCFT WWNA 041	T	Water	625	
220-8425-4	MCFT WWNA 042	T	Water	625	
Analysis Batch:220-25359					
LCS 220-25295/2-A	Lab Control Spike	T	Water	625	220-25295
MB 220-25295/1-A	Method Blank	T	Water	625	220-25295
220-8425-1	MCFT WWNA 039	T	Water	625	220-25295
220-8425-2	MCFT WWNA 040	T	Water	625	220-25295
220-8425-3	MCFT WWNA 041	T	Water	625	220-25295
220-8425-4	MCFT WWNA 042	T	Water	625	220-25295

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-25351					
LCS 220-25351/24-A	Lab Control Spike	T	Water	200.7	
MB 220-25351/23-A	Method Blank	T	Water	200.7	
220-8425-1	MCFT WWNA 039	T	Water	200.7	
220-8425-1DU	Duplicate	T	Water	200.7	
220-8425-1MS	Matrix Spike	T	Water	200.7	
Analysis Batch:220-25397					
LCS 220-25351/24-A	Lab Control Spike	T	Water	200.7 Rev 4.4	220-25351
MB 220-25351/23-A	Method Blank	T	Water	200.7 Rev 4.4	220-25351
220-8425-1	MCFT WWNA 039	T	Water	200.7 Rev 4.4	220-25351
220-8425-1DU	Duplicate	T	Water	200.7 Rev 4.4	220-25351
220-8425-1MS	Matrix Spike	T	Water	200.7 Rev 4.4	220-25351

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 220-25350					
LCS 220-25350/2-A	Lab Control Spike	T	Water	Distill/Phenol	
MB 220-25350/1-A	Method Blank	T	Water	Distill/Phenol	
220-8425-1	MCFT WWNA 039	T	Water	Distill/Phenol	
220-8425-2	MCFT WWNA 040	T	Water	Distill/Phenol	
220-8425-3	MCFT WWNA 041	T	Water	Distill/Phenol	
220-8425-4	MCFT WWNA 042	T	Water	Distill/Phenol	
Analysis Batch:220-25371					
LCS 220-25371/2	Lab Control Spike	T	Water	SM 2540D	
MB 220-25371/1	Method Blank	T	Water	SM 2540D	
220-8425-1	MCFT WWNA 039	T	Water	SM 2540D	
Analysis Batch:220-25373					
MB 220-25373/1	Method Blank	T	Water	SM 4500 CN G	
220-8425-1	MCFT WWNA 039	T	Water	SM 4500 CN G	
Analysis Batch:220-25375					
MB 220-25375/3	Method Blank	T	Water	SM 4500 H+ B	
220-8425-1	MCFT WWNA 039	T	Water	SM 4500 H+ B	
220-8425-1DU	Duplicate	T	Water	SM 4500 H+ B	
Analysis Batch:220-25392					
LCS 220-25350/2-A	Lab Control Spike	T	Water	420.4	220-25350
MB 220-25350/1-A	Method Blank	T	Water	420.4	220-25350
220-8425-1	MCFT WWNA 039	T	Water	420.4	220-25350
220-8425-2	MCFT WWNA 040	T	Water	420.4	220-25350
220-8425-3	MCFT WWNA 041	T	Water	420.4	220-25350
220-8425-4	MCFT WWNA 042	T	Water	420.4	220-25350

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	12DCE %Rec	BFB %Rec	TOL %Rec
220-8425-1	MCFT WWNA 039	86	80	88
220-8425-2	MCFT WWNA 040	85	82	89
220-8425-3	MCFT WWNA 041	84	83	90
220-8425-4	MCFT WWNA 042	86	87	87
220-8425-5	TRIP BLANK	84	82	88
MB 220-25400/4		85	81	88
LCS 220-25400/2		84	85	88

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	77-127
BFB = 4-Bromofluorobenzene	68-126
TOL = Toluene-d8 (Surr)	77-123

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
220-8425-1	MCFT WWNA 039	61	64	51*
220-8425-2	MCFT WWNA 040	63	65	52*
220-8425-3	MCFT WWNA 041	57	58	44*
220-8425-4	MCFT WWNA 042	58	73	35*
MB 220-25295/1-A		57	58	62*
LCS 220-25295/2-A		69	67	77

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	42-103
NBZ = Nitrobenzene-d5	42-108
TPH = Terphenyl-d14	63-129

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Method Blank - Batch: 220-25400

Method: 624
Preparation: N/A

Lab Sample ID: MB 220-25400/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 1737
Date Prepared: N/A

Analysis Batch: 220-25400
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6635.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	77 - 127
4-Bromofluorobenzene	81	68 - 126
Toluene-d8 (Surr)	88	77 - 123

Lab Control Spike - Batch: 220-25400

Method: 624
Preparation: N/A

Lab Sample ID: LCS 220-25400/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 1618
Date Prepared: N/A

Analysis Batch: 220-25400
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6633.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	19.9	99	37 - 151	
Toluene	20.0	20.3	101	47 - 150	
Ethylbenzene	20.0	20.2	101	37 - 162	
Xylenes, Total	60.0	61.3	102	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	84	77 - 127
4-Bromofluorobenzene	85	68 - 126
Toluene-d8 (Surr)	88	77 - 123

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Method Blank - Batch: 220-25295

Method: 625
Preparation: 625

Lab Sample ID: MB 220-25295/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/19/2009 1659
Date Prepared: 03/18/2009 1122

Analysis Batch: 220-25359
Prep Batch: 220-25295
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10036.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl	57		42 - 103
Nitrobenzene-d5	58		42 - 108
Terphenyl-d14	62	*	63 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Lab Control Spike - Batch: 220-25295

Method: 625
Preparation: 625

Lab Sample ID: LCS 220-25295/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/19/2009 1725
Date Prepared: 03/18/2009 1122

Analysis Batch: 220-25359
Prep Batch: 220-25295
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10037.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	34.0	85	47 - 145	
Acenaphthylene	40.0	34.7	87	33 - 145	
Anthracene	40.0	38.5	96	27 - 133	
Benzo[a]anthracene	40.0	37.2	93	33 - 143	
Benzo[a]pyrene	40.0	35.8	90	17 - 163	
Benzo[b]fluoranthene	40.0	37.1	93	24 - 159	
Benzo[g,h,i]perylene	40.0	34.8	87	1 - 219	
Benzo[k]fluoranthene	40.0	37.9	95	11 - 162	
Chrysene	40.0	37.3	93	17 - 168	
Dibenz(a,h)anthracene	40.0	35.0	87	1 - 227	
Fluoranthene	40.0	38.4	96	26 - 137	
Fluorene	40.0	37.1	93	59 - 121	
Indeno[1,2,3-cd]pyrene	40.0	34.7	87	1 - 171	
Naphthalene	40.0	29.2	73	21 - 133	
Phenanthrene	40.0	38.3	96	54 - 120	
Pyrene	40.0	38.3	96	52 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	69	42 - 103
Nitrobenzene-d5	67	42 - 108
Terphenyl-d14	77	63 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Method Blank - Batch: 220-25351

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 220-25351/23-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 1102
Date Prepared: 03/19/2009 1331

Analysis Batch: 220-25397
Prep Batch: 220-25351
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W032009
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	5.0	U	0.20	5.0
Cadmium	5.0	U	0.70	5.0
Chromium	5.0	U	0.46	5.0
Copper	1.9	J	1.2	5.0
Iron	120	U	12	120
Manganese	8.0	U	0.14	8.0
Nickel	5.0	U	0.70	5.0
Lead	15	U	2.2	15
Zinc	25	U	4.1	25

Lab Control Spike - Batch: 220-25351

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: LCS 220-25351/24-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 1107
Date Prepared: 03/19/2009 1331

Analysis Batch: 220-25397
Prep Batch: 220-25351
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W032009
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	300	309	103	85 - 115	
Cadmium	300	318	106	85 - 115	
Chromium	300	326	109	85 - 115	
Copper	300	317	106	85 - 115	
Iron	25000	25850	103	85 - 115	
Manganese	200	219	109	85 - 115	
Nickel	300	316	105	85 - 115	
Lead	1000	1040	104	85 - 115	
Zinc	300	326	109	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Matrix Spike - Batch: 220-25351

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: 220-8425-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 1125
Date Prepared: 03/19/2009 1324

Analysis Batch: 220-25397
Prep Batch: 220-25351
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W032009
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Barium	190		1000	1170	98	75 - 125	
Cadmium	5.0	U	25.0	25.8	103	75 - 125	
Chromium	5.0	U	100	101	101	75 - 125	
Copper	3.9	J	125	131	102	75 - 125	
Iron	180		500	678	100	75 - 125	
Manganese	490		250	720	92	75 - 125	
Nickel	2.5	J	250	256	101	75 - 125	
Lead	15	U	10.0	9.45	94	75 - 125	J
Zinc	4.1	J	250	261	104	75 - 125	

Duplicate - Batch: 220-25351

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: 220-8425-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 1119
Date Prepared: 03/19/2009 1324

Analysis Batch: 220-25397
Prep Batch: 220-25351
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W032009
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Barium	190		180	4	20	
Cadmium	5.0	U	5.0	NC	20	U
Chromium	5.0	U	5.0	NC	20	U
Copper	3.9	J	3.80	2	20	J
Iron	180		168	7	20	
Manganese	490		471	4	20	
Nickel	2.5	J	1.91	25	20	J
Lead	15	U	15	NC	20	U
Zinc	4.1	J	4.56	NC	20	J

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Method Blank - Batch: 220-25350

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: MB 220-25350/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 1352
Date Prepared: 03/19/2009 1230

Analysis Batch: 220-25392
Prep Batch: 220-25350
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_20 Mar
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	0.0050	U	0.0011	0.0050

Lab Control Spike - Batch: 220-25350

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: LCS 220-25350/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 1353
Date Prepared: 03/19/2009 1230

Analysis Batch: 220-25392
Prep Batch: 220-25350
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_20 Mar
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.937	0.894	95	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Method Blank - Batch: 220-25371

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 220-25371/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 0930
Date Prepared: N/A

Analysis Batch: 220-25371
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Total Suspended Solids	1.0	U	0.12	1.0

Lab Control Spike - Batch: 220-25371

Method: SM 2540D
Preparation: N/A

Lab Sample ID: LCS 220-25371/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 0934
Date Prepared: N/A

Analysis Batch: 220-25371
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	225	225.0	100	72 - 107	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Method Blank - Batch: 220-25373

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: MB 220-25373/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 0931
Date Prepared: N/A

Analysis Batch: 220-25373
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Amenable	10	U	2.3	10
Cyanide, Non-amenable	10	U	2.3	10
Cyanide, Total	10	U	2.3	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8425-1
Sdg Number: 220-8425

Method Blank - Batch: 220-25375

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: MB 220-25375/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 0949
Date Prepared: N/A

Analysis Batch: 220-25375
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Result	Qual	RL	RL
pH	5.13		0.100	0.100

Duplicate - Batch: 220-25375

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: 220-8425-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/20/2009 0957
Date Prepared: N/A

Analysis Batch: 220-25375
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.69	7.740	1	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

MISCELLANEOUS DOCUMENTS

Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8425

TAL-0015 (0508)

Client: NYSEG
Address:
City: State: Zip Code:
Project Name and Location (State): Mechanicville M.G.P., NY
Contract/Purchase Order/Project No.: 94560

Project Manager: Tracy Blazicek
Telephone Number (Area Code)/Fax Number/e-mail address: 607-762-8834
Site Contact: SB Matthew Thorpe 428-4383
Lab Contact:
Sample Disposal: ☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Date: 3/17/09
Field Telephone Number:
Chain of Custody Number: 014772
Page 1 of 3

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	Analysis: +ACN	+PAH	+BTEX	-IPHENOLS	-TSS	+pH	+Phenol	Comments
MCFT WWNA 039	3/17/09	1430	X									X		X			X			Waste Water Batch 13
MCFT WWNA 039	3/17/09	1430	X									X		X						
MCFT WWNA 039	3/17/09	1430	X									X					X			
MCFT WWNA 039	3/17/09	1430	X									X						X		
MCFT WWNA 039	3/17/09	1430	X				X								X					
MCFT WWNA 039	3/17/09	1430	X							X			X							
MCFT WWNA 039	3/17/09	1430	X							X			X							
MCFT WWNA 039	3/17/09	1430	X						X						X					
MCFT WWNA 039	3/17/09	1430	X						X						X					
MCFT WWNA 039	3/17/09	1430	X					X											X	

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

1. Relinquished By: [signature] Date: 3/17/09 Time: 1615
2. Relinquished By: Date: Time:
3. Received By: Date: Time:

1. Received By: Date: Time:
2. Received By: [signature] Date: 3/18/09 Time: 1000

Cooler Temps: 3.8°C, 6.0°C

Passed Rad. Screen (Lab Use Only): ☑ Yes ☐ No

Comments:

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

03/27/2009

Page 3 of 3

Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8425

TAL-0015 (0508)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	3/17/09	014773
Address	**Telephone Number (Area Code)/Fax Number/e-mail address**	**Field Telephone Number**	**Page** 2 of 3
	607-762-8834		
City / **State** / **Zip Code**	**Site Contact** Matthew Thorpe 518-420-4383	**Lab Contact**	
Project Name and Location (State)	**Sample Disposal** ☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)		
Mechanicville M.G.P., NY			
Contract/Purchase Order/Project No.			
94560			

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	PAH	BTEX	TPH ENVOLS	Comments
MCFT WWNA 040	3/17/09	1436	X									X	X			Between
MCFT WWNA 040	3/17/09	1436	X									X	X			Carbons
MCFT WWNA 040	3/17/09	1430	X						X					X		
MCFT WWNA 040	3/17/09	1430	X						X					X		
MCFT WWNA 040	3/17/09	1430	X				X								X	
MCFT WWNA 041	3/17/09	1430	X									X	X			Clay
MCFT WWNA 041	3/17/09	1430	X									X	X			
MCFT WWNA 041	3/17/09	1430	X						X					X		
MCFT WWNA 041	3/17/09	1430	X						X					X		
MCFT WWNA 041	3/17/09	1430	X				X								X	

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

1. Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	3/17/09	1615			
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
			[signature]	3/18/09	1000
3. Received By	**Date**	**Time**	**Cooler Temps**	**Passed Rad. Screen (Lab Use Only)**	
			3.8°C, 6.0°C	☑ Yes ☐ No	

Comments

03/25/2009

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8425

TAL-0015 (0508)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	3/17/09	014774
Address	Telephone Number (Area Code)/Fax Number/e-mail address	Field Telephone Number	Page 3 of 3
	607-762-8834		
City / State / Zip Code	Site Contact / Lab Contact		
	Matthew Thorpe 518-428-4383		
Project Name and Location (State)	Sample Disposal: ☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)		
Mechanicville M.G.P., NY			
Contract/Purchase Order/Project No.			
94560			

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	Analysis: PAH	BTEX	TPHENOLS	Comments
MCFT WWNA 042	3/17/09	1430	X									X	X			Influent
MCFT WWNA 042	3/17/09	1430	X									X	X			
MCFT WWNA 042	3/17/09	1430	X						X					X		
MCFT WWNA 042	3/17/09	1430	X						X					X		
MCFT WWNA 042	3/17/09	1430	X				X								X	
Trip Blank																
Trip Blank received, added by (KB) 3/18/09																

Page 39 of 44

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

	Date	Time
1. Relinquished By: (KB)	3/17/09	1615
2. Relinquished By:		
3. Received By:		

	Date	Time
1. Received By:		
2. Received By:	3/18/09	1000

Cooler Temps: 3.8°C, 6.0°C

Passed Rad. Screen (Lab Use Only): ☑ Yes ☐ No

Comments

03/25/2009

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TestAmerica - Connecticut
Internal Chain-of-Custody

220-8425
AECOM - NYSEG Mechanicsville Disch

Trip Blank: 5

48 hr tat

QC: Air:

Date Received: 3/18/09

Sample #s: 1-4, 5

FB:

Locations: 89D, R-1C

Soil: Water: 1-5

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-4	ILB		3-18	11:06	EXT	See			
1	ILB		3/18	1115			ILB	3/18	1300
1-5	ILB		3/19/09	9-00	VOA	Used			
1-4	ILB		3/19	1035	PHENOLS		ILB	3/19	1430
1	ILB		3/19	1130	MTR		ILB	3/19	1636
1	ILB		3/20	9:10	pH - TSS		ILB	3/20	12:00
1-5	ILB		3/20/09	18:00	VOA	Used			

TESTAMERICA CONNECTICUT
PRESERVATIVE RECORD

Job Number:

Client:

Client Project:

Lab Number	Preservative	pH	Adjustment (mLs)	pH after Adjustment	Preservative Lot Number	Initials	Date
8425 - 01	H_2SO_4	<2	N/A	N/A	N/A	KLB	3/18/09
02	"	<2	"	"	"	"	"
03	"	<2	"	"	"	"	"
04	"	<2	"	"	"	"	"
01	HNO_3	<2	"	"	"	"	"
01	NaOH	>12	"	"	"	"	"
01	"	>12	"	"	"	"	"

3/18/09

TestAmerica Connecticut — GC-GC/MS Extract Chain of Custody

JOB NO: 220-8425

Fraction: (BNA) / Pesticide-PCB / Herbicide / O/P Pesticide / DRO / CT ETPH / Other
(Circle one)

SAMPLE IN (Extractions)					SAMPLE IN (Extractions)				
Sample(s)	Date	Time	Sign.	Location	Sample(s)	Date	Time	Sign.	Location
1-3, 5 4	3/18/09	13:45	JR	36					

SAMPLE OUT					SAMPLE IN			
Sample(s)	Date	Time	Code	Sign.	Date	Time	Location	Sign.
1-4	03/18	13:45	AN	SS	03/18	16:00	36	SS
1-4	03/19	9:00	AN	SS	03/19	16:00	36	SS
4	03/20	9:00	AN	SS	03/20	9:30	36	SS

Codes: SC = Screening AN = Analysis

Verified By: _____ Date: 3/20/09

Lab Form: SMF01203.CT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA CONNECTICUT - CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 8425 **Sample Numbers:** 1

Prep Batch Number: 25351

(WATER) SOIL - SLUDGE - TCLP/SPLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the transfer of these digestates to the metals instrument lab.:

Sample Prep:

[signature]	3/19/09	**ICP**
Analysts	Date(s)	
		Mercury
Analysts	Date(s)	

I confirm that I have performed the analysis below following SOP guidelines:

Analysis:

[signature]	3/24/09	**ICP**
Analysts	Date(s)	
		Mercury
Chemist	Date(s)	

I have reviewed and authorized the release of the job:

Complete: [signature] 3/24/09
Supervisor Date

QAF02602.CT

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8425-1
SDG Number: 220-8425

Login Number: 8425
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	Trip Blank was not listed on the coc.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8507-1

SDG Number: 220-8507

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
3/27/2009 4:05 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
03/27/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Madumadu, Dave	DM
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8507-1	MCFT WWNA 043	Water	03/24/2009 1100	03/25/2009 1000
220-8507-2	MCFT WWNA 044	Water	03/24/2009 1100	03/25/2009 1000
220-8507-3	MCFT WWNA 045	Water	03/24/2009 1100	03/25/2009 1000
220-8507-4	MCFT WWNA 046	Water	03/24/2009 1100	03/25/2009 1000
220-8507-5TB	TEST BLANK	Water	03/24/2009 0000	03/25/2009 1000

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Client Sample ID: **MCFT WWNA 043**

Lab Sample ID: 220-8507-1
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/25/2009 2320
Date Prepared: N/A

Analysis Batch: 220-25581

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6709.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	60 - 127
4-Bromofluorobenzene	83	47 - 120
Toluene-d8 (Surr)	95	83 - 120

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Client Sample ID: **MCFT WWNA 044**

Lab Sample ID: 220-8507-2
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/25/2009 2254
Date Prepared: N/A

Analysis Batch: 220-25581

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6708.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	60 - 127
4-Bromofluorobenzene	82	47 - 120
Toluene-d8 (Surr)	94	83 - 120

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Client Sample ID: **MCFT WWNA 045**

Lab Sample ID: 220-8507-3
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/25/2009 2227
Date Prepared: N/A

Analysis Batch: 220-25581

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6707.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	47		0.090	5.0
Toluene	5.6		0.15	5.0
Ethylbenzene	1.2	J	0.26	5.0
Xylenes, Total	0.91	J	0.53	5.0
m&p-Xylene	0.48	J	0.34	10
o-Xylene	0.43	J	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88	60 - 127
4-Bromofluorobenzene	84	47 - 120
Toluene-d8 (Surr)	93	83 - 120

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Client Sample ID: **MCFT WWNA 046**

Lab Sample ID: 220-8507-4
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/25/2009 2051
Date Prepared: N/A

Analysis Batch: 220-25581

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6704.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	65		0.090	5.0
Toluene	76		0.15	5.0
Ethylbenzene	89		0.26	5.0
Xylenes, Total	130		0.53	5.0
m&p-Xylene	80		0.34	10
o-Xylene	46		0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	60 - 127
4-Bromofluorobenzene	98	47 - 120
Toluene-d8 (Surr)	94	83 - 120

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Client Sample ID: **TEST BLANK**

Lab Sample ID: 220-8507-5TB
Client Matrix: Water

Date Sampled: 03/24/2009 0000
Date Received: 03/25/2009 1000

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 03/25/2009 1943
Date Prepared: N/A

Analysis Batch: 220-25581

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6702.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	60 - 127
4-Bromofluorobenzene	79	47 - 120
Toluene-d8 (Surr)	92	83 - 120

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Client Sample ID: **MCFT WWNA 043**

Lab Sample ID: 220-8507-1
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/25/2009 1757
Date Prepared: 03/25/2009 1306

Analysis Batch: 220-25565
Prep Batch: 220-25509

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10115.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	52		42 - 103
Nitrobenzene-d5	52		42 - 108
Terphenyl-d14	53	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Client Sample ID: **MCFT WWNA 044**

Lab Sample ID: 220-8507-2
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/25/2009 1823
Date Prepared: 03/25/2009 1306

Analysis Batch: 220-25565
Prep Batch: 220-25509

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10116.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	64		42 - 103
Nitrobenzene-d5	65		42 - 108
Terphenyl-d14	58	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Client Sample ID: **MCFT WWNA 045**

Lab Sample ID: 220-8507-3
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/25/2009 1849
Date Prepared: 03/25/2009 1306

Analysis Batch: 220-25565
Prep Batch: 220-25509

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10117.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	0.63	J	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	1.1	J	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	49		42 - 103
Nitrobenzene-d5	49		42 - 108
Terphenyl-d14	47	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Client Sample ID: **MCFT WWNA 046**

Lab Sample ID: 220-8507-4
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 03/25/2009 1915
Date Prepared: 03/25/2009 1306

Analysis Batch: 220-25565
Prep Batch: 220-25509

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10118.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	79		0.31	4.0
Acenaphthylene	66		0.34	4.0
Anthracene	13		0.29	4.0
Benzo[a]anthracene	1.7	J	0.30	4.0
Benzo[a]pyrene	1.4	J	0.35	4.0
Benzo[b]fluoranthene	1.0	J	0.36	4.0
Benzo[g,h,i]perylene	0.67	J	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	1.3	J	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	6.6		0.31	4.0
Fluorene	42		0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	120	E	0.30	4.0
Phenanthrene	57		0.28	4.0
Pyrene	9.9		0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	53		42 - 103
Nitrobenzene-d5	57		42 - 108
Terphenyl-d14	52	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Client Sample ID: **MCFT WWNA 043**

Lab Sample ID: 220-8507-1
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 03/26/2009 1708
Date Prepared: 03/26/2009 1044

Analysis Batch: 220-25585
Prep Batch: 220-25545

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	61		0.20	5.0
Cadmium	5.0	U	0.70	5.0
Chromium	5.0	U	0.46	5.0
Copper	1.8	J	1.2	5.0
Iron	300		12	120
Manganese	79		0.14	8.0
Nickel	1.5	J	0.70	5.0
Lead	2.6	J	2.2	15
Zinc	7.8	J	4.1	25

General Chemistry

Client Sample ID: **MCFT WWNA 043**

Lab Sample ID: 220-8507-1
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	2.0		mg/L	0.12	1.0	1.0	SM 2540D
Anly Batch: 220-25496	Date Analyzed			03/25/2009 1701			
Phenolics, Total Recoverable	0.0025	J	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25616	Date Analyzed			03/27/2009 1249			
Prep Batch: 220-25577	Date Prepared:			03/26/2009 1330			
Cyanide, Amenable	10	U	ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-25626	Date Analyzed			03/27/2009 1438			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.41	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-25524	Date Analyzed			03/25/2009 1647			

Client Sample ID: **MCFT WWNA 044**

Lab Sample ID: 220-8507-2
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0044	J	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25616	Date Analyzed			03/27/2009 1252			
Prep Batch: 220-25577	Date Prepared:			03/26/2009 1330			

Client Sample ID: **MCFT WWNA 045**

Lab Sample ID: 220-8507-3
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.016		mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25616	Date Analyzed			03/27/2009 1253			
Prep Batch: 220-25577	Date Prepared:			03/26/2009 1330			

Client Sample ID: **MCFT WWNA 046**

Lab Sample ID: 220-8507-4
Client Matrix: Water

Date Sampled: 03/24/2009 1100
Date Received: 03/25/2009 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.030		mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25616	Date Analyzed			03/27/2009 1254			
Prep Batch: 220-25577	Date Prepared:			03/26/2009 1330			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8507-1
Sdg Number: 220-8507

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	*	Surrogate exceeds the control limit
	E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8507-1
SDG Number: 220-8507

Login Number: 8507
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8593-1

SDG Number: 220-8593

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
4/3/2009 4:45 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
04/03/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Szymczuk, Magdalena	MS
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8593-1	MCFT WWNA 047	Water	03/31/2009 1345	04/01/2009 0950
220-8593-2	MCFT WWNA 048	Water	03/31/2009 1345	04/01/2009 0950
220-8593-3	MCFT WWNA 049	Water	03/31/2009 1345	04/01/2009 0950
220-8593-4	MCFT WWNA 050	Water	03/31/2009 1345	04/01/2009 0950
220-8593-5TB	TRIP BLANK	Water	03/31/2009 1345	04/01/2009 0950

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Client Sample ID: **MCFT WWNA 047**

Lab Sample ID: 220-8593-1
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/01/2009 1803
Date Prepared: N/A

Analysis Batch: 220-25828

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6723.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	60 - 127
4-Bromofluorobenzene	83	47 - 120
Toluene-d8 (Surr)	93	83 - 120

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Client Sample ID: **MCFT WWNA 048**

Lab Sample ID: 220-8593-2
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/01/2009 1830
Date Prepared: N/A

Analysis Batch: 220-25828

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6724.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	60 - 127
4-Bromofluorobenzene	82	47 - 120
Toluene-d8 (Surr)	92	83 - 120

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Client Sample ID: **MCFT WWNA 049**

Lab Sample ID: 220-8593-3
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/01/2009 1856
Date Prepared: N/A

Analysis Batch: 220-25828

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6725.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	20		0.090	5.0
Toluene	2.6	J	0.15	5.0
Ethylbenzene	0.69	J	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	60 - 127
4-Bromofluorobenzene	83	47 - 120
Toluene-d8 (Surr)	94	83 - 120

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Client Sample ID: **MCFT WWNA 050**

Lab Sample ID: 220-8593-4
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/01/2009 2019
Date Prepared: N/A

Analysis Batch: 220-25828

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6728.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	11		0.090	5.0
Toluene	7.2		0.15	5.0
Ethylbenzene	24		0.26	5.0
Xylenes, Total	32		0.53	5.0
m&p-Xylene	16		0.34	10
o-Xylene	15		0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	60 - 127
4-Bromofluorobenzene	93	47 - 120
Toluene-d8 (Surr)	94	83 - 120

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 220-8593-5TB
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/01/2009 1736
Date Prepared: N/A

Analysis Batch: 220-25828

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6722.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	60 - 127
4-Bromofluorobenzene	81	47 - 120
Toluene-d8 (Surr)	92	83 - 120

Analytical Data

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Client Sample ID: **MCFT WWNA 047**

Lab Sample ID: 220-8593-1
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/02/2009 1802
Date Prepared: 04/01/2009 1327

Analysis Batch: 220-25820
Prep Batch: 220-25733

Instrument ID: HP 6890/5975
Lab File ID: Ax4474.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	65	42 - 103
Nitrobenzene-d5	65	42 - 108
Terphenyl-d14	76	63 - 129

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Client Sample ID: **MCFT WWNA 048**

Lab Sample ID: 220-8593-2
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/02/2009 1828
Date Prepared: 04/01/2009 1327

Analysis Batch: 220-25820
Prep Batch: 220-25733

Instrument ID: HP 6890/5975
Lab File ID: Ax4475.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	58	42 - 103
Nitrobenzene-d5	61	42 - 108
Terphenyl-d14	71	63 - 129

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Client Sample ID: **MCFT WWNA 049**

Lab Sample ID: 220-8593-3
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/02/2009 1854
Date Prepared: 04/01/2009 1327

Analysis Batch: 220-25820
Prep Batch: 220-25733

Instrument ID: HP 6890/5975
Lab File ID: Ax4476.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	52	42 - 103
Nitrobenzene-d5	53	42 - 108
Terphenyl-d14	68	63 - 129

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Client Sample ID: **MCFT WWNA 050**

Lab Sample ID: 220-8593-4
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 2.0
Date Analyzed: 04/03/2009 0818
Date Prepared: 04/01/2009 1327

Analysis Batch: 220-25820
Prep Batch: 220-25733

Instrument ID: HP 6890/5975
Lab File ID: Ax4491.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	83		0.62	8.0
Acenaphthylene	11		0.68	8.0
Anthracene	6.7	J	0.58	8.0
Benzo[a]anthracene	1.5	J	0.60	8.0
Benzo[a]pyrene	1.4	J	0.70	8.0
Benzo[b]fluoranthene	8.0	U	0.72	8.0
Benzo[g,h,i]perylene	8.0	U	0.72	8.0
Benzo[k]fluoranthene	8.0	U	0.80	8.0
Chrysene	1.2	J	0.50	8.0
Dibenz(a,h)anthracene	8.0	U	0.76	8.0
Fluoranthene	5.9	J	0.62	8.0
Fluorene	27		0.52	8.0
Indeno[1,2,3-cd]pyrene	8.0	U	0.56	8.0
Naphthalene	44		0.60	8.0
Phenanthrene	8.5		0.56	8.0
Pyrene	8.5		0.66	8.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	68	42 - 103
Nitrobenzene-d5	63	42 - 108
Terphenyl-d14	76	63 - 129

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Client Sample ID: **MCFT WWNA 047**

Lab Sample ID: 220-8593-1
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 04/02/2009 1419
Date Prepared: 04/01/2009 1325

Analysis Batch: 220-25809
Prep Batch: 220-25754

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	59		0.20	5.0
Cadmium	1.4	J	0.70	5.0
Chromium	5.0	U	0.46	5.0
Copper	5.0	U	1.2	5.0
Iron	72	J	12	120
Manganese	130		0.14	8.0
Nickel	1.4	J	0.70	5.0
Lead	3.0	J	2.2	15
Zinc	6.8	J	4.1	25

General Chemistry

Client Sample ID: **MCFT WWNA 047**

Lab Sample ID: 220-8593-1
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	0.25	J	mg/L	0.16	1.2	1.0	SM 2540D
Anly Batch: 220-25787	Date Analyzed			04/02/2009 1534			
Phenolics, Total Recoverable	0.0033	J	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25808	Date Analyzed			04/02/2009 1531			
Prep Batch: 220-25801	Date Prepared:			04/02/2009 1130			
Cyanide, Amenable	10	U	ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-25852	Date Analyzed			04/03/2009 1432			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.74	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-25816	Date Analyzed			04/02/2009 1122			

Client Sample ID: **MCFT WWNA 048**

Lab Sample ID: 220-8593-2
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0030	J	mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25808	Date Analyzed			04/02/2009 1533			
Prep Batch: 220-25801	Date Prepared:			04/02/2009 1130			

Client Sample ID: **MCFT WWNA 049**

Lab Sample ID: 220-8593-3
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0084		mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25808	Date Analyzed			04/02/2009 1534			
Prep Batch: 220-25801	Date Prepared:			04/02/2009 1130			

Client Sample ID: **MCFT WWNA 050**

Lab Sample ID: 220-8593-4
Client Matrix: Water

Date Sampled: 03/31/2009 1345
Date Received: 04/01/2009 0950

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.025		mg/L	0.0011	0.0050	1.0	420.4
Anly Batch: 220-25808	Date Analyzed			04/02/2009 1535			
Prep Batch: 220-25801	Date Prepared:			04/02/2009 1130			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8593-1
Sdg Number: 220-8593

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8593-1
SDG Number: 220-8593

Login Number: 8593
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	Bags of ice/water in coolers.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	6.8c,4.2c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	False	Both TB vials have bubble >6mm.
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8727-1

SDG Number: 220-8727

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
4/14/2009 5:45 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
04/14/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Szymczuk, Magdalena	MS
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8727-1	MCFT WWNA 051	Water	04/09/2009 1430	04/10/2009 0955
220-8727-2	MCFT WWNA 052	Water	04/09/2009 1430	04/10/2009 0955
220-8727-3	MCFT WWNA 053	Water	04/09/2009 1430	04/10/2009 0955
220-8727-4	MCFT WWNA 054	Water	04/09/2009 1430	04/10/2009 0955
220-8727-5TB	TRIP BLANKS	Water	04/09/2009 1430	04/10/2009 0955

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Client Sample ID: **MCFT WWNA 051**

Lab Sample ID: 220-8727-1
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/10/2009 1630
Date Prepared: N/A

Analysis Batch: 220-26190

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6844.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118	60 - 127
4-Bromofluorobenzene	70	47 - 120
Toluene-d8 (Surr)	97	83 - 120

Analytical Data

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Client Sample ID: **MCFT WWNA 052**

Lab Sample ID: 220-8727-2
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/10/2009 1656
Date Prepared: N/A

Analysis Batch: 220-26190

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6845.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	124	60 - 127
4-Bromofluorobenzene	69	47 - 120
Toluene-d8 (Surr)	96	83 - 120

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Client Sample ID: **MCFT WWNA 053**

Lab Sample ID: 220-8727-3
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/10/2009 1723
Date Prepared: N/A

Analysis Batch: 220-26190

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6846.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.20	J	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	60 - 127
4-Bromofluorobenzene	70	47 - 120
Toluene-d8 (Surr)	96	83 - 120

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Client Sample ID: **MCFT WWNA 054**

Lab Sample ID: 220-8727-4
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/10/2009 1853
Date Prepared: N/A

Analysis Batch: 220-26190

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6849.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	29		0.090	5.0
Toluene	28		0.15	5.0
Ethylbenzene	46		0.26	5.0
Xylenes, Total	66		0.53	5.0
m&p-Xylene	42		0.34	10
o-Xylene	24		0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	60 - 127
4-Bromofluorobenzene	97	47 - 120
Toluene-d8 (Surr)	97	83 - 120

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Client Sample ID: **TRIP BLANKS**

Lab Sample ID: 220-8727-5TB
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/10/2009 1603
Date Prepared: N/A

Analysis Batch: 220-26190

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6843.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	60 - 127
4-Bromofluorobenzene	72	47 - 120
Toluene-d8 (Surr)	96	83 - 120

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Client Sample ID: **MCFT WWNA 051**

Lab Sample ID: 220-8727-1
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/11/2009 0033
Date Prepared: 04/10/2009 1142

Analysis Batch: 220-26158
Prep Batch: 220-26084

Instrument ID: HP 6890/5975
Lab File ID: Ax4644.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	61	42 - 103
Nitrobenzene-d5	63	42 - 108
Terphenyl-d14	63	63 - 129

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Client Sample ID: **MCFT WWNA 052**

Lab Sample ID: 220-8727-2
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/11/2009 0059
Date Prepared: 04/10/2009 1142

Analysis Batch: 220-26158
Prep Batch: 220-26084

Instrument ID: HP 6890/5975
Lab File ID: Ax4645.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	62	42 - 103
Nitrobenzene-d5	65	42 - 108
Terphenyl-d14	66	63 - 129

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Client Sample ID: **MCFT WWNA 053**

Lab Sample ID: 220-8727-3
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/11/2009 0126
Date Prepared: 04/10/2009 1142

Analysis Batch: 220-26158
Prep Batch: 220-26084

Instrument ID: HP 6890/5975
Lab File ID: Ax4646.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	58		42 - 103
Nitrobenzene-d5	59		42 - 108
Terphenyl-d14	59	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Client Sample ID: **MCFT WWNA 054**

Lab Sample ID: 220-8727-4
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 10
Date Analyzed: 04/13/2009 2056
Date Prepared: 04/10/2009 1142

Analysis Batch: 220-26175
Prep Batch: 220-26084

Instrument ID: HP 6890/5975
Lab File ID: Ax4668.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	73		3.1	40
Acenaphthylene	20	J	3.4	40
Anthracene	6.8	J	2.9	40
Benzo[a]anthracene	40	U	3.0	40
Benzo[a]pyrene	40	U	3.5	40
Benzo[b]fluoranthene	40	U	3.6	40
Benzo[g,h,i]perylene	40	U	3.6	40
Benzo[k]fluoranthene	40	U	4.0	40
Chrysene	40	U	2.5	40
Dibenz(a,h)anthracene	40	U	3.8	40
Fluoranthene	40	U	3.1	40
Fluorene	26	J	2.6	40
Indeno[1,2,3-cd]pyrene	40	U	2.8	40
Naphthalene	250		3.0	40
Phenanthrene	33	J	2.8	40
Pyrene	5.1	J	3.3	40

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	61		42 - 103
Nitrobenzene-d5	56		42 - 108
Terphenyl-d14	44	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Client Sample ID: **MCFT WWNA 051**

Lab Sample ID: 220-8727-1
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 04/14/2009 1357
Date Prepared: 04/13/2009 1104

Analysis Batch: 220-26230
Prep Batch: 220-26147

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	52		0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	2.2	J	1.5	5.0
Iron	37	J	15	120
Manganese	150		0.25	8.0
Nickel	2.1	J	1.0	5.0
Lead	15	U	2.5	15
Zinc	6.3	J	5.0	25

General Chemistry

Client Sample ID: **MCFT WWNA 051**

Lab Sample ID: 220-8727-1
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	1.0	J	mg/L	0.16	1.2	1.0	SM 2540D
Anly Batch: 220-26041	Date Analyzed			04/10/2009 1003			
Phenolics, Total Recoverable	0.0041	J	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26177	Date Analyzed			04/13/2009 1530			
Prep Batch: 220-26133	Date Prepared:			04/11/2009 1210			
Cyanide, Amenable	10	U	ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-26204	Date Analyzed			04/14/2009 1109			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.54	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-26130	Date Analyzed			04/10/2009 1613			

Client Sample ID: **MCFT WWNA 052**

Lab Sample ID: 220-8727-2
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.017		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26177	Date Analyzed			04/13/2009 1532			
Prep Batch: 220-26133	Date Prepared:			04/11/2009 1210			

Client Sample ID: **MCFT WWNA 053**

Lab Sample ID: 220-8727-3
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0051		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26177	Date Analyzed			04/13/2009 1533			
Prep Batch: 220-26133	Date Prepared:			04/11/2009 1210			

Client Sample ID: **MCFT WWNA 054**

Lab Sample ID: 220-8727-4
Client Matrix: Water

Date Sampled: 04/09/2009 1430
Date Received: 04/10/2009 0955

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.037		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26177	Date Analyzed			04/13/2009 1534			
Prep Batch: 220-26133	Date Prepared:			04/11/2009 1210			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8727-1
Sdg Number: 220-8727

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	*	Surrogate exceeds the control limit
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8727-1
SDG Number: 220-8727

Login Number: 8727
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8850-1

SDG Number: 220-8850

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
4/28/2009 1:02 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
04/28/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 625	Szymczuk, Magdalena	MS
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8850-1	MCFT WWNA 055	Water	04/21/2009 1400	04/22/2009 0930
220-8850-2	MCFT WWNA 056	Water	04/21/2009 1400	04/22/2009 0930
220-8850-3	MCFT WWNA 057	Water	04/21/2009 1400	04/22/2009 0930
220-8850-4	MCFT WWNA 058	Water	04/21/2009 1400	04/22/2009 0930
220-8850-5TB	Trip Blank	Water	04/21/2009 1400	04/22/2009 0930

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Client Sample ID: **MCFT WWNA 055**

Lab Sample ID: 220-8850-1
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/27/2009 2048
Date Prepared: N/A

Analysis Batch: 220-26653

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6978.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	60 - 127
4-Bromofluorobenzene	78	47 - 120
Toluene-d8 (Surr)	93	83 - 120

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Client Sample ID: **MCFT WWNA 056**

Lab Sample ID: 220-8850-2
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/27/2009 2115
Date Prepared: N/A

Analysis Batch: 220-26653

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6979.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	60 - 127
4-Bromofluorobenzene	81	47 - 120
Toluene-d8 (Surr)	94	83 - 120

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Client Sample ID: **MCFT WWNA 057**

Lab Sample ID: 220-8850-3
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/27/2009 2141
Date Prepared: N/A

Analysis Batch: 220-26653

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6980.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.12	J	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	60 - 127
4-Bromofluorobenzene	79	47 - 120
Toluene-d8 (Surr)	96	83 - 120

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Client Sample ID: **MCFT WWNA 058**

Lab Sample ID: 220-8850-4
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/27/2009 2208
Date Prepared: N/A

Analysis Batch: 220-26653

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6981.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.1	J	0.090	5.0
Toluene	3.6	J	0.15	5.0
Ethylbenzene	6.6		0.26	5.0
Xylenes, Total	8.9		0.53	5.0
m&p-Xylene	5.5	J	0.34	10
o-Xylene	3.4	J	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	60 - 127
4-Bromofluorobenzene	88	47 - 120
Toluene-d8 (Surr)	96	83 - 120

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Client Sample ID: **Trip Blank**

Lab Sample ID: 220-8850-5TB
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/27/2009 2022
Date Prepared: N/A

Analysis Batch: 220-26653

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y6977.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	60 - 127
4-Bromofluorobenzene	80	47 - 120
Toluene-d8 (Surr)	94	83 - 120

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Client Sample ID: **MCFT WWNA 055**

Lab Sample ID: 220-8850-1
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/24/2009 1204
Date Prepared: 04/22/2009 1118

Analysis Batch: 220-26589
Prep Batch: 220-26479

Instrument ID: HP 6890/5975
Lab File ID: Cx10792.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	46		42 - 103
Nitrobenzene-d5	50		42 - 108
Terphenyl-d14	41	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Client Sample ID: **MCFT WWNA 056**

Lab Sample ID: 220-8850-2
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/28/2009 0025
Date Prepared: 04/27/2009 0906

Analysis Batch: 220-26641
Prep Batch: 220-26606

Instrument ID: HP 6890/5975
Lab File ID: Cx10852.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	62	42 - 103
Nitrobenzene-d5	66	42 - 108
Terphenyl-d14	63	63 - 129

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Client Sample ID: **MCFT WWNA 057**

Lab Sample ID: 220-8850-3
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/24/2009 1258
Date Prepared: 04/22/2009 1118

Analysis Batch: 220-26589
Prep Batch: 220-26479

Instrument ID: HP 6890/5975
Lab File ID: Cx10794.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	42		42 - 103
Nitrobenzene-d5	45		42 - 108
Terphenyl-d14	31	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Client Sample ID: **MCFT WWNA 058**

Lab Sample ID: 220-8850-4
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/24/2009 1325
Date Prepared: 04/22/2009 1118

Analysis Batch: 220-26589
Prep Batch: 220-26479

Instrument ID: HP 6890/5975
Lab File ID: Cx10795.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	18		0.31	4.0
Acenaphthylene	2.3	J	0.34	4.0
Anthracene	3.9	J	0.29	4.0
Benzo[a]anthracene	0.88	J	0.30	4.0
Benzo[a]pyrene	0.69	J	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	0.74	J	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	3.2	J	0.31	4.0
Fluorene	11		0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	8.8		0.28	4.0
Pyrene	4.1		0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	44		42 - 103
Nitrobenzene-d5	59		42 - 108
Terphenyl-d14	29	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Client Sample ID: **MCFT WWNA 055**

Lab Sample ID: 220-8850-1
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 04/24/2009 1602
Date Prepared: 04/24/2009 1136

Analysis Batch: 220-26588
Prep Batch: 220-26578

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	100		0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.8		1.5	5.0
Iron	160		15	120
Manganese	160		0.25	8.0
Nickel	1.1	J	1.0	5.0
Lead	15	U	2.5	15
Zinc	10	J	5.0	25

General Chemistry

Client Sample ID: **MCFT WWNA 055**

Lab Sample ID: 220-8850-1
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	5.8		mg/L	0.12	1.0	1.0	SM 2540D
Anly Batch: 220-26546	Date Analyzed			04/23/2009 1123			
Cyanide, Amenable	10	U	ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-26540	Date Analyzed			04/23/2009 1431			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.60	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-26556	Date Analyzed			04/23/2009 1717			

Client Sample ID: **MCFT WWNA 056**

Lab Sample ID: 220-8850-2
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26577	Date Analyzed			04/24/2009 1039			
Prep Batch: 220-26551	Date Prepared:			04/23/2009 1430			

Client Sample ID: **MCFT WWNA 057**

Lab Sample ID: 220-8850-3
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	J	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26577	Date Analyzed			04/24/2009 1042			
Prep Batch: 220-26551	Date Prepared:			04/23/2009 1430			

Client Sample ID: **MCFT WWNA 058**

Lab Sample ID: 220-8850-4
Client Matrix: Water

Date Sampled: 04/21/2009 1400
Date Received: 04/22/2009 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.055		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26577	Date Analyzed			04/24/2009 1043			
Prep Batch: 220-26551	Date Prepared:			04/23/2009 1430			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8850-1
Sdg Number: 220-8850

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	*	Surrogate exceeds the control limit
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8850-1
SDG Number: 220-8850

Login Number: 8850
List Source: TestAmerica Connecticut
Creator: Teixeira, Maria L
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	MCFT WWNA 055 500ML H2S04 WAS BROKEN
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-8923-1

SDG Number: 220-8923

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Joan Widomski
5/12/2009 2:06 PM

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
05/12/2009
Revision: 1

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) 9012B: The matrix spike for water batch QC for total cyanide was outside control limits. The associated distilled ICV, CCLV, LRA, PDS, and sample duplicate met acceptance criteria.

Method(s) SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. All associated samples have been qualified with the "HF" flag to indicate they were performed in the laboratory outside the 15 minute timeframe.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-8923-1	**MCFT WWNA 059**					
Barium		180		5.0	ug/L	200.7 Rev 4.4
Iron		71	J	120	ug/L	200.7 Rev 4.4
Manganese		180		8.0	ug/L	200.7 Rev 4.4
Nickel		2.1	J	5.0	ug/L	200.7 Rev 4.4
Zinc		7.1	J	25	ug/L	200.7 Rev 4.4
Total Suspended Solids		0.50	J	1.2	mg/L	SM 2540D
pH		7.79	HF	0.100	SU	SM 4500 H+ B
220-8923-2	**MCFT WWNA 060**					
Benzene		0.29	J	5.0	ug/L	624
Toluene		2.1	J	5.0	ug/L	624
Ethylbenzene		0.46	J	5.0	ug/L	624
Xylenes, Total		0.58	J	5.0	ug/L	624
m&p-Xylene		0.35	J	10	ug/L	624
220-8923-3	**MCFT WWNA 061**					
Benzene		2.2	J	5.0	ug/L	624
Toluene		1.7	J	5.0	ug/L	624
Ethylbenzene		1.6	J	5.0	ug/L	624
Xylenes, Total		2.0	J	5.0	ug/L	624
m&p-Xylene		1.3	J	10	ug/L	624
o-Xylene		0.75	J	5.0	ug/L	624
Acenaphthene		0.70	J	4.0	ug/L	625
220-8923-4	**MCFT WWNA 062**					
Benzene		0.43	J	5.0	ug/L	624
Toluene		0.93	J	5.0	ug/L	624
Ethylbenzene		1.3	J	5.0	ug/L	624
Xylenes, Total		3.0	J	5.0	ug/L	624
m&p-Xylene		1.5	J	10	ug/L	624
o-Xylene		1.6	J	5.0	ug/L	624
Acenaphthene		14		4.0	ug/L	625
Acenaphthylene		1.4	J	4.0	ug/L	625
Anthracene		2.4	J	4.0	ug/L	625
Benzo[a]anthracene		0.77	J	4.0	ug/L	625
Benzo[a]pyrene		0.72	J	4.0	ug/L	625
Chrysene		0.66	J	4.0	ug/L	625
Fluoranthene		3.1	J	4.0	ug/L	625
Fluorene		3.3	J	4.0	ug/L	625
Pyrene		4.7		4.0	ug/L	625
Phenolics, Total Recoverable		0.014		0.0050	mg/L	420.4

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-8923-1	MCFT WWNA 059	Water	04/28/2009 1400	04/29/2009 0945
220-8923-2	MCFT WWNA 060	Water	04/28/2009 1400	04/29/2009 0945
220-8923-3	MCFT WWNA 061	Water	04/28/2009 1400	04/29/2009 0945
220-8923-4	MCFT WWNA 062	Water	04/28/2009 1400	04/29/2009 0945
220-8923-5TB	TRIP BLANKS	Water	04/28/2009 0000	04/29/2009 0945

SAMPLE RESULTS

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Client Sample ID: **MCFT WWNA 059**

Lab Sample ID: 220-8923-1
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/30/2009 1316
Date Prepared: N/A

Analysis Batch: 220-26750

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7015.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	60 - 127
4-Bromofluorobenzene	71	47 - 120
Toluene-d8 (Surr)	93	83 - 120

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Client Sample ID: **MCFT WWNA 060**

Lab Sample ID: 220-8923-2
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/30/2009 1343
Date Prepared: N/A

Analysis Batch: 220-26750

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7016.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.29	J	0.090	5.0
Toluene	2.1	J	0.15	5.0
Ethylbenzene	0.46	J	0.26	5.0
Xylenes, Total	0.58	J	0.53	5.0
m&p-Xylene	0.35	J	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	60 - 127
4-Bromofluorobenzene	71	47 - 120
Toluene-d8 (Surr)	91	83 - 120

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Client Sample ID: **MCFT WWNA 061**

Lab Sample ID: 220-8923-3
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/30/2009 1409
Date Prepared: N/A

Analysis Batch: 220-26750

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7017.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	2.2	J	0.090	5.0
Toluene	1.7	J	0.15	5.0
Ethylbenzene	1.6	J	0.26	5.0
Xylenes, Total	2.0	J	0.53	5.0
m&p-Xylene	1.3	J	0.34	10
o-Xylene	0.75	J	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	60 - 127
4-Bromofluorobenzene	76	47 - 120
Toluene-d8 (Surr)	93	83 - 120

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Client Sample ID: **MCFT WWNA 062**

Lab Sample ID: 220-8923-4
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/30/2009 1436
Date Prepared: N/A

Analysis Batch: 220-26750

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7018.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.43	J	0.090	5.0
Toluene	0.93	J	0.15	5.0
Ethylbenzene	1.3	J	0.26	5.0
Xylenes, Total	3.0	J	0.53	5.0
m&p-Xylene	1.5	J	0.34	10
o-Xylene	1.6	J	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	60 - 127
4-Bromofluorobenzene	78	47 - 120
Toluene-d8 (Surr)	93	83 - 120

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Client Sample ID: **TRIP BLANKS**

Lab Sample ID: 220-8923-5TB
Client Matrix: Water

Date Sampled: 04/28/2009 0000
Date Received: 04/29/2009 0945

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 04/30/2009 1249
Date Prepared: N/A

Analysis Batch: 220-26750

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7014.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	60 - 127
4-Bromofluorobenzene	72	47 - 120
Toluene-d8 (Surr)	93	83 - 120

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Client Sample ID: **MCFT WWNA 059**

Lab Sample ID: 220-8923-1
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/30/2009 2137
Date Prepared: 04/29/2009 1141

Analysis Batch: 220-26768
Prep Batch: 220-26676

Instrument ID: HP 6890/5975
Lab File ID: Cx10952.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	65		42 - 103
Nitrobenzene-d5	66		42 - 108
Terphenyl-d14	51	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Client Sample ID: **MCFT WWNA 060**

Lab Sample ID: 220-8923-2
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/30/2009 2204
Date Prepared: 04/29/2009 1141

Analysis Batch: 220-26768
Prep Batch: 220-26676

Instrument ID: HP 6890/5975
Lab File ID: Cx10953.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	54		42 - 103
Nitrobenzene-d5	58		42 - 108
Terphenyl-d14	36	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Client Sample ID: **MCFT WWNA 061**

Lab Sample ID: 220-8923-3
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/30/2009 2231
Date Prepared: 04/29/2009 1141

Analysis Batch: 220-26768
Prep Batch: 220-26676

Instrument ID: HP 6890/5975
Lab File ID: Cx10954.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	0.70	J	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	59		42 - 103
Nitrobenzene-d5	60		42 - 108
Terphenyl-d14	45	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Client Sample ID: **MCFT WWNA 062**

Lab Sample ID: 220-8923-4
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 04/30/2009 2257
Date Prepared: 04/29/2009 1141

Analysis Batch: 220-26768
Prep Batch: 220-26676

Instrument ID: HP 6890/5975
Lab File ID: Cx10955.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	14		0.31	4.0
Acenaphthylene	1.4	J	0.34	4.0
Anthracene	2.4	J	0.29	4.0
Benzo[a]anthracene	0.77	J	0.30	4.0
Benzo[a]pyrene	0.72	J	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	0.66	J	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	3.1	J	0.31	4.0
Fluorene	3.3	J	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.7		0.33	4.0

Surrogate	%Rec		Acceptance Limits
2-Fluorobiphenyl	55		42 - 103
Nitrobenzene-d5	66		42 - 108
Terphenyl-d14	34	*	63 - 129

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Client Sample ID: MCFT WWNA 059

Lab Sample ID: 220-8923-1
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 05/01/2009 1541
Date Prepared: 04/30/2009 1120

Analysis Batch: 220-26794
Prep Batch: 220-26725

Instrument ID: TJA Trace ICAP
Lab File ID: W050109
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	180		0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.0	U	1.5	5.0
Iron	71	J	15	120
Manganese	180		0.25	8.0
Nickel	2.1	J	1.0	5.0
Lead	15	U	2.5	15
Zinc	7.1	J	5.0	25

General Chemistry

Client Sample ID: MCFT WWNA 059

Lab Sample ID: 220-8923-1
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	0.50	J	mg/L	0.16	1.2	1.0	SM 2540D
Anly Batch: 220-26685	Date Analyzed			04/30/2009 1000			
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26735	Date Analyzed			04/30/2009 1438			
Prep Batch: 220-26703	Date Prepared:			04/29/2009 1400			
Cyanide, Amenable	10	U	ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-26782	Date Analyzed			05/01/2009 1228			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.79	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-26756	Date Analyzed			04/30/2009 1737			

Client Sample ID: MCFT WWNA 060

Lab Sample ID: 220-8923-2
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26735	Date Analyzed			04/30/2009 1438			
Prep Batch: 220-26703	Date Prepared:			04/29/2009 1400			

Client Sample ID: MCFT WWNA 061

Lab Sample ID: 220-8923-3
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26735	Date Analyzed			04/30/2009 1439			
Prep Batch: 220-26703	Date Prepared:			04/29/2009 1400			

Client Sample ID: MCFT WWNA 062

Lab Sample ID: 220-8923-4
Client Matrix: Water

Date Sampled: 04/28/2009 1400
Date Received: 04/29/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.014		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26735	Date Analyzed			04/30/2009 1440			
Prep Batch: 220-26703	Date Prepared:			04/29/2009 1400			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	Surrogate exceeds the control limit
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-26750					
LCS 220-26750/3	Lab Control Sample	T	Water	624	
MB 220-26750/4	Method Blank	T	Water	624	
220-8923-1	MCFT WWNA 059	T	Water	624	
220-8923-2	MCFT WWNA 060	T	Water	624	
220-8923-3	MCFT WWNA 061	T	Water	624	
220-8923-4	MCFT WWNA 062	T	Water	624	
220-8923-5TB	TRIP BLANKS	T	Water	624	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 220-26676					
LCS 220-26676/2-A	Lab Control Sample	T	Water	625	
220-8923-1	MCFT WWNA 059	T	Water	625	
220-8923-2	MCFT WWNA 060	T	Water	625	
220-8923-3	MCFT WWNA 061	T	Water	625	
220-8923-4	MCFT WWNA 062	T	Water	625	
Analysis Batch:220-26768					
220-8923-1	MCFT WWNA 059	T	Water	625	220-26676
220-8923-2	MCFT WWNA 060	T	Water	625	220-26676
220-8923-3	MCFT WWNA 061	T	Water	625	220-26676
220-8923-4	MCFT WWNA 062	T	Water	625	220-26676
Analysis Batch:220-26786					
LCS 220-26676/2-A	Lab Control Sample	T	Water	625	220-26676

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-26725					
LCS 220-26725/2-A	Lab Control Sample	T	Water	200.7	
MB 220-26725/1-A	Method Blank	T	Water	200.7	
220-8923-1	MCFT WWNA 059	T	Water	200.7	
Analysis Batch:220-26794					
LCS 220-26725/2-A	Lab Control Sample	T	Water	200.7 Rev 4.4	220-26725
MB 220-26725/1-A	Method Blank	T	Water	200.7 Rev 4.4	220-26725
220-8923-1	MCFT WWNA 059	T	Water	200.7 Rev 4.4	220-26725

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:220-26685					
LCS 220-26685/2	Lab Control Sample	T	Water	SM 2540D	
MB 220-26685/1	Method Blank	T	Water	SM 2540D	
220-8923-1	MCFT WWNA 059	T	Water	SM 2540D	
Prep Batch: 220-26703					
LCS 220-26703/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 220-26703/1-A	Method Blank	T	Water	Distill/Phenol	
220-8923-1	MCFT WWNA 059	T	Water	Distill/Phenol	
220-8923-2	MCFT WWNA 060	T	Water	Distill/Phenol	
220-8923-3	MCFT WWNA 061	T	Water	Distill/Phenol	
220-8923-4	MCFT WWNA 062	T	Water	Distill/Phenol	
Analysis Batch:220-26735					
LCS 220-26703/2-A	Lab Control Sample	T	Water	420.4	220-26703
MB 220-26703/1-A	Method Blank	T	Water	420.4	220-26703
220-8923-1	MCFT WWNA 059	T	Water	420.4	220-26703
220-8923-2	MCFT WWNA 060	T	Water	420.4	220-26703
220-8923-3	MCFT WWNA 061	T	Water	420.4	220-26703
220-8923-4	MCFT WWNA 062	T	Water	420.4	220-26703
Analysis Batch:220-26756					
MB 220-26756/3	Method Blank	T	Water	SM 4500 H+ B	
220-8923-1	MCFT WWNA 059	T	Water	SM 4500 H+ B	
Analysis Batch:220-26782					
MB 220-26782/1	Method Blank	T	Water	SM 4500 CN G	
220-8923-1	MCFT WWNA 059	T	Water	SM 4500 CN G	

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	12DCE %Rec	BFB %Rec	TOL %Rec
220-8923-1	MCFT WWNA 059	97	71	93
220-8923-2	MCFT WWNA 060	100	71	91
220-8923-3	MCFT WWNA 061	103	76	93
220-8923-4	MCFT WWNA 062	101	78	93
220-8923-5	TRIP BLANKS	98	72	93
MB 220-26750/4		94	73	94
LCS 220-26750/3		94	89	93

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	60-127
BFB = 4-Bromofluorobenzene	47-120
TOL = Toluene-d8 (Surr)	83-120

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
220-8923-1	MCFT WWNA 059	65	66	51*
220-8923-2	MCFT WWNA 060	54	58	36*
220-8923-3	MCFT WWNA 061	59	60	45*
220-8923-4	MCFT WWNA 062	55	66	34*
LCS 220-26676/2-A		64	66	61*

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	42-103
NBZ = Nitrobenzene-d5	42-108
TPH = Terphenyl-d14	63-129

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Method Blank - Batch: 220-26750

Method: 624
Preparation: N/A

Lab Sample ID: MB 220-26750/4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/30/2009 1159
Date Prepared: N/A

Analysis Batch: 220-26750
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7013.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	5.0	U	0.090	5.0
Toluene	5.0	U	0.15	5.0
Ethylbenzene	5.0	U	0.26	5.0
Xylenes, Total	5.0	U	0.53	5.0
m&p-Xylene	10	U	0.34	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	60 - 127
4-Bromofluorobenzene	73	47 - 120
Toluene-d8 (Surr)	94	83 - 120

Lab Control Sample - Batch: 220-26750

Method: 624
Preparation: N/A

Lab Sample ID: LCS 220-26750/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/30/2009 1040
Date Prepared: N/A

Analysis Batch: 220-26750
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7011.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	20.9	104	37 - 151	
Toluene	20.0	21.3	106	47 - 150	
Ethylbenzene	20.0	20.5	103	37 - 162	
Xylenes, Total	60.0	62.7	105	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	60 - 127
4-Bromofluorobenzene	89	47 - 120
Toluene-d8 (Surr)	93	83 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Lab Control Sample - Batch: 220-26676

Method: 625
Preparation: 625

Lab Sample ID: LCS 220-26676/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2009 1337
Date Prepared: 04/29/2009 0911

Analysis Batch: 220-26786
Prep Batch: 220-26676
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Zx10803.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	28.1	70	47 - 145	
Acenaphthylene	40.0	27.6	69	33 - 145	
Anthracene	40.0	29.6	74	27 - 133	
Benzo[a]anthracene	40.0	28.8	72	33 - 143	
Benzo[a]pyrene	40.0	28.3	71	17 - 163	
Benzo[b]fluoranthene	40.0	29.3	73	24 - 159	
Benzo[g,h,i]perylene	40.0	29.9	75	1 - 219	
Benzo[k]fluoranthene	40.0	29.2	73	11 - 162	
Chrysene	40.0	28.5	71	17 - 168	
Dibenz(a,h)anthracene	40.0	30.2	75	1 - 227	
Fluoranthene	40.0	30.1	75	26 - 137	
Fluorene	40.0	29.1	73	59 - 121	
Indeno[1,2,3-cd]pyrene	40.0	29.7	74	1 - 171	
Naphthalene	40.0	23.9	60	21 - 133	
Phenanthrene	40.0	29.9	75	54 - 120	
Pyrene	40.0	29.9	75	52 - 115	

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl	64		42 - 103
Nitrobenzene-d5	66		42 - 108
Terphenyl-d14	61	*	63 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Method Blank - Batch: 220-26725

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 220-26725/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2009 1748
Date Prepared: 04/30/2009 1120

Analysis Batch: 220-26794
Prep Batch: 220-26725
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W050109
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	5.0	U	0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.0	U	1.5	5.0
Iron	120	U	15	120
Manganese	8.0	U	0.25	8.0
Nickel	5.0	U	1.0	5.0
Lead	15	U	2.5	15
Zinc	25	U	5.0	25

Lab Control Sample - Batch: 220-26725

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: LCS 220-26725/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2009 1754
Date Prepared: 04/30/2009 1120

Analysis Batch: 220-26794
Prep Batch: 220-26725
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W050109
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	300	309	103	85 - 115	
Cadmium	300	319	106	85 - 115	
Chromium	300	326	109	85 - 115	
Copper	300	310	103	85 - 115	
Iron	25000	26180	105	85 - 115	
Manganese	200	216	108	85 - 115	
Nickel	300	318	106	85 - 115	
Lead	1000	1040	104	85 - 115	
Zinc	300	324	108	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Method Blank - Batch: 220-26703

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: MB 220-26703/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/30/2009 1415
Date Prepared: 04/29/2009 1400

Analysis Batch: 220-26735
Prep Batch: 220-26703
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_30 Apr
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	0.0050	U	0.0025	0.0050

Lab Control Sample - Batch: 220-26703

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: LCS 220-26703/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/30/2009 1416
Date Prepared: 04/29/2009 1400

Analysis Batch: 220-26735
Prep Batch: 220-26703
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_30 Apr
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.937	0.924	99	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Method Blank - Batch: 220-26685

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 220-26685/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/29/2009 1735
Date Prepared: N/A

Analysis Batch: 220-26685
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Total Suspended Solids	1.0	U	0.12	1.0

Lab Control Sample - Batch: 220-26685

Method: SM 2540D
Preparation: N/A

Lab Sample ID: LCS 220-26685/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/29/2009 1739
Date Prepared: N/A

Analysis Batch: 220-26685
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 95 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	225	241.1	107	72 - 107	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Method Blank - Batch: 220-26782

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: MB 220-26782/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2009 1228
Date Prepared: N/A

Analysis Batch: 220-26782
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Amenable	10	U	2.3	10
Cyanide, Non-amenable	10	U	2.3	10
Cyanide, Total	10	U	2.3	10

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-8923-1
Sdg Number: 220-8923

Method Blank - Batch: 220-26756

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: MB 220-26756/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/30/2009 1713
Date Prepared: N/A

Analysis Batch: 220-26756
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Result	Qual	RL	RL
pH	5.26		0.100	0.100

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8923

TAL-0015 (0508)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	4/28/09	014784
Address	Telephone Number (Area Code)/Fax Number/e-mail address	Field Telephone Number	Page 1 of 2
	607-762-8834		
City / State / Zip Code	Site Contact: ~~Matt~~ Thorpe 518-428-4783	Lab Contact	
Project Name and Location (State)	Sample Disposal: ☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)		
Mechanicville M.G.P., N.Y.			
Contract/Purchase Order/Project No.			
94560			

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	Analysis: PAH	BTEX	TSS, pH	Phenols	ACN	Comments
MCFT WWNA 059	4/28/09	1400	X									X	2					
MCFT WWNA 059	4/28/09	1400	X						X					2				
MCFT WWNA 059	4/28/09	1400	X									X			2			
MCFT WWNA 059	4/28/09	1400	X					X								1		
MCFT WWNA 059	4/28/09	1400	X							X							2	
MCFT WWNA 059	4/28/09	1400	X				X										1	
MCFT WWNA 060	4/28/09	1400	X									X	2					Between Carbons
MCFT WWNA 060	4/28/09	1400	X						X					2				
MCFT WWNA 060	4/28/09	1400	X				X									1		

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

1. Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	4/28/09	1600	[signature]	4/29/09	945
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Received By	Date	Time	Cooler Temps	Passed Rad. Screen (Lab Use Only)	
			9.0°C, 5.8°C	☑ Yes ☐ No	

Comments

Sample # 01, 3 amb 1-liter, 1-amb 500 H2SO4, 2-psco unp. 2 hcl vials, Sample # 02: 1-amb 1-liter, 2 hcl vials, Sample # 03: 2-amb 1-liter 1-amb 500 H2SO4, Sample # 04: * 1-amb 500 H2SO4 all packed in the 9.0°C cooler. (KB) 4/29/09

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

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Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

8923

TAL-0015 (0508)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	4/28/09	014785
Address	**Telephone Number (Area Code)/Fax Number/e-mail address**	**Field Telephone Number**	**Page 2 of 2**
	607-762-8834		
City / State / Zip Code	**Site Contact** Matt Thorpe 518-428-4383	**Lab Contact**	
Project Name and Location (State) Mechanicville M.G.P., NY	**Sample Disposal** ☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)		
Contract/Purchase Order/Project No. 94568			

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Other	Analysis: PAH	BTEX	TPhenols	Comments
MCFT WWNA 061	4/28/09	1400	X									X	2			Clay
MCFT WWNA 061	4/28/09	1400	X						X					2		
MCFT WWNA 061	4/28/09	1400	X				X								1	
MCFT WWNA 062	4/28/09	1400	X									X	2			Influent
MCFT WWNA 062	4/28/09	1400	X						X					2		
MCFT WWNA 062	4/28/09	1400	X				X								1	
Trip Blanks																

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

1. Relinquished By	Date	Time	1. Received By	Date	Time
Cere Ko	4/28/09	1600	K Blackeu	4/29/09	945
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Received By	Date	Time	Cooler Temps	Passed Rad. Screen (Lab Use Only) ☑ Yes ☐ No	

Comments

05/12/2009

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TESTAMERICA CONNECTICUT
PRESERVATIVE RECORD

Job Number:

Client:

Client Project:

Lab Number	Preservative	pH	Adjustment (mLs)	pH after Adjustment	Preservative Lot Number	Initials	Date
8923-01	H2SO4	<2	N/A	N/A	N/A	KB	4/29/09
02	↓	<2	↓	↓	↓	↓	↓
03	↓	<2	↓	↓	↓	↓	↓
04	↓	<2	↓	↓	↓	↓	↓
01	HNO3	<2	↓	↓	↓	↓	↓
01	NaOH	>12	↓	↓	↓	↓	↓
01	↓	>12	↓	↓	↓	↓	↓

K Bloomer 4/29/09

TestAmerica - Connecticut
Internal Chain-of-Custody

220-8923

AECOM - mechanicsville Disch.

Trip Blank: 5

QC: Air: 48hr tat

FB:

Soil: Water: 1-5

Date Received: 4/29/09

Sample #s: 1-5

Locations: 93C, R-1Y

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-4			4-29	11:40	Ext	Used			
1-4			4/29	1200	Metals			4/29	1530
1		JM	4/30	9:10	TSS - pH	JM		4/30	17:15
1			4/30	10:50	MTR			4/30	12:00
1-5			4/30/09	12:30	VOA	Used			
1			4/29	1055	CN			4/29	1530

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-8923-1
SDG Number: 220-8923

Login Number: 8923
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	9.0c, 5.8c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-9007-1

SDG Number: 220-9007

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Cheryl Cascella
5/15/2009 11:10 AM

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
05/15/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) 9040B, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. All associated samples have been qualified with the "HF" flag to indicate they were performed in the laboratory outside the 15 minute timeframe.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-9007-1	**MCFT WWNA 063**					
Barium		99		5.0	ug/L	200.7 Rev 4.4
Iron		150		120	ug/L	200.7 Rev 4.4
Manganese		180		8.0	ug/L	200.7 Rev 4.4
Nickel		1.2	J	5.0	ug/L	200.7 Rev 4.4
Zinc		6.1	J	25	ug/L	200.7 Rev 4.4
Phenolics, Total Recoverable		0.0045	J	0.0050	mg/L	420.4
Total Suspended Solids		3.5		1.2	mg/L	SM 2540D
pH		7.66	HF	0.100	SU	SM 4500 H+ B
220-9007-2	**MCFT WWNA 064**					
Phenolics, Total Recoverable		0.0045	J	0.0050	mg/L	420.4
220-9007-3	**MCFT WWNA 065**					
Benzene		0.17	J	5.0	ug/L	624
220-9007-4	**MCFT WWNA 066**					
Benzene		0.37	J	5.0	ug/L	624
Toluene		0.99	J	5.0	ug/L	624
Ethylbenzene		0.53	J	5.0	ug/L	624
Xylenes, Total		1.4	J	5.0	ug/L	624
o-Xylene		0.87	J	5.0	ug/L	624
Acenaphthene		7.2		4.0	ug/L	625
Acenaphthylene		1.5	J	4.0	ug/L	625
Anthracene		0.60	J	4.0	ug/L	625
Fluoranthene		1.5	J	4.0	ug/L	625
Fluorene		1.1	J	4.0	ug/L	625
Pyrene		1.5	J	4.0	ug/L	625
Phenolics, Total Recoverable		0.0098		0.0050	mg/L	420.4

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Madumadu, Dave	DM
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-9007-1	MCFT WWNA 063	Water	05/05/2009 1430	05/06/2009 0945
220-9007-2	MCFT WWNA 064	Water	05/05/2009 1430	05/06/2009 0945
220-9007-3	MCFT WWNA 065	Water	05/05/2009 1430	05/06/2009 0945
220-9007-4	MCFT WWNA 066	Water	05/05/2009 1430	05/06/2009 0945
220-9007-5TB	TRIP BLANK	Water	05/05/2009 0000	05/06/2009 0945

SAMPLE RESULTS

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Client Sample ID: **MCFT WWNA 063**

Lab Sample ID: 220-9007-1
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 05/08/2009 1616
Date Prepared: N/A

Analysis Batch: 220-26999

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7121.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	60 - 127
4-Bromofluorobenzene	63	47 - 120
Toluene-d8 (Surr)	99	83 - 120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Client Sample ID: **MCFT WWNA 064**

Lab Sample ID: 220-9007-2
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 05/08/2009 1549
Date Prepared: N/A

Analysis Batch: 220-26999

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7120.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	60 - 127
4-Bromofluorobenzene	62	47 - 120
Toluene-d8 (Surr)	97	83 - 120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Client Sample ID: **MCFT WWNA 065**

Lab Sample ID: 220-9007-3
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 05/08/2009 1643
Date Prepared: N/A

Analysis Batch: 220-26999

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7122.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.17	J	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113	60 - 127
4-Bromofluorobenzene	64	47 - 120
Toluene-d8 (Surr)	100	83 - 120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Client Sample ID: **MCFT WWNA 066**

Lab Sample ID: 220-9007-4
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 05/08/2009 1709
Date Prepared: N/A

Analysis Batch: 220-26999

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7123.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.37	J	0.099	5.0
Toluene	0.99	J	0.074	5.0
Ethylbenzene	0.53	J	0.15	5.0
Xylenes, Total	1.4	J	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	0.87	J	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	60 - 127
4-Bromofluorobenzene	70	47 - 120
Toluene-d8 (Surr)	99	83 - 120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Client Sample ID: TRIP BLANK

Lab Sample ID: 220-9007-5TB
Client Matrix: Water

Date Sampled: 05/05/2009 0000
Date Received: 05/06/2009 0945

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 05/08/2009 1519
Date Prepared: N/A

Analysis Batch: 220-26999

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7119.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	60 - 127
4-Bromofluorobenzene	64	47 - 120
Toluene-d8 (Surr)	98	83 - 120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Client Sample ID: **MCFT WWNA 063**

Lab Sample ID: 220-9007-1
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/07/2009 2159
Date Prepared: 05/06/2009 1035

Analysis Batch: 220-26954
Prep Batch: 220-26896

Instrument ID: HP 6890/5975
Lab File ID: Cx11091.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	63	38 - 120
Nitrobenzene-d5	68	34 - 120
Terphenyl-d14	56	10 - 120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Client Sample ID: **MCFT WWNA 064**

Lab Sample ID: 220-9007-2
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/07/2009 2227
Date Prepared: 05/06/2009 1035

Analysis Batch: 220-26954
Prep Batch: 220-26896

Instrument ID: HP 6890/5975
Lab File ID: Cx11092.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	57	38 - 120
Nitrobenzene-d5	61	34 - 120
Terphenyl-d14	55	10 - 120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Client Sample ID: **MCFT WWNA 065**

Lab Sample ID: 220-9007-3
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/07/2009 2254
Date Prepared: 05/06/2009 1035

Analysis Batch: 220-26954
Prep Batch: 220-26896

Instrument ID: HP 6890/5975
Lab File ID: Cx11093.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	53	38 - 120
Nitrobenzene-d5	56	34 - 120
Terphenyl-d14	53	10 - 120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Client Sample ID: **MCFT WWNA 066**

Lab Sample ID: 220-9007-4
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/07/2009 0029
Date Prepared: 05/06/2009 1035

Analysis Batch: 220-26897
Prep Batch: 220-26896

Instrument ID: HP 6890/5975
Lab File ID: Cx11063.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	7.2		0.31	4.0
Acenaphthylene	1.5	J	0.34	4.0
Anthracene	0.60	J	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	1.5	J	0.31	4.0
Fluorene	1.1	J	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	1.5	J	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	68	38 - 120
Nitrobenzene-d5	70	34 - 120
Terphenyl-d14	38	10 - 120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Client Sample ID: MCFT WWNA 063

Lab Sample ID: 220-9007-1
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 05/07/2009 1434
Date Prepared: 05/06/2009 1356

Analysis Batch: 220-26961
Prep Batch: 220-26909

Instrument ID: TJA Trace ICAP
Lab File ID: W050709
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	99		0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.0	U	1.5	5.0
Iron	150		15	120
Manganese	180		0.25	8.0
Nickel	1.2	J	1.0	5.0
Lead	15	U	2.5	15
Zinc	6.1	J	5.0	25

General Chemistry

Client Sample ID: MCFT WWNA 063

Lab Sample ID: 220-9007-1
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	3.5		mg/L	0.16	1.2	1.0	SM 2540D
Anly Batch: 220-26903	Date Analyzed			05/06/2009 1355			
Phenolics, Total Recoverable	0.0045	J	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26946	Date Analyzed			05/07/2009 1212			
Prep Batch: 220-26918	Date Prepared:			05/06/2009 1130			
Cyanide, Amenable	10	U	ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-26997	Date Analyzed			05/08/2009 1624			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.66	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-26927	Date Analyzed			05/06/2009 1459			

Client Sample ID: MCFT WWNA 064

Lab Sample ID: 220-9007-2
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0045	J	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26946	Date Analyzed			05/07/2009 1213			
Prep Batch: 220-26918	Date Prepared:			05/06/2009 1130			

Client Sample ID: MCFT WWNA 065

Lab Sample ID: 220-9007-3
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26946	Date Analyzed			05/07/2009 1214			
Prep Batch: 220-26918	Date Prepared:			05/06/2009 1130			

Client Sample ID: MCFT WWNA 066

Lab Sample ID: 220-9007-4
Client Matrix: Water

Date Sampled: 05/05/2009 1430
Date Received: 05/06/2009 0945

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0098		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-26946	Date Analyzed			05/07/2009 1215			
Prep Batch: 220-26918	Date Prepared:			05/06/2009 1130			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-26999					
LCS 220-26999/9	Lab Control Sample	T	Water	624	
MB 220-26999/3	Method Blank	T	Water	624	
220-9007-1	MCFT WWNA 063	T	Water	624	
220-9007-2	MCFT WWNA 064	T	Water	624	
220-9007-3	MCFT WWNA 065	T	Water	624	
220-9007-4	MCFT WWNA 066	T	Water	624	
220-9007-5TB	TRIP BLANK	T	Water	624	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 220-26896					
LCS 220-26896/2-A	Lab Control Sample	T	Water	625	
MB 220-26896/1-A	Method Blank	T	Water	625	
220-9007-1	MCFT WWNA 063	T	Water	625	
220-9007-2	MCFT WWNA 064	T	Water	625	
220-9007-3	MCFT WWNA 065	T	Water	625	
220-9007-4	MCFT WWNA 066	T	Water	625	
Analysis Batch:220-26897					
220-9007-4	MCFT WWNA 066	T	Water	625	220-26896
Analysis Batch:220-26954					
LCS 220-26896/2-A	Lab Control Sample	T	Water	625	220-26896
MB 220-26896/1-A	Method Blank	T	Water	625	220-26896
220-9007-1	MCFT WWNA 063	T	Water	625	220-26896
220-9007-2	MCFT WWNA 064	T	Water	625	220-26896
220-9007-3	MCFT WWNA 065	T	Water	625	220-26896

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-26909					
LCS 220-26909/2-A	Lab Control Sample	T	Water	200.7	
MB 220-26909/1-A	Method Blank	T	Water	200.7	
220-9007-1	MCFT WWNA 063	T	Water	200.7	
220-9007-1DU	Duplicate	T	Water	200.7	
220-9007-1MS	Matrix Spike	T	Water	200.7	
Analysis Batch:220-26961					
LCS 220-26909/2-A	Lab Control Sample	T	Water	200.7 Rev 4.4	220-26909
MB 220-26909/1-A	Method Blank	T	Water	200.7 Rev 4.4	220-26909
220-9007-1	MCFT WWNA 063	T	Water	200.7 Rev 4.4	220-26909
220-9007-1DU	Duplicate	T	Water	200.7 Rev 4.4	220-26909
220-9007-1MS	Matrix Spike	T	Water	200.7 Rev 4.4	220-26909

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:220-26903					
LCS 220-26903/2	Lab Control Sample	T	Water	SM 2540D	
MB 220-26903/1	Method Blank	T	Water	SM 2540D	
220-9007-1	MCFT WWNA 063	T	Water	SM 2540D	
Prep Batch: 220-26918					
LCS 220-26918/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 220-26918/1-A	Method Blank	T	Water	Distill/Phenol	
220-9007-1	MCFT WWNA 063	T	Water	Distill/Phenol	
220-9007-2	MCFT WWNA 064	T	Water	Distill/Phenol	
220-9007-3	MCFT WWNA 065	T	Water	Distill/Phenol	
220-9007-4	MCFT WWNA 066	T	Water	Distill/Phenol	
Analysis Batch:220-26927					
MB 220-26927/3	Method Blank	T	Water	SM 4500 H+ B	
220-9007-1	MCFT WWNA 063	T	Water	SM 4500 H+ B	
220-9007-1DU	Duplicate	T	Water	SM 4500 H+ B	
Analysis Batch:220-26946					
LCS 220-26918/2-A	Lab Control Sample	T	Water	420.4	220-26918
MB 220-26918/1-A	Method Blank	T	Water	420.4	220-26918
220-9007-1	MCFT WWNA 063	T	Water	420.4	220-26918
220-9007-2	MCFT WWNA 064	T	Water	420.4	220-26918
220-9007-3	MCFT WWNA 065	T	Water	420.4	220-26918
220-9007-4	MCFT WWNA 066	T	Water	420.4	220-26918
Analysis Batch:220-26997					
MB 220-26997/1	Method Blank	T	Water	SM 4500 CN G	
220-9007-1	MCFT WWNA 063	T	Water	SM 4500 CN G	
220-9007-1DU	Duplicate	T	Water	SM 4500 CN G	

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	12DCE %Rec	BFB %Rec	TOL %Rec
220-9007-1	MCFT WWNA 063	116	63	99
220-9007-2	MCFT WWNA 064	115	62	97
220-9007-3	MCFT WWNA 065	113	64	100
220-9007-4	MCFT WWNA 066	117	70	99
220-9007-5	TRIP BLANK	116	64	98
MB 220-26999/3		114	65	97
LCS 220-26999/9		109	85	91

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	60-127
BFB = 4-Bromofluorobenzene	47-120
TOL = Toluene-d8 (Surr)	83-120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
220-9007-1	MCFT WWNA 063	63	68	56
220-9007-2	MCFT WWNA 064	57	61	55
220-9007-3	MCFT WWNA 065	53	56	53
220-9007-4	MCFT WWNA 066	68	70	38
MB 220-26896/1-A		52	55	69
LCS 220-26896/2-A		64	67	65

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	38-120
NBZ = Nitrobenzene-d5	34-120
TPH = Terphenyl-d14	10-120

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Method Blank - Batch: 220-26999

Method: 624
Preparation: N/A

Lab Sample ID: MB 220-26999/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2009 1449
Date Prepared: N/A

Analysis Batch: 220-26999
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7118.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	60 - 127
4-Bromofluorobenzene	65	47 - 120
Toluene-d8 (Surr)	97	83 - 120

Lab Control Sample - Batch: 220-26999

Method: 624
Preparation: N/A

Lab Sample ID: LCS 220-26999/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2009 1355
Date Prepared: N/A

Analysis Batch: 220-26999
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7116.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	21.7	108	37 - 151	
Toluene	20.0	22.9	114	47 - 150	
Ethylbenzene	20.0	20.2	101	37 - 162	
Xylenes, Total	60.0	61.2	102	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	60 - 127
4-Bromofluorobenzene	85	47 - 120
Toluene-d8 (Surr)	91	83 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Method Blank - Batch: 220-26896

Method: 625
Preparation: 625

Lab Sample ID: MB 220-26896/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2009 1137
Date Prepared: 05/06/2009 1035

Analysis Batch: 220-26954
Prep Batch: 220-26896
Units: ug/L

Instrument ID: HP 6890/5975
Lab File ID: Cx11068.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	52	38 - 120
Nitrobenzene-d5	55	34 - 120
Terphenyl-d14	69	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Lab Control Sample - Batch: 220-26896

Method: 625
Preparation: 625

Lab Sample ID: LCS 220-26896/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2009 1204
Date Prepared: 05/06/2009 1035

Analysis Batch: 220-26954
Prep Batch: 220-26896
Units: ug/L

Instrument ID: HP 6890/5975
Lab File ID: Cx11069.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1.0 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	31.3	78	47 - 145	
Acenaphthylene	40.0	31.6	79	33 - 145	
Anthracene	40.0	35.7	89	27 - 133	
Benzo[a]anthracene	40.0	34.7	87	33 - 143	
Benzo[a]pyrene	40.0	33.8	84	17 - 163	
Benzo[b]fluoranthene	40.0	35.1	88	24 - 159	
Benzo[g,h,i]perylene	40.0	35.1	88	1 - 219	
Benzo[k]fluoranthene	40.0	35.5	89	11 - 162	
Chrysene	40.0	33.8	84	17 - 168	
Dibenz(a,h)anthracene	40.0	35.4	88	1 - 227	
Fluoranthene	40.0	35.3	88	26 - 137	
Fluorene	40.0	33.6	84	59 - 121	
Indeno[1,2,3-cd]pyrene	40.0	35.0	88	1 - 171	
Naphthalene	40.0	28.2	71	21 - 133	
Phenanthrene	40.0	35.5	89	54 - 120	
Pyrene	40.0	36.5	91	52 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	64	38 - 120
Nitrobenzene-d5	67	34 - 120
Terphenyl-d14	65	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Method Blank - Batch: 220-26909

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 220-26909/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2009 1149
Date Prepared: 05/06/2009 1356

Analysis Batch: 220-26961
Prep Batch: 220-26909
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W050709
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	5.0	U	0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.0	U	1.5	5.0
Iron	120	U	15	120
Manganese	8.0	U	0.25	8.0
Nickel	5.0	U	1.0	5.0
Lead	15	U	2.5	15
Zinc	25	U	5.0	25

Lab Control Sample - Batch: 220-26909

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: LCS 220-26909/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2009 1154
Date Prepared: 05/06/2009 1356

Analysis Batch: 220-26961
Prep Batch: 220-26909
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W050709
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	300	317	106	85 - 115	
Cadmium	300	313	104	85 - 115	
Chromium	300	319	106	85 - 115	
Copper	300	318	106	85 - 115	
Iron	25000	26030	104	85 - 115	
Manganese	200	215	107	85 - 115	
Nickel	300	317	106	85 - 115	
Lead	1000	1030	103	85 - 115	
Zinc	300	316	105	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Matrix Spike - Batch: 220-26909

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: 220-9007-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2009 1453
Date Prepared: 05/06/2009 1356

Analysis Batch: 220-26961
Prep Batch: 220-26909
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W050709
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Barium	99		1000	1110	101	75 - 125	
Cadmium	5.0	U	50.0	52.1	104	75 - 125	
Chromium	5.0	U	100	102	102	75 - 125	
Copper	5.0	U	125	130	104	75 - 125	
Iron	150		500	695	109	75 - 125	
Manganese	180		250	445	106	75 - 125	
Nickel	1.2	J	250	256	102	75 - 125	
Lead	15	U	20.0	20.6	103	75 - 125	
Zinc	6.1	J	250	262	102	75 - 125	

Duplicate - Batch: 220-26909

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: 220-9007-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2009 1440
Date Prepared: 05/06/2009 1356

Analysis Batch: 220-26961
Prep Batch: 220-26909
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W050709
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Barium	99		101	2	20	
Cadmium	5.0	U	5.0	NC	20	U
Chromium	5.0	U	5.0	NC	20	U
Copper	5.0	U	5.0	NC	20	U
Iron	150		167	10	20	
Manganese	180		182	1	20	
Nickel	1.2	J	1.65	33	20	J
Lead	15	U	15	NC	20	U
Zinc	6.1	J	6.05	1	20	J

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Method Blank - Batch: 220-26918

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: MB 220-26918/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2009 1149
Date Prepared: 05/06/2009 1130

Analysis Batch: 220-26946
Prep Batch: 220-26918
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_07 May
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	0.0050	U	0.0025	0.0050

Lab Control Sample - Batch: 220-26918

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: LCS 220-26918/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2009 1150
Date Prepared: 05/06/2009 1130

Analysis Batch: 220-26946
Prep Batch: 220-26918
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_07 May
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.937	0.902	96	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Method Blank - Batch: 220-26903

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 220-26903/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/06/2009 1345
Date Prepared: N/A

Analysis Batch: 220-26903
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Total Suspended Solids	1.0	U	0.12	1.0

Lab Control Sample - Batch: 220-26903

Method: SM 2540D
Preparation: N/A

Lab Sample ID: LCS 220-26903/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/06/2009 1350
Date Prepared: N/A

Analysis Batch: 220-26903
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	225	224.0	100	72 - 107	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Method Blank - Batch: 220-26997

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: MB 220-26997/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2009 1624
Date Prepared: N/A

Analysis Batch: 220-26997
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Amenable	10	U	2.3	10
Cyanide, Non-amenable	10	U	2.3	10
Cyanide, Total	10	U	2.3	10

Duplicate - Batch: 220-26997

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: 220-9007-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2009 1624
Date Prepared: N/A

Analysis Batch: 220-26997
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cyanide, Amenable	10	U	10	NC	20	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9007-1
Sdg Number: 220-9007

Method Blank - Batch: 220-26927

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: MB 220-26927/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/06/2009 1449
Date Prepared: N/A

Analysis Batch: 220-26927
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Result	Qual	RL	RL
pH	5.45		0.100	0.100

Duplicate - Batch: 220-26927

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: 220-9007-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/06/2009 1503
Date Prepared: N/A

Analysis Batch: 220-26927
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.66	7.660	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

MISCELLANEOUS DATA

Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

9007

TAL-0015 (0508)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	5/5/09	014726
Address	**Telephone Number (Area Code)/Fax Number/e-mail address**	**Field Telephone Number**	**Page** 1 of 2
	607-762-8834		
City / **State** / **Zip Code**	**Site Contact** Matt Thorne 518-428-4383	**Lab Contact**	
Project Name and Location (State)	**Sample Disposal** ☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)		
Mechanicville M.G.P., NY			
Contract/Purchase Order/Project No.			
94560			

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Matrix: Solid	Matrix: Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	Analysis: PAH	BTEX	TSS, pH	tot met	∠ CN	Tphenols	Comments
MCFT WWNA 063	5/5/09	1430	X									X	2						
MCFT WWNA 063	5/5/09	1430	X						X					2					
MCFT WWNA 063	5/5/09	1430	X									X			2				
MCFT WWNA 063	5/5/09	1430	X					X								1			
MCFT WWNA 063	5/5/09	1430	X							X							2		
MCFT WWNA 063	5/5/09	1430	X				X											1	
MCFT WWNA 064	5/5/09	1430	X									X	2						Between Carbons
MCFT WWNA 064	5/5/09	1430	X						X					2					
MCFT WWNA 064	5/5/09	1430	X				X											1	

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

1. Relinquished By	Date 5/5/09	Time 1600	1. Received By	Date 5/6/09	Time 945
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Received By	Date	Time	Cooler Temps 7.8°C 7.2°C	Passed Rad. Screen (Lab Use Only) ☑ Yes ☐ No	

Comments
Bags of ice/water surrounding bagged + bubble wrapped samples. (KB) 5/6/09

6/15/2009

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

9007

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	5/5/09	098304
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 2
	607-762-8834		
City / State / Zip Code	Site Contact / Lab Contact	Analysis (Attach list if more space is needed)	
	Matt Thorpe 518-428-1883		
Project Name and Location (State)	Carrier/Waybill Number		
Mechanicville M.G.P., NY			
Contract/Purchase Order/Quote No.			
94560			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	4oz	PAH	BTEX	TPhenols	Special Instructions/ Conditions of Receipt
MCFT WWNA 065	5/5/09	1430		X									X	2			Clay
MCFT WWNA 065	5/5/09	1430		X						X					2		
MCFT WWNA 065	5/5/09	1430		X				X								1	
MCFT WWNA 066	5/5/09	1430		X									X	2			Influent
MCFT WWNA 066	5/5/09	1430		X						X					2		
MCFT WWNA 066	5/5/09	1430		X				X								1	
Trip Blanks										2							

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.		5/5/09	1600	K Blackburn	5/6/09	945
2.						
3.				7.8°C, 7.2°C		

Comments

5/6/2009

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TESTAMERICA CONNECTICUT
PRESERVATIVE RECORD

Job Number:

Client:

Client Project:

Lab Number	Preservative	pH	Adjustment (mLs)	pH after Adjustment	Preservative Lot Number	Initials	Date
9007 - 01	HNO3	<2	N/A	N/A	N/A	ICB	5/6/09
01	NaOH	>12					
01	NaOH	<2					
01	H2SO4	<2					
02		<2					
03		<2					
04		<2					

Kathleen Barrett 5/6/09

TestAmerica - Connecticut
Internal Chain-of-Custody

220-9007
AECOM - Mechanicsville

Trip Blank: 5

QC:

Air: 48hr

FB:

Soil:

Water: 1-5

Date Received: 5/6/09

Sample #s: 1-5

Locations: 89E, R-1FF

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-4	MT	[illegible]	5-6	10:30	EXT	[illegible]			
1-4	MT	[illegible]	5/6	1100	PHENOLS	[illegible]	MT	5/6	1710
MT 1	MT	JM	5/6	1235	TSS	JM	MT	5/6	14:25
1	MT	[illegible]	5/6	1240	MTR	[illegible]	MT	5/6	1408
~~TB 5/6/09~~ 16/18 MT									
~~1/20-23~~									
1	LB	[illegible]	5/7	955	[illegible]	[illegible]	LB	5/7	9445
1-5	LB	[illegible]	5/8/09	1411	VOA	[illegible]			

05/15/2009

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-9007-1
SDG Number: 220-9007

Login Number: 9007
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	bagged ice in coolers.
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	7.8c, 7.2c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-9060-1

SDG Number: 220-9060

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Cheryl Cascella
5/19/2009 10:27 AM

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
05/19/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Metals
Method(s) 200.7 Rev 4.4: The method blank for preparation batch 27163 contained copper above the reporting limit (RL). Copper result for sample MCFT WWNA 067 (220-9060-1) was below the reporting limit; therefore, re-digestion and/or re-analysis of sample was not performed.

No other analytical or quality issues were noted.

General Chemistry
Method(s) SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. All associated samples have been qualified with the "HF" flag to indicate they were performed in the laboratory outside the 15 minute timeframe.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-9060-1	**MCFT WWNA 067**					
Toluene		0.11	J	5.0	ug/L	624
Barium		120		5.0	ug/L	200.7 Rev 4.4
Copper		4.7	J	5.0	ug/L	200.7 Rev 4.4
Iron		200		120	ug/L	200.7 Rev 4.4
Manganese		270		8.0	ug/L	200.7 Rev 4.4
Lead		4.7	J	15	ug/L	200.7 Rev 4.4
Zinc		16	J	25	ug/L	200.7 Rev 4.4
Phenolics, Total Recoverable		0.0031	J	0.0050	mg/L	420.4
Total Suspended Solids		3.5		2.5	mg/L	SM 2540D
pH		7.53	HF	0.100	SU	SM 4500 H+ B
220-9060-2	**MCFT WWNA 068**					
Phenolics, Total Recoverable		0.0037	J	0.0050	mg/L	420.4
220-9060-3	**MCFT WWNA 069**					
Benzene		0.12	J	5.0	ug/L	624
220-9060-4	**MCFT WWNA 070**					
Benzene		0.33	J	5.0	ug/L	624
Toluene		0.64	J	5.0	ug/L	624
Ethylbenzene		0.59	J	5.0	ug/L	624
o-Xylene		0.35	J	5.0	ug/L	624
Fluoranthene		0.59	J	4.0	ug/L	625
Pyrene		2.8	J	4.0	ug/L	625
Phenolics, Total Recoverable		0.0059		0.0050	mg/L	420.4

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Method	Analyst	Analyst ID
40CFR136A 624	Decker, Larry	LD
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-9060-1	MCFT WWNA 067	Water	05/12/2009 1430	05/13/2009 0955
220-9060-2	MCFT WWNA 068	Water	05/12/2009 1430	05/13/2009 0955
220-9060-3	MCFT WWNA 069	Water	05/12/2009 1430	05/13/2009 0955
220-9060-4	MCFT WWNA 070	Water	05/12/2009 1430	05/13/2009 0955
220-9060-5TB	TRIP BLANK	Water	05/12/2009 1430	05/13/2009 0955

SAMPLE RESULTS

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Client Sample ID: **MCFT WWNA 067**

Lab Sample ID: 220-9060-1
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 05/14/2009 1245
Date Prepared: N/A

Analysis Batch: 220-27164

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7145.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	0.11	J	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111	60 - 127
4-Bromofluorobenzene	67	47 - 120
Toluene-d8 (Surr)	94	83 - 120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Client Sample ID: **MCFT WWNA 068**

Lab Sample ID: 220-9060-2
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 05/14/2009 1311
Date Prepared: N/A

Analysis Batch: 220-27164

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7146.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114	60 - 127
4-Bromofluorobenzene	66	47 - 120
Toluene-d8 (Surr)	96	83 - 120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Client Sample ID: **MCFT WWNA 069**

Lab Sample ID: 220-9060-3
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 05/14/2009 1338
Date Prepared: N/A

Analysis Batch: 220-27164

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7147.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.12	J	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	60 - 127
4-Bromofluorobenzene	67	47 - 120
Toluene-d8 (Surr)	98	83 - 120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Client Sample ID: **MCFT WWNA 070**

Lab Sample ID: 220-9060-4
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 05/14/2009 1405
Date Prepared: N/A

Analysis Batch: 220-27164

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7148.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	0.33	J	0.099	5.0
Toluene	0.64	J	0.074	5.0
Ethylbenzene	0.59	J	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	0.35	J	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118	60 - 127
4-Bromofluorobenzene	67	47 - 120
Toluene-d8 (Surr)	95	83 - 120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Client Sample ID: TRIP BLANK

Lab Sample ID: 220-9060-5TB
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 05/14/2009 1431
Date Prepared: N/A

Analysis Batch: 220-27164

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7149.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	60 - 127
4-Bromofluorobenzene	63	47 - 120
Toluene-d8 (Surr)	97	83 - 120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Client Sample ID: **MCFT WWNA 067**

Lab Sample ID: 220-9060-1
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/14/2009 1736
Date Prepared: 05/13/2009 1059

Analysis Batch: 220-27179
Prep Batch: 220-27100

Instrument ID: HP 6890/5975
Lab File ID: Cx11229.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	65	38 - 120
Nitrobenzene-d5	62	34 - 120
Terphenyl-d14	54	10 - 120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Client Sample ID: **MCFT WWNA 068**

Lab Sample ID: 220-9060-2
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/14/2009 1803
Date Prepared: 05/13/2009 1059

Analysis Batch: 220-27179
Prep Batch: 220-27100

Instrument ID: HP 6890/5975
Lab File ID: Cx11230.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	70	38 - 120
Nitrobenzene-d5	66	34 - 120
Terphenyl-d14	59	10 - 120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Client Sample ID: **MCFT WWNA 069**

Lab Sample ID: 220-9060-3
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/13/2009 2306
Date Prepared: 05/13/2009 1059

Analysis Batch: 220-27166
Prep Batch: 220-27100

Instrument ID: HP 6890/5975
Lab File ID: Cx11217.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	76	38 - 120
Nitrobenzene-d5	72	34 - 120
Terphenyl-d14	53	10 - 120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Client Sample ID: **MCFT WWNA 070**

Lab Sample ID: 220-9060-4
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/14/2009 1830
Date Prepared: 05/13/2009 1059

Analysis Batch: 220-27179
Prep Batch: 220-27100

Instrument ID: HP 6890/5975
Lab File ID: Cx11231.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	0.59	J	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	2.8	J	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	64	38 - 120
Nitrobenzene-d5	63	34 - 120
Terphenyl-d14	46	10 - 120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Client Sample ID: MCFT WWNA 067

Lab Sample ID: 220-9060-1
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 05/15/2009 1208
Date Prepared: 05/14/2009 1512

Analysis Batch: 220-27207
Prep Batch: 220-27163

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	120		0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	4.7	J	1.5	5.0
Iron	200		15	120
Manganese	270		0.25	8.0
Nickel	5.0	U	1.0	5.0
Lead	4.7	J	2.5	15
Zinc	16	J	5.0	25

General Chemistry

Client Sample ID: MCFT WWNA 067

Lab Sample ID: 220-9060-1
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	3.5		mg/L	0.31	2.5	1.0	SM 2540D
Anly Batch: 220-27142	Date Analyzed			05/14/2009 1020			
Phenolics, Total Recoverable	0.0031	J	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27172	Date Analyzed			05/14/2009 1547			
Prep Batch: 220-27167	Date Prepared:			05/13/2009 1300			
Cyanide, Amenable	10	U	ug/L	2.3	10	1.0	SM 4500 CN G
Anly Batch: 220-27182	Date Analyzed			05/15/2009 0905			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.53	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-27170	Date Analyzed			05/14/2009 1337			

Client Sample ID: MCFT WWNA 068

Lab Sample ID: 220-9060-2
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0037	J	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27172	Date Analyzed			05/14/2009 1550			
Prep Batch: 220-27167	Date Prepared:			05/13/2009 1300			

Client Sample ID: MCFT WWNA 069

Lab Sample ID: 220-9060-3
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27172	Date Analyzed			05/14/2009 1551			
Prep Batch: 220-27167	Date Prepared:			05/13/2009 1300			

Client Sample ID: MCFT WWNA 070

Lab Sample ID: 220-9060-4
Client Matrix: Water

Date Sampled: 05/12/2009 1430
Date Received: 05/13/2009 0955

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0059		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27172	Date Analyzed			05/14/2009 1552			
Prep Batch: 220-27167	Date Prepared:			05/13/2009 1300			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-27164					
LCS 220-27164/2	Lab Control Sample	T	Water	624	
MB 220-27164/3	Method Blank	T	Water	624	
220-9060-1	MCFT WWNA 067	T	Water	624	
220-9060-2	MCFT WWNA 068	T	Water	624	
220-9060-3	MCFT WWNA 069	T	Water	624	
220-9060-4	MCFT WWNA 070	T	Water	624	
220-9060-5TB	TRIP BLANK	T	Water	624	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 220-27100					
LCS 220-27100/2-A	Lab Control Sample	T	Water	625	
MB 220-27100/1-A	Method Blank	T	Water	625	
220-9060-1	MCFT WWNA 067	T	Water	625	
220-9060-2	MCFT WWNA 068	T	Water	625	
220-9060-3	MCFT WWNA 069	T	Water	625	
220-9060-4	MCFT WWNA 070	T	Water	625	
Analysis Batch:220-27166					
LCS 220-27100/2-A	Lab Control Sample	T	Water	625	220-27100
MB 220-27100/1-A	Method Blank	T	Water	625	220-27100
220-9060-3	MCFT WWNA 069	T	Water	625	220-27100
Analysis Batch:220-27179					
220-9060-1	MCFT WWNA 067	T	Water	625	220-27100
220-9060-2	MCFT WWNA 068	T	Water	625	220-27100
220-9060-4	MCFT WWNA 070	T	Water	625	220-27100

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-27163					
LCS 220-27163/2-A	Lab Control Sample	T	Water	200.7	
MB 220-27163/1-A	Method Blank	T	Water	200.7	
220-9060-1	MCFT WWNA 067	T	Water	200.7	
220-9060-1DU	Duplicate	T	Water	200.7	
220-9060-1MS	Matrix Spike	T	Water	200.7	
Analysis Batch:220-27207					
LCS 220-27163/2-A	Lab Control Sample	T	Water	200.7 Rev 4.4	220-27163
MB 220-27163/1-A	Method Blank	T	Water	200.7 Rev 4.4	220-27163
220-9060-1	MCFT WWNA 067	T	Water	200.7 Rev 4.4	220-27163
220-9060-1DU	Duplicate	T	Water	200.7 Rev 4.4	220-27163
220-9060-1MS	Matrix Spike	T	Water	200.7 Rev 4.4	220-27163

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:220-27142					
LCS 220-27142/2	Lab Control Sample	T	Water	SM 2540D	
MB 220-27142/1	Method Blank	T	Water	SM 2540D	
220-9060-1	MCFT WWNA 067	T	Water	SM 2540D	
220-9060-1DU	Duplicate	T	Water	SM 2540D	
Prep Batch: 220-27167					
LCS 220-27167/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 220-27167/1-A	Method Blank	T	Water	Distill/Phenol	
220-9060-1	MCFT WWNA 067	T	Water	Distill/Phenol	
220-9060-1DU	Duplicate	T	Water	Distill/Phenol	
220-9060-1MS	Matrix Spike	T	Water	Distill/Phenol	
220-9060-2	MCFT WWNA 068	T	Water	Distill/Phenol	
220-9060-3	MCFT WWNA 069	T	Water	Distill/Phenol	
220-9060-4	MCFT WWNA 070	T	Water	Distill/Phenol	
Analysis Batch:220-27170					
MB 220-27170/3	Method Blank	T	Water	SM 4500 H+ B	
220-9060-1	MCFT WWNA 067	T	Water	SM 4500 H+ B	
220-9060-1DU	Duplicate	T	Water	SM 4500 H+ B	
Analysis Batch:220-27172					
LCS 220-27167/2-A	Lab Control Sample	T	Water	420.4	220-27167
MB 220-27167/1-A	Method Blank	T	Water	420.4	220-27167
220-9060-1	MCFT WWNA 067	T	Water	420.4	220-27167
220-9060-1DU	Duplicate	T	Water	420.4	220-27167
220-9060-1MS	Matrix Spike	T	Water	420.4	220-27167
220-9060-2	MCFT WWNA 068	T	Water	420.4	220-27167
220-9060-3	MCFT WWNA 069	T	Water	420.4	220-27167
220-9060-4	MCFT WWNA 070	T	Water	420.4	220-27167
Analysis Batch:220-27182					
MB 220-27182/1	Method Blank	T	Water	SM 4500 CN G	
220-9060-1	MCFT WWNA 067	T	Water	SM 4500 CN G	
220-9060-1DU	Duplicate	T	Water	SM 4500 CN G	

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	12DCE %Rec	BFB %Rec	TOL %Rec
220-9060-1	MCFT WWNA 067	111	67	94
220-9060-2	MCFT WWNA 068	114	66	96
220-9060-3	MCFT WWNA 069	117	67	98
220-9060-4	MCFT WWNA 070	118	67	95
220-9060-5	TRIP BLANK	117	63	97
MB 220-27164/3		110	68	94
LCS 220-27164/2		105	92	94

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	60-127
BFB = 4-Bromofluorobenzene	47-120
TOL = Toluene-d8 (Surr)	83-120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
220-9060-1	MCFT WWNA 067	65	62	54
220-9060-2	MCFT WWNA 068	70	66	59
220-9060-3	MCFT WWNA 069	76	72	53
220-9060-4	MCFT WWNA 070	64	63	46
MB 220-27100/1-A		60	56	63
LCS 220-27100/2-A		63	56	71

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	38-120
NBZ = Nitrobenzene-d5	34-120
TPH = Terphenyl-d14	10-120

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Method Blank - Batch: 220-27164

Method: 624
Preparation: N/A

Lab Sample ID: MB 220-27164/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1218
Date Prepared: N/A

Analysis Batch: 220-27164
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7144.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	60 - 127
4-Bromofluorobenzene	68	47 - 120
Toluene-d8 (Surr)	94	83 - 120

Lab Control Sample - Batch: 220-27164

Method: 624
Preparation: N/A

Lab Sample ID: LCS 220-27164/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1049
Date Prepared: N/A

Analysis Batch: 220-27164
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7142.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	23.7	118	37 - 151	
Toluene	20.0	24.1	121	47 - 150	
Ethylbenzene	20.0	22.0	110	37 - 162	
Xylenes, Total	60.0	67.5	112	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	60 - 127
4-Bromofluorobenzene	92	47 - 120
Toluene-d8 (Surr)	94	83 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Method Blank - Batch: 220-27100

Method: 625
Preparation: 625

Lab Sample ID: MB 220-27100/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/13/2009 1717
Date Prepared: 05/13/2009 1059

Analysis Batch: 220-27166
Prep Batch: 220-27100
Units: ug/L

Instrument ID: HP 6890/5975
Lab File ID: Cx11204.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	60	38 - 120
Nitrobenzene-d5	56	34 - 120
Terphenyl-d14	63	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Lab Control Sample - Batch: 220-27100

Method: 625
Preparation: 625

Lab Sample ID: LCS 220-27100/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/13/2009 1744
Date Prepared: 05/13/2009 1059

Analysis Batch: 220-27166
Prep Batch: 220-27100
Units: ug/L

Instrument ID: HP 6890/5975
Lab File ID: Cx11205.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	31.3	78	47 - 145	
Acenaphthylene	40.0	31.4	79	33 - 145	
Anthracene	40.0	34.8	87	27 - 133	
Benzo[a]anthracene	40.0	33.4	83	33 - 143	
Benzo[a]pyrene	40.0	38.1	95	17 - 163	
Benzo[b]fluoranthene	40.0	34.4	86	24 - 159	
Benzo[g,h,i]perylene	40.0	34.5	86	1 - 219	
Benzo[k]fluoranthene	40.0	34.9	87	11 - 162	
Chrysene	40.0	34.0	85	17 - 168	
Dibenz(a,h)anthracene	40.0	34.8	87	1 - 227	
Fluoranthene	40.0	35.0	87	26 - 137	
Fluorene	40.0	32.4	81	59 - 121	
Indeno[1,2,3-cd]pyrene	40.0	34.7	87	1 - 171	
Naphthalene	40.0	24.9	62	21 - 133	
Phenanthrene	40.0	34.7	87	54 - 120	
Pyrene	40.0	34.8	87	52 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	63	38 - 120
Nitrobenzene-d5	56	34 - 120
Terphenyl-d14	71	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Method Blank - Batch: 220-27163

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 220-27163/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2009 1146
Date Prepared: 05/14/2009 1512

Analysis Batch: 220-27207
Prep Batch: 220-27163
Units: ug/L

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	5.0	U	0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.3		1.5	5.0
Iron	34	J	15	120
Manganese	8.0	U	0.25	8.0
Nickel	5.0	U	1.0	5.0
Lead	5.8	J	2.5	15
Zinc	25	U	5.0	25

Lab Control Sample - Batch: 220-27163

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: LCS 220-27163/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2009 1149
Date Prepared: 05/14/2009 1512

Analysis Batch: 220-27207
Prep Batch: 220-27163
Units: ug/L

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	300	318	106	85 - 115	
Cadmium	300	316	105	85 - 115	
Chromium	300	327	109	85 - 115	
Copper	300	339	113	85 - 115	
Iron	25000	26280	105	85 - 115	
Manganese	200	214	107	85 - 115	
Nickel	300	326	109	85 - 115	
Lead	1000	1090	109	85 - 115	
Zinc	300	329	110	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Matrix Spike - Batch: 220-27163

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: 220-9060-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2009 1215
Date Prepared: 05/14/2009 1512

Analysis Batch: 220-27207
Prep Batch: 220-27163
Units: ug/L

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Barium	120		1000	1150	103	75 - 125	
Cadmium	5.0	U	50.0	51.2	102	75 - 125	
Chromium	5.0	U	100	104	104	75 - 125	
Copper	4.7	J	125	132	102	75 - 125	
Iron	200		500	726	106	75 - 125	
Manganese	270		250	531	104	75 - 125	
Nickel	5.0	U	250	258	103	75 - 125	
Lead	4.7	J	20.0	18.5	69	75 - 125	N
Zinc	16	J	250	269	101	75 - 125	

Duplicate - Batch: 220-27163

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: 220-9060-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2009 1212
Date Prepared: 05/14/2009 1512

Analysis Batch: 220-27207
Prep Batch: 220-27163
Units: ug/L

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Barium	120		123	1	20	
Cadmium	5.0	U	5.0	NC	20	U
Chromium	5.0	U	5.0	NC	20	U
Copper	4.7	J	3.85	20	20	J
Iron	200		225	14	20	
Manganese	270		267	1	20	
Nickel	5.0	U	5.0	NC	20	U
Lead	4.7	J	15	NC	20	U
Zinc	16	J	16.0	1	20	J

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Method Blank - Batch: 220-27167

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: MB 220-27167/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1545
Date Prepared: 05/13/2009 1300

Analysis Batch: 220-27172
Prep Batch: 220-27167
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_14 May
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	0.0050	U	0.0025	0.0050

Lab Control Sample - Batch: 220-27167

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: LCS 220-27167/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1546
Date Prepared: 05/13/2009 1300

Analysis Batch: 220-27172
Prep Batch: 220-27167
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_14 May
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.517	0.508	98	85 - 115	

Matrix Spike - Batch: 220-27167

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: 220-9060-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1549
Date Prepared: 05/13/2009 1300

Analysis Batch: 220-27172
Prep Batch: 220-27167
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_14 May
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.0031	J	0.200	0.195	96	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Duplicate - Batch: 220-27167

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: 220-9060-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1548
Date Prepared: 05/13/2009 1300

Analysis Batch: 220-27172
Prep Batch: 220-27167
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_14 May
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Phenolics, Total Recoverable	0.0031	J	0.0050	NC	20	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Method Blank - Batch: 220-27142

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 220-27142/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1010
Date Prepared: N/A

Analysis Batch: 220-27142
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Total Suspended Solids	1.0	U	0.12	1.0

Lab Control Sample - Batch: 220-27142

Method: SM 2540D
Preparation: N/A

Lab Sample ID: LCS 220-27142/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1015
Date Prepared: N/A

Analysis Batch: 220-27142
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	225	222.0	99	72 - 107	

Duplicate - Batch: 220-27142

Method: SM 2540D
Preparation: N/A

Lab Sample ID: 220-9060-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1025
Date Prepared: N/A

Analysis Batch: 220-27142
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 200 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Suspended Solids	3.5	4.00	13	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Method Blank - Batch: 220-27182

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: MB 220-27182/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2009 0905
Date Prepared: N/A

Analysis Batch: 220-27182
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Amenable	10	U	2.3	10
Cyanide, Non-amenable	10	U	2.3	10
Cyanide, Total	10	U	2.3	10

Duplicate - Batch: 220-27182

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: 220-9060-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/15/2009 0905
Date Prepared: N/A

Analysis Batch: 220-27182
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cyanide, Amenable	10	U	10	NC	20	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9060-1
Sdg Number: 220-9060

Method Blank - Batch: 220-27170

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: MB 220-27170/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1334
Date Prepared: N/A

Analysis Batch: 220-27170
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Result	Qual	RL	RL
pH	5.43		0.100	0.100

Duplicate - Batch: 220-27170

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: 220-9060-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/14/2009 1341
Date Prepared: N/A

Analysis Batch: 220-27170
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.53	7.560	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

MISCELLANEOUS DOCUMENTS

Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

9060

TAL-0015 (0508)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	5/12/09	017104
Address	**Telephone Number (Area Code)/Fax Number/e-mail address**	**Field Telephone Number**	**Page** 1 of 2
	607-762-8834		
City / **State** / **Zip Code**	**Site Contact** Matt Tourje 518-428-4383	**Lab Contact**	
Project Name and Location (State) Mechanicville M.G.P., N.Y.	**Sample Disposal** ☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)		
Contract/Purchase Order/Project No.			

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	Zn Ac/ NaOH	Other	PAH	BTEX	TSS, PH	tot met	A CN	T phenols	Comments
MCFTwwNA067	5/12/09	14:30	X									X	2						Effluent
MCFTwwNA067	5/12/09	14:30	X						X					2					↓
MCFTwwNA067 (01)	5/12/09	14:30	X									X			2				
MCFTwwNA067	5/12/09	14:30	X					X								1			
MCFTwwNA067	5/12/09	14:30	X							X							2		
MCFTwwNA067	5/12/09	14:30	X				X											1	↓
MCFTwwNA068	5/12/09	14:30	X									X	2						Between
MCFTwwNA068 (02)	5/12/09	14:30	X						X					2					Carbons
MCFTwwNA068	5/12/09	14:30	X				X											1	↓
MCFTwwNA069 (03)	5/12/09	14:30	X									X	2						Clay

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

	Date	Time
1. Relinquished By [signature]	5/12/09	18:30
2. Relinquished By		
3. Received By		

	Date	Time
1. Received By [signature]	5/13/09	955
2. Received By		

Cooler Temps 5.6°, 6.2°, 1.2°C probe #1

Passed Rad. Screen (Lab Use Only) ☑ Yes ☐ No

Comments

05/19/2009

DISTRIBUTION: *WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy*

Chain of Custody Record

[redacted]

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

9040

TAL-0015 (0508)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	5/12/09	017105
Address	**Telephone Number (Area Code)/Fax Number/e-mail address**	**Field Telephone Number**	**Page 2 of 2**
	607-762-8834		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Sample Disposal** ☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)		
Mechanicville MGP, NY			
Contract/Purchase Order/Project No.			

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	Analysis: PAH	BTEX	TPHenols	Comments
MCFTwwNA (03)	5/12/09	14:30	X						X					2		Clay
MCFTwwNA (03)	5/12/09	14:30	X				X								1	Clay
MCFTwwNA (04)	5/12/09	14:30	X						~~X~~			X	2			Influent
MCFTwwNA (04)	5/12/09	14:30	X						X					2		
MCFTwwNA (04)	5/12/09	14:30	X				X		~~X~~						1	#CS bottle labels
Trip Blanks (05)			X						2							read: MCFTwwNA 069
																#C4 bottle labels
																read: MCFTwwNA 070
																KB 5/13/09

Page 38 of 42

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

	Date	Time		Date	Time
1. Relinquished By	5/12/09	18:30	1. Received By	5/13/09	955
2. Relinquished By			2. Received By		
3. Received By			Cooler Temps: 5.6°C, 6.2°C, 1.2°C (Probe# 1)		Passed Rad. Screen (Lab Use Only): ☒ Yes ☐ No

Comments

05/19/2009

DISTRIBUTION: *WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy*

TESTAMERICA CONNECTICUT
PRESERVATIVE RECORD

Job Number:

Client:

Client Project:

Lab Number	Preservative	pH	Adjustment (mLs)	pH after Adjustment	Preservative Lot Number	Initials	Date
220-9060-01	H2SO4	<2	N/A	N/A	N/A	ICB	5/13/09
02		<2					
03		<2					
04		<2					
01	HNO3	<2					
01	NaOH	>12					
01	NaOH	>12					

5/13/09

TestAmerica - Connecticut
Internal Chain-of-Custody

220-9060
ACCOM - Mechanicsville Disch.

Trip Blank: 5

48hr TAT

QC: Air:

FB:

Soil: Water: 1-5

Date Received: 5/13/09

Sample #s: 1-5

Locations: 89E, K-1I

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-4	ILB		5/13	10:59	Ext				
1	ILB		5/13	10:15					
1-4	ILB		5/13	1100	Phenols		ILB	5/13	1600
1	ILB	JM	5/14	8:30	TSS - pH	JM	Cac	5/14	16:00
1-5	Cac		5/14/09	12:20	VOA	USPS			
1	Cac	JM	5/14	13:35	MTR	JM	Cac	5/14	1530

TestAmerica Connecticut — GC-GC/MS Extract Chain of Custody

JOB NO: 220-9060

Fraction: (BNA) / Pesticide-PCB / Herbicide / O/P Pesticide / DRO / CT ETPH / Other
(Circle one)

SAMPLE IN (Extractions)					SAMPLE IN (Extractions)				
Sample(s)	Date	Time	Sign.	Location	Sample(s)	Date	Time	Sign.	Location
1-4	5/13	13:35	J.C.	36					

SAMPLE OUT					SAMPLE IN			
Sample(s)	Date	Time	Code	Sign.	Date	Time	Location	Sign.
1-4	5/13	1445	AN	KS	5/13/09	1509	36	KS
1,2,4	5/14	1530	AN	KS	5/14/09	1547	36	KS

Codes: SC = Screening AN = Analysis

Verified By: Susan Cox Date: 5/15/09

Lab Form: SMF01203.CT

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-9060-1
SDG Number: 220-9060

Login Number: 9060
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	#03-04, see coc notes.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-9169-1

SDG Number: 220-9169

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Patty A Mercure
6/10/2009 2:02 PM

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
06/10/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Narrative
220-J9169-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. All associated samples have been qualified with the "HF" flag to indicate they were performed in the laboratory outside the 15 minute timeframe.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-9169-1	**MCFT WWNA 071**					
Barium		185		5.0	ug/L	200.7 Rev 4.4
Iron		87.2	J	125	ug/L	200.7 Rev 4.4
Manganese		928		8.0	ug/L	200.7 Rev 4.4
Nickel		1.3	J	5.0	ug/L	200.7 Rev 4.4
Zinc		7.7	J	25.0	ug/L	200.7 Rev 4.4
Total Suspended Solids		1.2		1.2	mg/L	SM 2540D
Cyanide, Amenable		43.2		10.0	ug/L	SM 4500 CN G
pH		7.58	HF	0.100	SU	SM 4500 H+ B
220-9169-3	**MCFT WWNA 073**					
Benzene		3.9	J	5.0	ug/L	624
Toluene		0.23	J	5.0	ug/L	624
Ethylbenzene		0.16	J	5.0	ug/L	624
o-Xylene		0.32	J	5.0	ug/L	624
220-9169-4	**MCFT WWNA 074**					
Benzene		230		25	ug/L	624
Toluene		19	J	25	ug/L	624
Ethylbenzene		15	J	25	ug/L	624
Xylenes, Total		61		25	ug/L	624
m&p-Xylene		29	J	50	ug/L	624
o-Xylene		33		25	ug/L	624
Acenaphthylene		8.5		4.0	ug/L	625
Anthracene		15		4.0	ug/L	625
Benzo[a]anthracene		4.1		4.0	ug/L	625
Benzo[a]pyrene		3.4	J B	4.0	ug/L	625
Benzo[b]fluoranthene		2.3	J	4.0	ug/L	625
Benzo[g,h,i]perylene		1.4	J B	4.0	ug/L	625
Benzo[k]fluoranthene		1.0	J	4.0	ug/L	625
Chrysene		3.7	J	4.0	ug/L	625
Fluoranthene		13		4.0	ug/L	625
Fluorene		39		4.0	ug/L	625
Indeno[1,2,3-cd]pyrene		1.3	J B	4.0	ug/L	625
Phenanthrene		13		4.0	ug/L	625
Pyrene		19		4.0	ug/L	625
Phenolics, Total Recoverable		0.091		0.0050	mg/L	420.4

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-9169-1	MCFT WWNA 071	Water	05/27/2009 1400	05/28/2009 1020
220-9169-2	MCFT WWNA 072	Water	05/27/2009 1400	05/28/2009 1020
220-9169-3	MCFT WWNA 073	Water	05/27/2009 1400	05/28/2009 1020
220-9169-4	MCFT WWNA 074	Water	05/27/2009 1400	05/28/2009 1020
220-9169-5TB	TRIP BLANKS	Water	05/27/2009 0000	05/28/2009 1020

SAMPLE RESULTS

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Client Sample ID: **MCFT WWNA 071**

Lab Sample ID: 220-9169-1
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/03/2009 1539
Date Prepared: N/A

Analysis Batch: 220-27686

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7254.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	60 - 127
4-Bromofluorobenzene	100	47 - 120
Toluene-d8 (Surr)	98	83 - 120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Client Sample ID: **MCFT WWNA 072**

Lab Sample ID: 220-9169-2
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/03/2009 1605
Date Prepared: N/A

Analysis Batch: 220-27686

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7255.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	60 - 127
4-Bromofluorobenzene	100	47 - 120
Toluene-d8 (Surr)	98	83 - 120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Client Sample ID: **MCFT WWNA 073**

Lab Sample ID: 220-9169-3
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/03/2009 1632
Date Prepared: N/A

Analysis Batch: 220-27686

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7256.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	3.9	J	0.099	5.0
Toluene	0.23	J	0.074	5.0
Ethylbenzene	0.16	J	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	0.32	J	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	60 - 127
4-Bromofluorobenzene	101	47 - 120
Toluene-d8 (Surr)	100	83 - 120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Client Sample ID: **MCFT WWNA 074**

Lab Sample ID: 220-9169-4
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 5.0
Date Analyzed: 06/03/2009 1701
Date Prepared: N/A

Analysis Batch: 220-27686

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7257.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	230		0.50	25
Toluene	19	J	0.37	25
Ethylbenzene	15	J	0.77	25
Xylenes, Total	61		5.0	25
m&p-Xylene	29	J	3.4	50
o-Xylene	33		1.4	25

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	60 - 127
4-Bromofluorobenzene	103	47 - 120
Toluene-d8 (Surr)	99	83 - 120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Client Sample ID: **TRIP BLANKS**

Lab Sample ID: 220-9169-5TB
Client Matrix: Water

Date Sampled: 05/27/2009 0000
Date Received: 05/28/2009 1020

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/03/2009 1446
Date Prepared: N/A

Analysis Batch: 220-27686

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7252.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	60 - 127
4-Bromofluorobenzene	95	47 - 120
Toluene-d8 (Surr)	97	83 - 120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Client Sample ID: **MCFT WWNA 071**

Lab Sample ID: 220-9169-1
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/28/2009 1627
Date Prepared: 05/28/2009 1241

Analysis Batch: 220-27523
Prep Batch: 220-27475

Instrument ID: HP 6890/5975
Lab File ID: Cx11409.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	66	38 - 120
Nitrobenzene-d5	72	34 - 120
Terphenyl-d14	62	10 - 120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Client Sample ID: **MCFT WWNA 072**

Lab Sample ID: 220-9169-2
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/28/2009 1654
Date Prepared: 05/28/2009 1241

Analysis Batch: 220-27523
Prep Batch: 220-27475

Instrument ID: HP 6890/5975
Lab File ID: Cx11410.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	70	38 - 120
Nitrobenzene-d5	77	34 - 120
Terphenyl-d14	59	10 - 120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Client Sample ID: **MCFT WWNA 073**

Lab Sample ID: 220-9169-3
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/28/2009 1721
Date Prepared: 05/28/2009 1241

Analysis Batch: 220-27523
Prep Batch: 220-27475

Instrument ID: HP 6890/5975
Lab File ID: Cx11411.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	64	38 - 120
Nitrobenzene-d5	72	34 - 120
Terphenyl-d14	50	10 - 120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Client Sample ID: **MCFT WWNA 074**

Lab Sample ID: 220-9169-4
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 05/30/2009 2222
Date Prepared: 05/28/2009 1241

Analysis Batch: 220-27563
Prep Batch: 220-27475

Instrument ID: HP 6890/5975
Lab File ID: Cx11491.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	8.5		0.34	4.0
Anthracene	15		0.29	4.0
Benzo[a]anthracene	4.1		0.30	4.0
Benzo[a]pyrene	3.4	J B	0.35	4.0
Benzo[b]fluoranthene	2.3	J	0.36	4.0
Benzo[g,h,i]perylene	1.4	J B	0.36	4.0
Benzo[k]fluoranthene	1.0	J	0.40	4.0
Chrysene	3.7	J	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	13		0.31	4.0
Fluorene	39		0.26	4.0
Indeno[1,2,3-cd]pyrene	1.3	J B	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	13		0.28	4.0
Pyrene	19		0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	74	38 - 120
Nitrobenzene-d5	68	34 - 120
Terphenyl-d14	84	10 - 120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Client Sample ID: MCFT WWNA 071

Lab Sample ID: 220-9169-1
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 06/01/2009 1429
Date Prepared: 05/29/2009 1051

Analysis Batch: 220-27603
Prep Batch: 220-27533

Instrument ID: TJA Trace ICAP
Lab File ID: W060109
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	185		0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.0	U	1.5	5.0
Iron	87.2	J	15.0	125
Manganese	928		0.25	8.0
Nickel	1.3	J	1.0	5.0
Lead	15.0	U	2.5	15.0
Zinc	7.7	J	5.0	25.0

General Chemistry

Client Sample ID: MCFT WWNA 071

Lab Sample ID: 220-9169-1
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	1.2		mg/L	0.42	1.2	1.0	SM 2540D
Anly Batch: 220-27529	Date Analyzed			05/29/2009 1057			
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27547	Date Analyzed			05/29/2009 1421			
Prep Batch: 220-27528	Date Prepared:			05/28/2009 1350			
Cyanide, Amenable	43.2		ug/L	2.9	10.0	1.0	SM 4500 CN G
Anly Batch: 220-27515	Date Analyzed			05/30/2009 1135			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.58	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-27566	Date Analyzed			05/29/2009 0943			

Client Sample ID: MCFT WWNA 072

Lab Sample ID: 220-9169-2
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27547	Date Analyzed			05/29/2009 1422			
Prep Batch: 220-27528	Date Prepared:			05/28/2009 1350			

Client Sample ID: MCFT WWNA 073

Lab Sample ID: 220-9169-3
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27547	Date Analyzed			05/29/2009 1423			
Prep Batch: 220-27528	Date Prepared:			05/28/2009 1350			

Client Sample ID: MCFT WWNA 074

Lab Sample ID: 220-9169-4
Client Matrix: Water

Date Sampled: 05/27/2009 1400
Date Received: 05/28/2009 1020

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.091		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27547	Date Analyzed			05/29/2009 1424			
Prep Batch: 220-27528	Date Prepared:			05/28/2009 1350			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	B	The analyte was found in an associated blank, as well as in the sample.
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.

QUALITY CONTROL RESULTS

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-27686					
LCS 220-27686/2	Lab Control Sample	T	Water	624	
MSB 220-27686/20	Matrix Spike Blank	T	Water	624	
MB 220-27686/3	Method Blank	T	Water	624	
220-9169-1	MCFT WWNA 071	T	Water	624	
220-9169-2	MCFT WWNA 072	T	Water	624	
220-9169-3	MCFT WWNA 073	T	Water	624	
220-9169-4	MCFT WWNA 074	T	Water	624	
220-9169-5TB	TRIP BLANKS	T	Water	624	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 220-27475					
LCS 220-27475/2-A	Lab Control Sample	T	Water	625	
MB 220-27475/1-A	Method Blank	T	Water	625	
220-9169-1	MCFT WWNA 071	T	Water	625	
220-9169-2	MCFT WWNA 072	T	Water	625	
220-9169-3	MCFT WWNA 073	T	Water	625	
220-9169-4	MCFT WWNA 074	T	Water	625	
Analysis Batch:220-27523					
LCS 220-27475/2-A	Lab Control Sample	T	Water	625	220-27475
MB 220-27475/1-A	Method Blank	T	Water	625	220-27475
220-9169-1	MCFT WWNA 071	T	Water	625	220-27475
220-9169-2	MCFT WWNA 072	T	Water	625	220-27475
220-9169-3	MCFT WWNA 073	T	Water	625	220-27475
Analysis Batch:220-27563					
220-9169-4	MCFT WWNA 074	T	Water	625	220-27475

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-27533					
LCS 220-27533/2-A	Lab Control Sample	T	Water	200.7	
MB 220-27533/1-A	Method Blank	T	Water	200.7	
220-9169-1	MCFT WWNA 071	T	Water	200.7	
Analysis Batch:220-27603					
LCS 220-27533/2-A	Lab Control Sample	T	Water	200.7 Rev 4.4	220-27533
MB 220-27533/1-A	Method Blank	T	Water	200.7 Rev 4.4	220-27533
220-9169-1	MCFT WWNA 071	T	Water	200.7 Rev 4.4	220-27533

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:220-27515					
MB 220-27515/1	Method Blank	T	Water	SM 4500 CN G	
220-9169-1	MCFT WWNA 071	T	Water	SM 4500 CN G	
Prep Batch: 220-27528					
LCS 220-27528/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 220-27528/1-A	Method Blank	T	Water	Distill/Phenol	
220-9169-1	MCFT WWNA 071	T	Water	Distill/Phenol	
220-9169-2	MCFT WWNA 072	T	Water	Distill/Phenol	
220-9169-3	MCFT WWNA 073	T	Water	Distill/Phenol	
220-9169-4	MCFT WWNA 074	T	Water	Distill/Phenol	
Analysis Batch:220-27529					
LCS 220-27529/2	Lab Control Sample	T	Water	SM 2540D	
MB 220-27529/1	Method Blank	T	Water	SM 2540D	
220-9169-1	MCFT WWNA 071	T	Water	SM 2540D	
Analysis Batch:220-27547					
LCS 220-27528/2-A	Lab Control Sample	T	Water	420.4	220-27528
MB 220-27528/1-A	Method Blank	T	Water	420.4	220-27528
220-9169-1	MCFT WWNA 071	T	Water	420.4	220-27528
220-9169-2	MCFT WWNA 072	T	Water	420.4	220-27528
220-9169-3	MCFT WWNA 073	T	Water	420.4	220-27528
220-9169-4	MCFT WWNA 074	T	Water	420.4	220-27528
Analysis Batch:220-27566					
MB 220-27566/3	Method Blank	T	Water	SM 4500 H+ B	
220-9169-1	MCFT WWNA 071	T	Water	SM 4500 H+ B	
220-9169-1DU	Duplicate	T	Water	SM 4500 H+ B	

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	12DCE %Rec	BFB %Rec	TOL %Rec
220-9169-1	MCFT WWNA 071	100	100	98
220-9169-2	MCFT WWNA 072	99	100	98
220-9169-3	MCFT WWNA 073	100	101	100
220-9169-4	MCFT WWNA 074	100	103	99
220-9169-5	TRIP BLANKS	96	95	97
MB 220-27686/3		97	97	98
LCS 220-27686/2		96	102	99
MSB 220-27686/20		103	104	99

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	60-127
BFB = 4-Bromofluorobenzene	47-120
TOL = Toluene-d8 (Surr)	83-120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
220-9169-1	MCFT WWNA 071	66	72	62
220-9169-2	MCFT WWNA 072	70	77	59
220-9169-3	MCFT WWNA 073	64	72	50
220-9169-4	MCFT WWNA 074	74	68	84
MB 220-27475/1-A		55	58	67
LCS 220-27475/2-A		62	65	72

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	38-120
NBZ = Nitrobenzene-d5	34-120
TPH = Terphenyl-d14	10-120

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Method Blank - Batch: 220-27686

Method: 624
Preparation: N/A

Lab Sample ID: MB 220-27686/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1214
Date Prepared: N/A

Analysis Batch: 220-27686
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7248.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	60 - 127
4-Bromofluorobenzene	97	47 - 120
Toluene-d8 (Surr)	98	83 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Lab Control Sample - Batch: 220-27686

Method: 624
Preparation: N/A

Lab Sample ID: LCS 220-27686/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1058
Date Prepared: N/A

Analysis Batch: 220-27686
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7246.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	20.0	100	37 - 151	
Toluene	20.0	20.1	100	47 - 150	
Ethylbenzene	20.0	20.8	104	37 - 162	
Xylenes, Total	60.0	62.7	105	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	60 - 127
4-Bromofluorobenzene	102	47 - 120
Toluene-d8 (Surr)	99	83 - 120

Matrix Spike Blank - Batch: 220-27686

Method: 624
Preparation: N/A

Lab Sample ID: MSB 220-27686/20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/04/2009 0017
Date Prepared: N/A

Analysis Batch: 220-27686
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7270.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	19.9	99	37 - 151	
Toluene	20.0	19.9	99	47 - 150	
Ethylbenzene	20.0	20.5	103	37 - 162	
Xylenes, Total	60.0	63.3	105	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	60 - 127
4-Bromofluorobenzene	104	47 - 120
Toluene-d8 (Surr)	99	83 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Method Blank - Batch: 220-27475

Method: 625
Preparation: 625

Lab Sample ID: MB 220-27475/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/28/2009 1533
Date Prepared: 05/28/2009 1115

Analysis Batch: 220-27523
Prep Batch: 220-27475
Units: ug/L

Instrument ID: HP 6890/5975
Lab File ID: Cx11407.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	0.67	J	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	1.1	J	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	0.75	J	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	0.93	J	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	55	38 - 120
Nitrobenzene-d5	58	34 - 120
Terphenyl-d14	67	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Lab Control Sample - Batch: 220-27475

Method: 625
Preparation: 625

Lab Sample ID: LCS 220-27475/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/28/2009 1600
Date Prepared: 05/28/2009 1115

Analysis Batch: 220-27523
Prep Batch: 220-27475
Units: ug/L

Instrument ID: HP 6890/5975
Lab File ID: Cx11408.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	28.3	71	47 - 145	
Acenaphthylene	40.0	27.7	69	33 - 145	
Anthracene	40.0	32.9	82	27 - 133	
Benzo[a]anthracene	40.0	32.8	82	33 - 143	
Benzo[a]pyrene	40.0	36.2	90	17 - 163	
Benzo[b]fluoranthene	40.0	32.2	81	24 - 159	
Benzo[g,h,i]perylene	40.0	30.2	76	1 - 219	
Benzo[k]fluoranthene	40.0	32.3	81	11 - 162	
Chrysene	40.0	33.0	83	17 - 168	
Dibenz(a,h)anthracene	40.0	31.8	79	1 - 227	
Fluoranthene	40.0	32.6	81	26 - 137	
Fluorene	40.0	31.0	78	59 - 121	
Indeno[1,2,3-cd]pyrene	40.0	31.4	78	1 - 171	
Naphthalene	40.0	24.0	60	21 - 133	
Phenanthrene	40.0	32.8	82	54 - 120	
Pyrene	40.0	32.7	82	52 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	62	38 - 120
Nitrobenzene-d5	65	34 - 120
Terphenyl-d14	72	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Method Blank - Batch: 220-27533

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 220-27533/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/01/2009 1343
Date Prepared: 05/29/2009 1051

Analysis Batch: 220-27603
Prep Batch: 220-27533
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W060109
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	5.0	U	0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.0	U	1.5	5.0
Iron	125	U	15.0	125
Manganese	8.0	U	0.25	8.0
Nickel	5.0	U	1.0	5.0
Lead	5.0	J	2.5	15.0
Zinc	25.0	U	5.0	25.0

Lab Control Sample - Batch: 220-27533

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: LCS 220-27533/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/01/2009 1349
Date Prepared: 05/29/2009 1051

Analysis Batch: 220-27603
Prep Batch: 220-27533
Units: ug/L

Instrument ID: TJA Trace ICAP 61E2
Lab File ID: W060109
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	300	325	108	85 - 115	
Cadmium	300	329	110	85 - 115	
Chromium	300	336	112	85 - 115	
Copper	300	332	111	85 - 115	
Iron	25000	27100	108	85 - 115	
Manganese	200	226	113	85 - 115	
Nickel	300	331	110	85 - 115	
Lead	1000	1080	108	85 - 115	
Zinc	300	338	113	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Method Blank - Batch: 220-27528

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: MB 220-27528/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/29/2009 1408
Date Prepared: 05/27/2009 1350

Analysis Batch: 220-27547
Prep Batch: 220-27528
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_29 May
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	0.0050	U	0.0025	0.0050

Lab Control Sample - Batch: 220-27528

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: LCS 220-27528/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/29/2009 1409
Date Prepared: 05/27/2009 1350

Analysis Batch: 220-27547
Prep Batch: 220-27528
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_29 May
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.517	0.482	93	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Method Blank - Batch: 220-27529

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 220-27529/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/29/2009 1045
Date Prepared: N/A

Analysis Batch: 220-27529
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Total Suspended Solids	1.0	U	0.34	1.0

Lab Control Sample - Batch: 220-27529

Method: SM 2540D
Preparation: N/A

Lab Sample ID: LCS 220-27529/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/29/2009 1048
Date Prepared: N/A

Analysis Batch: 220-27529
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	225	223.0	99	72 - 107	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Method Blank - Batch: 220-27515

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: MB 220-27515/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/28/2009 1717
Date Prepared: N/A

Analysis Batch: 220-27515
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Amenable	10.0	U	2.9	10.0
Cyanide, Non-amenable	10.0	U	2.9	10.0
Cyanide, Total	10.0	U	2.9	10.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9169-1
Sdg Number: 220-9169

Method Blank - Batch: 220-27566

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: MB 220-27566/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/29/2009 0935
Date Prepared: N/A

Analysis Batch: 220-27566
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Result	Qual	RL	RL
pH	5.39		0.100	0.100

Duplicate - Batch: 220-27566

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: 220-9169-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/29/2009 0947
Date Prepared: N/A

Analysis Batch: 220-27566
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.58	7.550	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

TAL-0015 (0508)

Client: NYSEG	Project Manager: Tracy Blazicek	Date: 5/27/09	Chain of Custody Number: 017032
Address:	Telephone Number (Area Code)/Fax Number/e-mail address: 607-762-8834	Field Telephone Number:	Page 1 of 2
City:	State:	Zip Code:	Site Contact: Matt Thorpe 518-428-4383
Lab Contact:	Project Name and Location (State): Mechanicville MGP, NY	Contract/Purchase Order/Project No.: 94560	

Sample Disposal: ☒ Disposal By Lab ☐ Return To Client ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	PAH	BTEX	TSS+pH	total met	A CN	TPhenols	Comments
MCFT WWNA 071	5/27/09	1400	X									X	2						
MCFT WWNA 071	5/27/09	1400	X						X					2					passed rad screen
MCFT WWNA 071	5/27/09	1400	X									X			2				
MCFT WWNA 071	5/27/09	1400	X					X								1			
MCFT WWNA 071	5/27/09	1400	X							X							2		
MCFT WWNA 071	5/27/09	1400	X				X											1	
MCFT WWNA 072	5/27/09	1400	X									X	2						Between Carbons
MCFT WWNA 072	5/27/09	1400	X							X				2					
MCFT WWNA 072	5/27/09	1400	X				X											1	

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____

State Regulatory QC Requirements

1. Relinquished By	Date: 5/27/09	Time: 1700	1. Received By	Date: 5-28-09	Time: 10:20
2. Relinquished By	Date:	Time:	2. Received By	Date:	Time:
3. Received By	Date:	Time:	Cooler Temps	Passed Rad. Screen (Lab Use Only): ☐ Yes ☐ No	

Comments

280-9169

Prob # 5.0°C
2.0C

06/10/2009

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with

Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

TAL-0015 (0508)

Client: NYSEG	Project Manager: Tracy Blazicek	Date: 5/27/09	Chain of Custody Number: 017106
Address:	Telephone Number (Area Code)/Fax Number/e-mail address: 607-762-8834	Field Telephone Number:	Page 2 of 2
City:	State:	Zip Code:	Site Contact: Matt Thorpe 518-428-4383	Lab Contact:
Project Name and Location (State): Mechanicville MGP, NY	Sample Disposal: ☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)		
Contract/Purchase Order/Project No.: 94560			

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	Analysis: PAH	BTEX	TPhenols	Comments
MCFT WWNA 073	5/27/09	1400	X									X	2			Clay
MCFT WWNA 073	5/27/09	1400	X						X					2		
MCFT WWNA 073	5/27/09	1400	X				X								1	
MCFT WWNA 074	5/27/09	1400	X									X	2			Influent
MCFT WWNA 074	5/27/09	1400	X						X					2		
MCFT WWNA 074	5/27/09	1400	X				X								1	
Trip Blanks									X							

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

1. Relinquished By	Date: 5/27/09	Time: 1700	1. Received By	Date: 5-28-09	Time: 10:20
2. Relinquished By	Date:	Time:	2. Received By	Date:	Time:
3. Received By	Date:	Time:	Cooler Temps	Passed Rad. Screen (Lab Use Only): ☐ Yes ☐ No	

Comments

220-9169

Probe 5-0°C
2.0°C

06/10/2009

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with

ESTAMERICA CONNECTICUT
PRESERVATIVE RECORD

Job Number:

Client:

Client Project:

Lab Number	Preservative	pH	Adjustment (mLs)	pH after Adjustment	Preservative Lot Number	Initials	Date
~~220-6[illegible]~~				5/28/09			
220-9169 -1	NaOH	712	nA	nA	nA	[illegible]	5/28/09
-1	NaOH	712					
-1	HNO_3	<2					
-1	H_2SO_4	<2					
-2	H_2SO_4	<2					
-3	H_2SO_4	<2					
220-9169 -4	H_2SO_4	<2	nA	nA	nA	[illegible]	5/28/09
				5/28/09			

220-9169

Accom/Mechanicville

TestAmerica - Connecticut
Internal Chain-of-Custody

Trip Blank: #5

QC: —

FB: —

Soil: ✓

Air: — 48 hr TAT

Water: #1-5

Date Received: 5/28/09

Sample #s: 1-5

Locations: 91B, R-1E

Laboratory Sample #	Signature-Sample Removal	Date	Time	Reason	Signature-Sample Return	Date	Time
1-4	—	5/28	12:37	EX	es		
1-4	[illegible]	~~5/28~~	13:15	Phenol	[illegible]	5/28	1500
1	JM	05/29/09	8:45	TSS	JM for JM	5/29/09	1700
1	JV	5/29	10:11	NTR	JV	5/29	1105
1-5	D.H.	5/29/09	14:30	VOA	Used		
1-5	D.H.	6/3/09	14:00	VOA	Used		

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-9169-1
SDG Number: 220-9169

Login Number: 9169
List Source: TestAmerica Connecticut
Creator: Dini, Tracy
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.0C,2.0C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

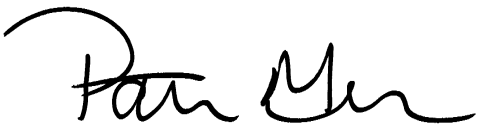
Job Number: 220-9227-1

SDG Number: 220-9227

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill



Approved for release.
Patty A Mercure
6/10/2009 2:09 PM

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
06/10/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

Job Narrative
220-J9227-1

Comments
No additional comments.

Receipt
All samples were received at the laboratory with no sample collection time documented on the chain of custody. Collection times were used as documented on the sample contain labels.

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain-of-Custody (COC). The trip blank was entered on the coc via TestAmerica Sample Receiving Dept.

All other samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC/MS Semi VOA
No analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
Method(s) SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. All associated samples have been qualified with the "HF" flag to indicate they were performed in the laboratory outside the 15 minute timeframe.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-9227-1	**MCFT WWNA 075**					
Barium		205		5.0	ug/L	200.7 Rev 4.4
Copper		7.1	J	10.0	ug/L	200.7 Rev 4.4
Iron		241		125	ug/L	200.7 Rev 4.4
Manganese		1200		8.0	ug/L	200.7 Rev 4.4
Nickel		3.4	J	5.0	ug/L	200.7 Rev 4.4
Zinc		11.0	J	25.0	ug/L	200.7 Rev 4.4
Total Suspended Solids		2.3		1.7	mg/L	SM 2540D
Cyanide, Amenable		71.4		10.0	ug/L	SM 4500 CN G
pH		7.43	HF	0.100	SU	SM 4500 H+ B
220-9227-2	**MCFT WWNA 076**					
Phenolics, Total Recoverable		0.0029	J	0.0050	mg/L	420.4
220-9227-3	**MCFT WWNA 077**					
Benzene		7.4		5.0	ug/L	624
Toluene		0.72	J	5.0	ug/L	624
Ethylbenzene		2.0	J	5.0	ug/L	624
Xylenes, Total		1.3	J	5.0	ug/L	624
o-Xylene		0.64	J	5.0	ug/L	624
Phenolics, Total Recoverable		0.0056		0.0050	mg/L	420.4
220-9227-4	**MCFT WWNA 078**					
Benzene		290		25	ug/L	624
Toluene		71		25	ug/L	624
Ethylbenzene		270		25	ug/L	624
Xylenes, Total		250		25	ug/L	624
m&p-Xylene		130		50	ug/L	624
o-Xylene		120		25	ug/L	624
Acenaphthene		77		4.0	ug/L	625
Acenaphthylene		8.6		4.0	ug/L	625
Anthracene		4.1		4.0	ug/L	625
Benzo[a]anthracene		0.42	J	4.0	ug/L	625
Chrysene		0.33	J	4.0	ug/L	625
Fluoranthene		2.5	J	4.0	ug/L	625
Fluorene		26		4.0	ug/L	625
Phenanthrene		20		4.0	ug/L	625
Pyrene		2.9	J	4.0	ug/L	625
Phenolics, Total Recoverable		0.058		0.0050	mg/L	420.4

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-9227-1	MCFT WWNA 075	Water	06/02/2009 1400	06/03/2009 0944
220-9227-2	MCFT WWNA 076	Water	06/02/2009 1400	06/03/2009 0944
220-9227-3	MCFT WWNA 077	Water	06/02/2009 1400	06/03/2009 0944
220-9227-4	MCFT WWNA 078	Water	06/02/2009 1400	06/03/2009 0944
220-9227-5TB	TRIP BLANK	Water	06/02/2009 0000	06/03/2009 0944

SAMPLE RESULTS

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Client Sample ID: **MCFT WWNA 075**

Lab Sample ID: 220-9227-1
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/03/2009 1944
Date Prepared: N/A

Analysis Batch: 220-27686

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7262.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	60 - 127
4-Bromofluorobenzene	99	47 - 120
Toluene-d8 (Surr)	100	83 - 120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Client Sample ID: **MCFT WWNA 076**

Lab Sample ID: 220-9227-2
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/03/2009 2010
Date Prepared: N/A

Analysis Batch: 220-27686

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7263.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	60 - 127
4-Bromofluorobenzene	100	47 - 120
Toluene-d8 (Surr)	100	83 - 120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Client Sample ID: **MCFT WWNA 077**

Lab Sample ID: 220-9227-3
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/03/2009 2037
Date Prepared: N/A

Analysis Batch: 220-27686

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7264.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	7.4		0.099	5.0
Toluene	0.72	J	0.074	5.0
Ethylbenzene	2.0	J	0.15	5.0
Xylenes, Total	1.3	J	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	0.64	J	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	60 - 127
4-Bromofluorobenzene	100	47 - 120
Toluene-d8 (Surr)	98	83 - 120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Client Sample ID: **MCFT WWNA 078**

Lab Sample ID: 220-9227-4
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 5.0
Date Analyzed: 06/03/2009 1728
Date Prepared: N/A

Analysis Batch: 220-27686

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7258.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	290		0.50	25
Toluene	71		0.37	25
Ethylbenzene	270		0.77	25
Xylenes, Total	250		5.0	25
m&p-Xylene	130		3.4	50
o-Xylene	120		1.4	25

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	60 - 127
4-Bromofluorobenzene	105	47 - 120
Toluene-d8 (Surr)	100	83 - 120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 220-9227-5TB
Client Matrix: Water

Date Sampled: 06/02/2009 0000
Date Received: 06/03/2009 0944

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/03/2009 1917
Date Prepared: N/A

Analysis Batch: 220-27686

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7261.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	60 - 127
4-Bromofluorobenzene	99	47 - 120
Toluene-d8 (Surr)	99	83 - 120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Client Sample ID: **MCFT WWNA 075**

Lab Sample ID: 220-9227-1
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 06/04/2009 0132
Date Prepared: 06/03/2009 1029

Analysis Batch: 220-27706
Prep Batch: 220-27654

Instrument ID: HP 6890/5975
Lab File ID: Ax5363.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	70	38 - 120
Nitrobenzene-d5	71	34 - 120
Terphenyl-d14	55	10 - 120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Client Sample ID: **MCFT WWNA 076**

Lab Sample ID: 220-9227-2
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 06/04/2009 0158
Date Prepared: 06/03/2009 1029

Analysis Batch: 220-27706
Prep Batch: 220-27654

Instrument ID: HP 6890/5975
Lab File ID: Ax5364.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	68	38 - 120
Nitrobenzene-d5	71	34 - 120
Terphenyl-d14	51	10 - 120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Client Sample ID: **MCFT WWNA 077**

Lab Sample ID: 220-9227-3
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 06/04/2009 0225
Date Prepared: 06/03/2009 1029

Analysis Batch: 220-27706
Prep Batch: 220-27654

Instrument ID: HP 6890/5975
Lab File ID: Ax5365.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	59	38 - 120
Nitrobenzene-d5	62	34 - 120
Terphenyl-d14	48	10 - 120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Client Sample ID: **MCFT WWNA 078**

Lab Sample ID: 220-9227-4
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 06/04/2009 0251
Date Prepared: 06/03/2009 1029

Analysis Batch: 220-27706
Prep Batch: 220-27654

Instrument ID: HP 6890/5975
Lab File ID: Ax5366.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	77		0.31	4.0
Acenaphthylene	8.6		0.34	4.0
Anthracene	4.1		0.29	4.0
Benzo[a]anthracene	0.42	J	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	0.33	J	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	2.5	J	0.31	4.0
Fluorene	26		0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	20		0.28	4.0
Pyrene	2.9	J	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	69	38 - 120
Nitrobenzene-d5	76	34 - 120
Terphenyl-d14	42	10 - 120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Client Sample ID: MCFT WWNA 075

Lab Sample ID: 220-9227-1
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 06/04/2009 1325
Date Prepared: 06/03/2009 1416

Analysis Batch: 220-27737
Prep Batch: 220-27675

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	205		0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	7.1	J	1.5	10.0
Iron	241		15.0	125
Manganese	1200		0.25	8.0
Nickel	3.4	J	1.0	5.0
Lead	15.0	U	2.5	15.0
Zinc	11.0	J	5.0	25.0

General Chemistry

Client Sample ID: MCFT WWNA 075

Lab Sample ID: 220-9227-1
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	2.3		mg/L	0.56	1.7	1.0	SM 2540D
Anly Batch: 220-27689	Date Analyzed			06/03/2009 1650			
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27756	Date Analyzed			06/05/2009 1342			
Prep Batch: 220-27691	Date Prepared:			06/03/2009 1345			
Cyanide, Amenable	71.4		ug/L	2.9	10.0	1.0	SM 4500 CN G
Anly Batch: 220-27703	Date Analyzed			06/04/2009 0924			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.43	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-27698	Date Analyzed			06/03/2009 1521			

Client Sample ID: MCFT WWNA 076

Lab Sample ID: 220-9227-2
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0029	J	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27756	Date Analyzed			06/05/2009 1343			
Prep Batch: 220-27691	Date Prepared:			06/03/2009 1345			

Client Sample ID: MCFT WWNA 077

Lab Sample ID: 220-9227-3
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0056		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27756	Date Analyzed			06/05/2009 1344			
Prep Batch: 220-27691	Date Prepared:			06/03/2009 1345			

Client Sample ID: MCFT WWNA 078

Lab Sample ID: 220-9227-4
Client Matrix: Water

Date Sampled: 06/02/2009 1400
Date Received: 06/03/2009 0944

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.058		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27756	Date Analyzed			06/05/2009 1345			
Prep Batch: 220-27691	Date Prepared:			06/03/2009 1345			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
Metals		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-27686					
LCS 220-27686/2	Lab Control Sample	T	Water	624	
MSB 220-27686/20	Matrix Spike Blank	T	Water	624	
MB 220-27686/3	Method Blank	T	Water	624	
220-9227-1	MCFT WWNA 075	T	Water	624	
220-9227-2	MCFT WWNA 076	T	Water	624	
220-9227-3	MCFT WWNA 077	T	Water	624	
220-9227-4	MCFT WWNA 078	T	Water	624	
220-9227-5TB	TRIP BLANK	T	Water	624	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 220-27654					
LCS 220-27654/2-A	Lab Control Sample	T	Water	625	
MB 220-27654/1-A	Method Blank	T	Water	625	
220-9227-1	MCFT WWNA 075	T	Water	625	
220-9227-2	MCFT WWNA 076	T	Water	625	
220-9227-3	MCFT WWNA 077	T	Water	625	
220-9227-4	MCFT WWNA 078	T	Water	625	
Analysis Batch:220-27706					
LCS 220-27654/2-A	Lab Control Sample	T	Water	625	220-27654
MB 220-27654/1-A	Method Blank	T	Water	625	220-27654
220-9227-1	MCFT WWNA 075	T	Water	625	220-27654
220-9227-2	MCFT WWNA 076	T	Water	625	220-27654
220-9227-3	MCFT WWNA 077	T	Water	625	220-27654
220-9227-4	MCFT WWNA 078	T	Water	625	220-27654

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 220-27675					
LCS 220-27675/2-A	Lab Control Sample	T	Water	200.7	
MB 220-27675/1-A	Method Blank	T	Water	200.7	
220-9227-1	MCFT WWNA 075	T	Water	200.7	
Analysis Batch:220-27737					
LCS 220-27675/2-A	Lab Control Sample	T	Water	200.7 Rev 4.4	220-27675
MB 220-27675/1-A	Method Blank	T	Water	200.7 Rev 4.4	220-27675
220-9227-1	MCFT WWNA 075	T	Water	200.7 Rev 4.4	220-27675

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:220-27689					
LCS 220-27689/2	Lab Control Sample	T	Water	SM 2540D	
MB 220-27689/1	Method Blank	T	Water	SM 2540D	
220-9227-1	MCFT WWNA 075	T	Water	SM 2540D	
220-9227-1DU	Duplicate	T	Water	SM 2540D	
Prep Batch: 220-27691					
LCS 220-27691/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 220-27691/1-A	Method Blank	T	Water	Distill/Phenol	
220-9227-1	MCFT WWNA 075	T	Water	Distill/Phenol	
220-9227-2	MCFT WWNA 076	T	Water	Distill/Phenol	
220-9227-3	MCFT WWNA 077	T	Water	Distill/Phenol	
220-9227-4	MCFT WWNA 078	T	Water	Distill/Phenol	
Analysis Batch:220-27698					
MB 220-27698/3	Method Blank	T	Water	SM 4500 H+ B	
220-9227-1	MCFT WWNA 075	T	Water	SM 4500 H+ B	
220-9227-1DU	Duplicate	T	Water	SM 4500 H+ B	
Analysis Batch:220-27703					
MB 220-27703/1	Method Blank	T	Water	SM 4500 CN G	
220-9227-1	MCFT WWNA 075	T	Water	SM 4500 CN G	
220-9227-1DU	Duplicate	T	Water	SM 4500 CN G	
Analysis Batch:220-27756					
LCS 220-27691/2-A	Lab Control Sample	T	Water	420.4	220-27691
MB 220-27691/1-A	Method Blank	T	Water	420.4	220-27691
220-9227-1	MCFT WWNA 075	T	Water	420.4	220-27691
220-9227-2	MCFT WWNA 076	T	Water	420.4	220-27691
220-9227-3	MCFT WWNA 077	T	Water	420.4	220-27691
220-9227-4	MCFT WWNA 078	T	Water	420.4	220-27691

Report Basis
T = Total

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	12DCE %Rec	BFB %Rec	TOL %Rec
220-9227-1	MCFT WWNA 075	101	99	100
220-9227-2	MCFT WWNA 076	101	100	100
220-9227-3	MCFT WWNA 077	101	100	98
220-9227-4	MCFT WWNA 078	101	105	100
220-9227-5	TRIP BLANK	99	99	99
MB 220-27686/3		97	97	98
LCS 220-27686/2		96	102	99
MSB 220-27686/20		103	104	99

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	60-127
BFB = 4-Bromofluorobenzene	47-120
TOL = Toluene-d8 (Surr)	83-120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Surrogate Recovery Report

625 Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
220-9227-1	MCFT WWNA 075	70	71	55
220-9227-2	MCFT WWNA 076	68	71	51
220-9227-3	MCFT WWNA 077	59	62	48
220-9227-4	MCFT WWNA 078	69	76	42
MB 220-27654/1-A		64	63	77
LCS 220-27654/2-A		75	73	79

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	38-120
NBZ = Nitrobenzene-d5	34-120
TPH = Terphenyl-d14	10-120

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Method Blank - Batch: 220-27686

Method: 624
Preparation: N/A

Lab Sample ID: MB 220-27686/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1214
Date Prepared: N/A

Analysis Batch: 220-27686
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7248.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	60 - 127
4-Bromofluorobenzene	97	47 - 120
Toluene-d8 (Surr)	98	83 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Lab Control Sample - Batch: 220-27686

Method: 624
Preparation: N/A

Lab Sample ID: LCS 220-27686/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1058
Date Prepared: N/A

Analysis Batch: 220-27686
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7246.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	20.0	100	37 - 151	
Toluene	20.0	20.1	100	47 - 150	
Ethylbenzene	20.0	20.8	104	37 - 162	
Xylenes, Total	60.0	62.7	105	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	60 - 127
4-Bromofluorobenzene	102	47 - 120
Toluene-d8 (Surr)	99	83 - 120

Matrix Spike Blank - Batch: 220-27686

Method: 624
Preparation: N/A

Lab Sample ID: MSB 220-27686/20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/04/2009 0017
Date Prepared: N/A

Analysis Batch: 220-27686
Prep Batch: N/A
Units: ug/L

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7270.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	20.0	19.9	99	37 - 151	
Toluene	20.0	19.9	99	47 - 150	
Ethylbenzene	20.0	20.5	103	37 - 162	
Xylenes, Total	60.0	63.3	105	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	60 - 127
4-Bromofluorobenzene	104	47 - 120
Toluene-d8 (Surr)	99	83 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Method Blank - Batch: 220-27654

Method: 625
Preparation: 625

Lab Sample ID: MB 220-27654/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1717
Date Prepared: 06/03/2009 1029

Analysis Batch: 220-27706
Prep Batch: 220-27654
Units: ug/L

Instrument ID: HP 6890/5975
Lab File ID: Ax5344.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	64	38 - 120
Nitrobenzene-d5	63	34 - 120
Terphenyl-d14	77	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Lab Control Sample - Batch: 220-27654

Method: 625
Preparation: 625

Lab Sample ID: LCS 220-27654/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1743
Date Prepared: 06/03/2009 1029

Analysis Batch: 220-27706
Prep Batch: 220-27654
Units: ug/L

Instrument ID: HP 6890/5975
Lab File ID: Ax5345.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	40.0	32.7	82	47 - 145	
Acenaphthylene	40.0	32.0	80	33 - 145	
Anthracene	40.0	37.3	93	27 - 133	
Benzo[a]anthracene	40.0	36.2	91	33 - 143	
Benzo[a]pyrene	40.0	41.3	103	17 - 163	
Benzo[b]fluoranthene	40.0	37.0	92	24 - 159	
Benzo[g,h,i]perylene	40.0	34.3	86	1 - 219	
Benzo[k]fluoranthene	40.0	37.8	95	11 - 162	
Chrysene	40.0	36.8	92	17 - 168	
Dibenz(a,h)anthracene	40.0	35.4	89	1 - 227	
Fluoranthene	40.0	37.7	94	26 - 137	
Fluorene	40.0	34.7	87	59 - 121	
Indeno[1,2,3-cd]pyrene	40.0	34.7	87	1 - 171	
Naphthalene	40.0	28.6	71	21 - 133	
Phenanthrene	40.0	37.8	95	54 - 120	
Pyrene	40.0	37.7	94	52 - 115	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	75	38 - 120
Nitrobenzene-d5	73	34 - 120
Terphenyl-d14	79	10 - 120

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Method Blank - Batch: 220-27675

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 220-27675/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/04/2009 1648
Date Prepared: 06/03/2009 1416

Analysis Batch: 220-27737
Prep Batch: 220-27675
Units: ug/L

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Barium	5.0	U	0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	10.0	U	1.5	10.0
Iron	125	U	15.0	125
Manganese	8.0	U	0.25	8.0
Nickel	5.0	U	1.0	5.0
Lead	5.4	J	2.5	15.0
Zinc	25.0	U	5.0	25.0

Lab Control Sample - Batch: 220-27675

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: LCS 220-27675/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/04/2009 1202
Date Prepared: 06/03/2009 1416

Analysis Batch: 220-27737
Prep Batch: 220-27675
Units: ug/L

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Barium	300	303	101	85 - 115	
Cadmium	300	305	102	85 - 115	
Chromium	300	314	105	85 - 115	
Copper	300	339	113	85 - 115	
Iron	25000	25240	101	85 - 115	
Manganese	200	204	102	85 - 115	
Nickel	300	312	104	85 - 115	
Lead	1000	1040	104	85 - 115	
Zinc	300	332	111	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Method Blank - Batch: 220-27691

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: MB 220-27691/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/05/2009 1330
Date Prepared: 06/03/2009 1345

Analysis Batch: 220-27756
Prep Batch: 220-27691
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_05 Jun
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	0.0050	U	0.0025	0.0050

Lab Control Sample - Batch: 220-27691

Method: 420.4
Preparation: Distill/Phenol

Lab Sample ID: LCS 220-27691/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/05/2009 1331
Date Prepared: 06/03/2009 1345

Analysis Batch: 220-27756
Prep Batch: 220-27691
Units: mg/L

Instrument ID: LACHET FIA
Lab File ID: OM_05 Jun
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.517	0.524	101	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Method Blank - Batch: 220-27689

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 220-27689/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1645
Date Prepared: N/A

Analysis Batch: 220-27689
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 500 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Total Suspended Solids	1.0	U	0.34	1.0

Lab Control Sample - Batch: 220-27689

Method: SM 2540D
Preparation: N/A

Lab Sample ID: LCS 220-27689/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1647
Date Prepared: N/A

Analysis Batch: 220-27689
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	225	225.0	100	72 - 107	

Duplicate - Batch: 220-27689

Method: SM 2540D
Preparation: N/A

Lab Sample ID: 220-9227-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1652
Date Prepared: N/A

Analysis Batch: 220-27689
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 300 mL
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Suspended Solids	2.3	2.33	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Method Blank - Batch: 220-27703

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: MB 220-27703/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/04/2009 0924
Date Prepared: N/A

Analysis Batch: 220-27703
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Amenable	10.0	U	2.9	10.0
Cyanide, Non-amenable	10.0	U	2.9	10.0
Cyanide, Total	10.0	U	2.9	10.0

Duplicate - Batch: 220-27703

Method: SM 4500 CN G
Preparation: N/A

Lab Sample ID: 220-9227-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/04/2009 0924
Date Prepared: N/A

Analysis Batch: 220-27703
Prep Batch: N/A
Units: ug/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 5 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cyanide, Amenable	71.4	71.4	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: AECOM, Inc.

Job Number: 220-9227-1
Sdg Number: 220-9227

Method Blank - Batch: 220-27698

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: MB 220-27698/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1517
Date Prepared: N/A

Analysis Batch: 220-27698
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Result	Qual	RL	RL
pH	5.51		0.100	0.100

Duplicate - Batch: 220-27698

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: 220-9227-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 06/03/2009 1526
Date Prepared: N/A

Analysis Batch: 220-27698
Prep Batch: N/A
Units: SU

Instrument ID: PC AutoTitrator-Mantech
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 20 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.43	7.420	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

9227

TAL-0015 (0508)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	6/2/09	016876
Address	**Telephone Number (Area Code)/Fax Number/e-mail address**	**Field Telephone Number**	**Page** 1 of 2
	607-762-8834		
City / **State** / **Zip Code**	**Site Contact** Matt Thorpe 518-428-4383	**Lab Contact**	
Project Name and Location (State)	**Sample Disposal** ☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)		
Mechanicville M.G.P., NY			
Contract/Purchase Order/Project No.			
94560			

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Other	Analysis: PAH	BTEX	TSS, pH	total met	ACN	Phenols	Comments
MCFT WWNA 075	6/2/09		X									X	2						Sample time on all bottle labels reads: 1400 (KB) 6/3/09
MCFT WWNA 075	6/2/09		X						X					2					
MCFT WWNA 075	6/2/09		X									X			2				
MCFT WWNA 075	6/2/09		X					X								1			
MCFT WWNA 075	6/2/09		X							X							2		
MCFT WWNA 075	6/2/09		X				X											1	
MCFT WWNA 076	6/2/09		X									X	2						Between Carbons
MCFT WWNA 076	6/2/09		X						X					2					
MCFT WWNA 076	6/2/09		X				X											1	

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

1. Relinquished By	Date	Time	1. Received By	Date	Time
KB	6/2/09	1615	KBlackburn	6/3/09	944
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Received By	Date	Time	Cooler Temps	Passed Rad. Screen (Lab Use Only)	
			2.2°C, 1.1°C, Gun#1 Probe #1	☑ Yes ☐ No	

Comments

06/10/2009

DISTRIBUTION: *WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy*

Chain of Custody Record

Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

9227

TAL-0015 (0508)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	6/2/09	017029
Address	**Telephone Number (Area Code)/Fax Number/e-mail address**	**Field Telephone Number**	**Page 2 of 2**
	607-762-8834		
City / State / Zip Code	**Site Contact / Lab Contact**		
	Matt Thorpe 518-423-4323		
Project Name and Location (State)	**Sample Disposal**		
Mechanicville M.G.P., NY	☒ Disposal By Lab ☐ Return To Client ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)		
Contract/Purchase Order/Project No.			
94560			

Field Sample I.D. (Containers for each sample may be combined on one line)	Collection Date	Collection Time	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Other	Analysis: PAH	BTEX	Tphenols	Comments
MCFT WWNA 077	6/2/09		X									X	2			Clay
MCFT WWNA 077	6/2/09		X						X					2		
MCFT WWNA 077	6/2/09		X				X								1	
MCFT WWNA 078	6/2/09		X									X	2			Influent
MCFT WWNA 078	6/2/09		X						X					2		
MCFT WWNA 078	6/2/09		X				X								1	
Trip Blank (ICB 6/3/09)																
added to the coc by Sample Control.																

Turn Around Time Required (business days) Report / EDD Requirements
☐ 24 Hours ☒ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other ____

State Regulatory QC Requirements

	Date	Time
1. Relinquished By	6/2/09	1615
2. Relinquished By		
3. Received By		

	Date	Time
1. Received By	6/3/09	944
2. Received By		

Cooler Temps: 2.2°c, 1.1°c (gun #1, Probe #1)

Passed Rad. Screen (Lab Use Only): ☑ Yes ☐ No

Comments

06/10/2009

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

TESTAMERICA CONNECTICUT
PRESERVATIVE RECORD

Job Number:

Client:

Client Project:

Lab Number	Preservative	pH	Adjustment (mLs)	pH after Adjustment	Preservative Lot Number	Initials	Date
9227- 01	H_2SO_4	<2	N/A	N/A	N/A	KLB	6/3/09
02	↓	<2	↓	↓	↓	↓	↓
03		<2					
04		<2					
01	HNO_3	<2					
01	NaOH	>12					
01	↓	>12	↓	↓	↓	↓	↓

K Blackman 6/3/09

TestAmerica - Connecticut
Internal Chain-of-Custody

220-9227

RECOM - Mechanicsville Discharge

Trip Blank: 5

48hr tat

QC: Air:

Date Received: 6/3/09

FB:

Sample #s: 1-5

Soil: Water: 1-5

Locations: 98E, R-1VV

Laboratory Sample #	Signature-Sample Removal	Date	Time	Reason	Signature-Sample Return	Date	Time
1-4		6-3	10:27	EXT			
1-4		6/3	1030	Phenols/CN		6/3/09	1515
1		6/3/09	1030	metals		6/3/09	1300
1-5		6/3/09	14:00	VOA	Used		
1		6/3/09	12:00	pH-TSS		6/3/09	17:00

TestAmerica Connecticut — GC-GC/MS Extract Chain of Custody

JOB NO: 22c-9227

Fraction: (BNA) / Pesticide-PCB / Herbicide / O/P Pesticide / DRO / CT ETPH / Other
(Circle one)

SAMPLE IN (Extractions)					SAMPLE IN (Extractions)				
Sample(s)	Date	Time	Sign.	Location	Sample(s)	Date	Time	Sign.	Location
1-4	6-3	13:30	[signature]	36					
~~1~~	~~6/4~~	~~11:40~~	~~J.C.~~	~~36~~					

SJ 6/4

SAMPLE OUT					SAMPLE IN			
Sample(s)	Date	Time	Code	Sign.	Date	Time	Location	Sign.
1-4	6/3	13:30	AN	SJ	6/3	15:18	36	SJ

Codes: SC = Screening AN = Analysis

Verified By: [signature] Date: 6/4/09

Lab Form: SMF01203.CT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA CONNECTICUT - CHAIN OF CUSTODY
ATOMIC SPECTROSCOPY DEPARTMENT

Job Number: 9227 **Sample Numbers:** 1

Prep Batch Number: 27625

(WATER) - SOIL - SLUDGE - TCLP/SPLP

I confirm that I have performed the preparation below following SOP guidelines and authorize the transfer of these digestates to the metals instrument lab.:

Sample Prep:

[signature] — Analysts; 6/31 09 — Date(s) **ICP**

_____ — Analysts; _____ — Date(s) **Mercury**

I confirm that I have performed the analysis below following SOP guidelines:

Analysis:

[signature] — Analysts; 6/4/09 — Date(s) **ICP**

_____ — Chemist; _____ — Date(s) **Mercury**

I have reviewed and authorized the release of the job:

Complete: [signature] — Supervisor; 6/9/09 — Date

QAF02602.CT

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-9227-1
SDG Number: 220-9227

Login Number: 9227
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	2.2C GUN#1, 1.1C PROBE#1
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Trip Blank was not included on the coc.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No times were listed on the coc.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-9295-1

SDG Number: 220-9295

Job Description: NYSEG Mechanicsville Discharge

For:
AECOM, Inc.
40 British American Ave
Latham, NY 12110

Attention: Mr. Scott Underhill

Approved for release.
Johanna Dubauskas
Project Manager I
6/16/2009 12:01 PM

Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
06/16/2009

cc: Mr. Matt Thorpe

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL CT	40CFR136A 625	
Liquid-Liquid Extraction	TAL CT		40CFR136A 625
Metals (ICP)	TAL CT	40CFR136A 200.7 Rev 4.4	
Preparation, Total Metals	TAL CT		EPA 200.7
Phenolics, Total Recoverable	TAL CT	MCAWW 420.4	
Distillation, Phenolics	TAL CT		Distill/Phenol
Solids, Total Suspended (TSS)	TAL CT	SM SM 2540D	
Cyanide, Amenable	TAL CT	SM SM 4500 CN G	
pH	TAL CT	SM SM 4500 H+ B	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Method	Analyst	Analyst ID
40CFR136A 624	Humbert, Dave	DH
40CFR136A 625	Jonas, Stephan	SJ
40CFR136A 200.7 Rev 4.4	Petronchak, Nestor	NP
MCAWW 420.4	Natoli, Richard A	RN
SM SM 2540D	Mendoza, Julia	JM
SM SM 4500 CN G	Nemeth, Doreen	DN
SM SM 4500 H+ B	Mendoza, Julia	JM

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-9295-1	MCFT WWNA 079	Water	06/09/2009 1100	06/10/2009 0930
220-9295-2	MCFT WWNA 080	Water	06/09/2009 1100	06/10/2009 0930
220-9295-3	MCFT WWNA 081	Water	06/09/2009 1100	06/10/2009 0930
220-9295-4	MCFT WWNA 082	Water	06/09/2009 1100	06/10/2009 0930
220-9295-5TB	TRIP BLANK	Water	06/09/2009 0000	06/10/2009 0930

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Client Sample ID: **MCFT WWNA 079**

Lab Sample ID: 220-9295-1
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/15/2009 1824
Date Prepared: N/A

Analysis Batch: 220-28065

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7449.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	0.26	J	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	60 - 127
4-Bromofluorobenzene	82	47 - 120
Toluene-d8 (Surr)	87	83 - 120

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Client Sample ID: **MCFT WWNA 080**

Lab Sample ID: 220-9295-2
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/15/2009 1850
Date Prepared: N/A

Analysis Batch: 220-28065

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7450.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	60 - 127
4-Bromofluorobenzene	84	47 - 120
Toluene-d8 (Surr)	89	83 - 120

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Client Sample ID: **MCFT WWNA 081**

Lab Sample ID: 220-9295-3
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/15/2009 1917
Date Prepared: N/A

Analysis Batch: 220-28065

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7451.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.5	J	0.099	5.0
Toluene	0.41	J	0.074	5.0
Ethylbenzene	0.33	J	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122	60 - 127
4-Bromofluorobenzene	84	47 - 120
Toluene-d8 (Surr)	89	83 - 120

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Client Sample ID: **MCFT WWNA 082**

Lab Sample ID: 220-9295-4
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/15/2009 2041
Date Prepared: N/A

Analysis Batch: 220-28065

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7453.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	78		0.099	5.0
Toluene	81		0.074	5.0
Ethylbenzene	79		0.15	5.0
Xylenes, Total	130		1.0	5.0
m&p-Xylene	79		0.68	10
o-Xylene	54		0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120	60 - 127
4-Bromofluorobenzene	104	47 - 120
Toluene-d8 (Surr)	87	83 - 120

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 220-9295-5TB
Client Matrix: Water

Date Sampled: 06/09/2009 0000
Date Received: 06/10/2009 0930

624 Volatile Organic Compounds (GC/MS)

Method: 624
Preparation: N/A
Dilution: 1.0
Date Analyzed: 06/15/2009 1637
Date Prepared: N/A

Analysis Batch: 220-28065

Instrument ID: HP 6890/5973 GC/MS
Lab File ID: Y7445.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	5.0	U	0.099	5.0
Toluene	5.0	U	0.074	5.0
Ethylbenzene	5.0	U	0.15	5.0
Xylenes, Total	5.0	U	1.0	5.0
m&p-Xylene	10	U	0.68	10
o-Xylene	5.0	U	0.27	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	60 - 127
4-Bromofluorobenzene	80	47 - 120
Toluene-d8 (Surr)	87	83 - 120

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Client Sample ID: **MCFT WWNA 079**

Lab Sample ID: 220-9295-1
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 06/11/2009 2130
Date Prepared: 06/10/2009 1135

Analysis Batch: 220-27964
Prep Batch: 220-27884

Instrument ID: HP 6890/5975
Lab File ID: Ax5533.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	76	38 - 120
Nitrobenzene-d5	79	34 - 120
Terphenyl-d14	64	10 - 120

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Client Sample ID: **MCFT WWNA 080**

Lab Sample ID: 220-9295-2
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 06/11/2009 2156
Date Prepared: 06/10/2009 1135

Analysis Batch: 220-27964
Prep Batch: 220-27884

Instrument ID: HP 6890/5975
Lab File ID: Ax5534.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	4.0	U	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	4.0	U	0.28	4.0
Pyrene	4.0	U	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	72	38 - 120
Nitrobenzene-d5	80	34 - 120
Terphenyl-d14	50	10 - 120

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Client Sample ID: **MCFT WWNA 081**

Lab Sample ID: 220-9295-3
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 06/11/2009 2222
Date Prepared: 06/10/2009 1135

Analysis Batch: 220-27964
Prep Batch: 220-27884

Instrument ID: HP 6890/5975
Lab File ID: Ax5535.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	4.0	U	0.31	4.0
Acenaphthylene	4.0	U	0.34	4.0
Anthracene	4.0	U	0.29	4.0
Benzo[a]anthracene	4.0	U	0.30	4.0
Benzo[a]pyrene	4.0	U	0.35	4.0
Benzo[b]fluoranthene	4.0	U	0.36	4.0
Benzo[g,h,i]perylene	4.0	U	0.36	4.0
Benzo[k]fluoranthene	4.0	U	0.40	4.0
Chrysene	4.0	U	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	0.82	J	0.31	4.0
Fluorene	4.0	U	0.26	4.0
Indeno[1,2,3-cd]pyrene	4.0	U	0.28	4.0
Naphthalene	4.0	U	0.30	4.0
Phenanthrene	0.77	J	0.28	4.0
Pyrene	1.3	J	0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	63	38 - 120
Nitrobenzene-d5	68	34 - 120
Terphenyl-d14	53	10 - 120

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Client Sample ID: **MCFT WWNA 082**

Lab Sample ID: 220-9295-4
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

625 Semivolatile Organic Compounds (GC/MS)

Method: 625
Preparation: 625
Dilution: 1.0
Date Analyzed: 06/11/2009 2248
Date Prepared: 06/10/2009 1135

Analysis Batch: 220-27964
Prep Batch: 220-27884

Instrument ID: HP 6890/5975
Lab File ID: Ax5536.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	79		0.31	4.0
Acenaphthylene	29		0.34	4.0
Anthracene	8.9		0.29	4.0
Benzo[a]anthracene	2.1	J	0.30	4.0
Benzo[a]pyrene	2.0	J	0.35	4.0
Benzo[b]fluoranthene	1.3	J	0.36	4.0
Benzo[g,h,i]perylene	1.3	J	0.36	4.0
Benzo[k]fluoranthene	0.58	J	0.40	4.0
Chrysene	2.1	J	0.25	4.0
Dibenz(a,h)anthracene	4.0	U	0.38	4.0
Fluoranthene	8.0		0.31	4.0
Fluorene	39		0.26	4.0
Indeno[1,2,3-cd]pyrene	1.1	J	0.28	4.0
Naphthalene	1.4	J	0.30	4.0
Phenanthrene	57		0.28	4.0
Pyrene	11		0.33	4.0

Surrogate	%Rec	Acceptance Limits
2-Fluorobiphenyl	78	38 - 120
Nitrobenzene-d5	92	34 - 120
Terphenyl-d14	49	10 - 120

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Client Sample ID: **MCFT WWNA 079**

Lab Sample ID: 220-9295-1
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

200.7 Rev 4.4 Metals (ICP)

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 06/12/2009 1625
Date Prepared: 06/12/2009 1233

Analysis Batch: 220-28011
Prep Batch: 220-27988

Instrument ID: Perkin Elmer ICP
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Barium	73.4		0.25	5.0
Cadmium	5.0	U	1.0	5.0
Chromium	5.0	U	0.50	5.0
Copper	5.8	J	1.5	10.0
Iron	340		15.0	125
Manganese	568		0.25	8.0
Nickel	1.7	J	1.0	5.0
Lead	15.0	U	2.5	15.0
Zinc	12.5	J	5.0	25.0

General Chemistry

Client Sample ID: **MCFT WWNA 079**

Lab Sample ID: 220-9295-1
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Suspended Solids	0.50	J	mg/L	0.42	1.2	1.0	SM 2540D
Anly Batch: 220-27881	Date Analyzed			06/10/2009 1148			
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27971	Date Analyzed			06/11/2009 1631			
Prep Batch: 220-27970	Date Prepared:			06/10/2009 1800			
Cyanide, Amenable	44.5		ug/L	2.9	10.0	1.0	SM 4500 CN G
Anly Batch: 220-28010	Date Analyzed			06/12/2009 1647			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
pH	7.45	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Anly Batch: 220-28002	Date Analyzed			06/10/2009 1807			

Client Sample ID: **MCFT WWNA 080**

Lab Sample ID: 220-9295-2
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0050	U	mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27971	Date Analyzed			06/11/2009 1632			
Prep Batch: 220-27970	Date Prepared:			06/10/2009 1800			

Client Sample ID: **MCFT WWNA 081**

Lab Sample ID: 220-9295-3
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.0052		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27971	Date Analyzed			06/11/2009 1633			
Prep Batch: 220-27970	Date Prepared:			06/10/2009 1800			

Client Sample ID: **MCFT WWNA 082**

Lab Sample ID: 220-9295-4
Client Matrix: Water

Date Sampled: 06/09/2009 1100
Date Received: 06/10/2009 0930

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Phenolics, Total Recoverable	0.034		mg/L	0.0025	0.0050	1.0	420.4
Anly Batch: 220-27971	Date Analyzed			06/11/2009 1634			
Prep Batch: 220-27970	Date Prepared:			06/10/2009 1800			

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 220-9295-1
Sdg Number: 220-9295

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
GC/MS Semi VOA		
	J	Indicates an estimated value.
	U	Analyzed for but not detected.
Metals		
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	J	Sample result is greater than the MDL but below the CRDL
	U	Indicates analyzed for but not detected.

Login Sample Receipt Check List

Client: AECOM, Inc.

Job Number: 220-9295-1
SDG Number: 220-9295

Login Number: 9295
List Source: TestAmerica Connecticut
Creator: Blocker, Kristina
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2c, 3.1c probe#1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Feb. 23. 2009 4:07PM No. 5155 P. 1

FAX LEAD SHEET

WASTE STREAM TECHNOLOGY

302 GROTE STREET
BUFFALO, NY 14207
Phone (716)876-5290 Fax (716)876-2412

Environmental Laboratory Services, Radiological Laboratory Services, Treatability Studies, and Bioremediation Supplies and Services

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Gary Rose

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WST, Inc

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9B320014

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WASTE STREAM TECHNOLOGY, INC.
302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 02/23/09
Work Order Number: 9B20014

Prepared For
Gary Rose
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14302
Fax: (716) 285-4201

Site: E 994

Enclosed are the results of analyses for samples received by the laboratory on 02/20/09. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068

The results in this report apply to the samples as received by the laboratory and analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Mechanicville MGP Site Project Number: E 994 Project Manager: Gary Rose	Reported: 02/23/09 15:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MCFT WWNA 027	9B20014-01	Water	02/20/09 08:30	02/20/09 14:50

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Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Mechanicville MGP Site Project Number: E 994 Project Manager: Gary Rose	Reported: 02/23/09 15:35

Metals by EPA 200 Series Methods

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCRT WWNA 027 (9B20014-01) Water	Sampled: 02/20/09 08:30		Received: 02/20/09 14:50						
Barium	0.032	0.005	mg/L	1	AB92012	02/20/09	02/20/09	EPA 200.7	
Cadmium	ND	0.001	"	"	"	"	"	"	
Chromium	ND	0.005	"	"	"	"	"	"	
Copper	ND	0.009	"	"	"	"	"	"	
Iron	ND	0.083	"	"	"	"	"	"	
Manganese	0.068	0.005	"	"	"	"	"	"	
Nickel	ND	0.005	"	"	"	"	"	"	
Lead	ND	0.015	"	"	"	"	"	"	
Zinc	0.084	0.013	"	"	"	"	"	"	

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Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Mechanicville MGP Site Project Number: E994 Project Manager: Gary Rose	Reported: 02/23/09 15:35

Purgeables by EPA Method 624

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 027 (9B20014-01) Water	**Sampled: 02/20/09 08:30 Received: 02/20/09 14:50**								
benzene	ND	1.0	ug/l	1	AB92303	02/23/09	02/23/09	624	
toluene	ND	1.0	"	"	"	"	"	"	
ethylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*83-115*		"	"	"	"	
Surrogate: Toluene-d8		*98.1 %*	*84-111*		"	"	"	"	
Surrogate: Bromofluorobenzene		*98.8 %*	*83-115*		"	"	"	"	

The results in this report apply to the samples as received by the laboratory and analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Mechanicville MGP Site Project Number: E 994 Project Manager: Gary Rose	Reported: 02/23/09 15:35

Base/Neutral Extractables by EPA Method 625

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 027 (9B20014-01) Water	**Sampled: 02/20/09 08:30**		**Received: 02/20/09 14:50**						
naphthalene	ND	2.0	ug/l	1	AB92304	02/23/09	02/23/09	625	U
acenaphthylene	ND	2.0	"	"	"	"	"	"	U
acenaphthene	ND	2.0	"	"	"	"	"	"	U
fluorene	ND	2.0	"	"	"	"	"	"	U
phenanthrene	ND	2.0	"	"	"	"	"	"	U
anthracene	ND	2.0	"	"	"	"	"	"	U
fluoranthene	ND	2.0	"	"	"	"	"	"	U
pyrene	ND	2.0	"	"	"	"	"	"	U
Benzo (a) anthracene	ND	2.0	"	"	"	"	"	"	U
chrysene	ND	2.0	"	"	"	"	"	"	U
Benzo (b) fluoranthene	ND	2.0	"	"	"	"	"	"	U
Benzo (k) fluoranthene	ND	2.0	"	"	"	"	"	"	U
Benzo (a) pyrene	ND	2.0	"	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND	2.0	"	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND	2.0	"	"	"	"	"	"	U
Benzo (g,h,i) perylene	ND	2.0	"	"	"	"	"	"	U
Surrogate: Nitrobenzene-d5		*78.0 %*	*54-105*	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*74.6 %*	*51-110*	"	"	"	"	"	
Surrogate: Terphanyl-d14		*63.3 %*	*59-118*	"	"	"	"	"	

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Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Mechanicville MGP Site Project Number: E 994 Project Manager: Gary Rose	Reported: 02/23/09 15:35

Conventional Chemistry Parameters by EPA Methods

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 027 (9B20014-01) Water	**Sampled: 02/20/09 08:30**		**Received: 02/20/09 14:50**						
Phenols	ND	0.005	mg/L	1	AB92201	02/22/09	02/22/09	EPA 420.1	

The results in this report apply to the samples as received by the laboratory and analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Mechanicville MGP Site Project Number: E 994 Project Manager: Gary Rose	Reported: 02/23/09 15:35

Conventional Chemistry Parameters by Standard Methods

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 027 (9B20014-01) Water	Sampled: 02/20/09 08:30		Received: 02/20/09 14:50						
Cyanide (amenable)	ND	0.010	mg/L	1	AB92320	02/23/09	02/23/09	SM 4500-CN G	
pH	9.45	0.01	pH Units	"	AB92312	02/23/09	02/23/09	SM 4500-H B	E-04
Total Suspended Solids	ND	4.0	mg/L	"	AB92306	02/23/09	02/23/09	SM 2540D	U

The results in this report apply to the samples as received by the laboratory and analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Mechanicville MGP Site Project Number: E 994 Project Manager: Gary Rose	Reported: 02/23/09 15:35

Notes and Definitions

U	Analyte included in the analysis, but not detected at or above the reporting limit.
E-04	According to NELAP, pH analyses not performed within 15 minutes need to be reported as "over-aged."
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Feb 23 2009 8:34PM Sevenson Industrial Svc. 716 285-4829 No. 5155 P. 10
P. 10

9B20014

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
NYSEG	Tracy Blazicek	2/20/09	096970
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
	607-762-8834		
City / State / Zip Code	Site Contact: Mo Hirani Thorpe 518-428-4383	Lab Contact	
Project Name and Location (State): Mechanicville M.G.P., NY.	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	4oz.	Analysis (Attach list if more space is needed): ACN	BTEX	PAH	TCL/EMDLS	TSS pH	Hardness	Special Instructions/ Conditions of Receipt
MCFT WWNA 027	2/20/09	0830		X									X			X				Waste water ⑦
MCFT WWNA 027	2/20/09	0830		X									X			X				Batch 9
MCFT WWNA 027	2/20/09	0830		X									X			X				
MCFT WWNA 027	2/20/09	0830		X									X			X				
MCFT WWNA 027	2/20/09	0830		X									X				X			
MCFT WWNA 027	2/20/09	0830		X						X					X					
MCFT WWNA 027	2/20/09	0830		X						X					X					
MCFT WWNA 027	2/20/09	0830		X							X			X						
MCFT WWNA 027	2/20/09	0830		X					X									X		
MCFT WWNA 027	2/20/09	0830		X				X									X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	2/20/09	09:30	1. Received By	2/20/09	14:50
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

FAX LEAD SHEET

WASTE STREAM TECHNOLOGY

302 GROTE STREET
BUFFALO, NY 14207
Phone (716)876-5290 Fax (716)876-2412

Environmental Laboratory Services, Radiological Laboratory Services, Treatability Studies, and Bioremediation Supplies and Services

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DATE: 2-17-09

NUMBER OF PAGES (including cover): 15

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FROM: WST INC.

MESSAGE:

Report for Work Order 9B17001

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WASTE STREAM TECHNOLOGY, INC.
302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 02/17/09
Work Order Number: 9B17001

Prepared For
Gary Rose
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14302
Fax: (716) 285-4201

Site: Mechanicville M.G.P.

Enclosed are the results of analyses for samples received by the laboratory on 02/17/09. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068

The results in this report apply to the samples as received by the laboratory and analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services	Project: Niagara Falls	
2749 Lockport Road	Project Number: Mechanicville M.G.P.	**Reported:**
Niagara Falls NY, 14302	Project Manager: Gary Rose	02/17/09 14:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MCFT WWNA 023 Regular Eff carbon 2	9B17001-01	Water	02/16/09 14:00	02/17/09 08:00
MCFT WWNA 024 Second Eff	9B17001-02	Water	02/16/09 14:00	02/17/09 08:00
MCFT WWNA 025 organo Eff	9B17001-03	Water	02/16/09 14:00	02/17/09 08:00
MCFT WWNA 026 A Influent	9B17001-04	Water	02/16/09 14:00	02/17/09 08:00
MCFT WWNA 026 B	9B17001-05	Water	02/16/09 14:00	02/17/09 08:00

The results in this report apply to the samples as received by the laboratory and analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Niagara Falls Project Number: Mechanicville M.G.P. Project Manager: Gary Rose	Reported: 02/17/09 14:31

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 023 (9B17001-01) Water	**Sampled: 02/16/09 14:00**		**Received: 02/17/09 08:00**						
dichlorodifluoromethane	ND	2	ug/l	1	AB91702	02/17/09	02/17/09	8260	U
chloromethane	ND	2	"	"	"	"	"	"	U
vinyl chloride	ND	2	"	"	"	"	"	"	U
bromomethane	ND	2	"	"	"	"	"	"	U
chloroethane	ND	2	"	"	"	"	"	"	U
trichlorofluoromethane	ND	2	"	"	"	"	"	"	U
1,1-dichloroethene	ND	1	"	"	"	"	"	"	U
acetone	**112**	10	"	"	"	"	"	"	
carbon disulfide	ND	1	"	"	"	"	"	"	U
methylene chloride	ND	2	"	"	"	"	"	"	U
Methyl tert-butyl ether	ND	1	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	1	"	"	"	"	"	"	U
1,1-dichloroethane	ND	1	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
2,2-dichloropropane	ND	1	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	1	"	"	"	"	"	"	U
chloroform	ND	1	"	"	"	"	"	"	U
bromochloromethane	ND	1	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	1	"	"	"	"	"	"	U
carbon tetrachloride	ND	1	"	"	"	"	"	"	U
1,1-dichloropropene	ND	1	"	"	"	"	"	"	U
benzene	**35**	1	"	"	"	"	"	"	
1,2-dichloroethane	ND	1	"	"	"	"	"	"	U
trichloroethene	ND	1	"	"	"	"	"	"	U
1,2-dichloropropane	ND	1	"	"	"	"	"	"	U
bromodichloromethane	ND	1	"	"	"	"	"	"	U
2-chloroethylvinyl ether	ND	10	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	1	"	"	"	"	"	"	U
toluene	**7**	1	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	1	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	1	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	1	"	"	"	"	"	"	U
1,3-dichloropropane	ND	1	"	"	"	"	"	"	U
dibromochloromethane	ND	1	"	"	"	"	"	"	U
1,2-dibromoethane	ND	1	"	"	"	"	"	"	U
1-chlorohexane	ND	1	"	"	"	"	"	"	U
chlorobenzene	ND	1	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U

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Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Niagara Falls Project Number: Mechanicville M.G.P. Project Manager: Gary Rose	Reported: 02/17/09 14:31

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 023 (9B17001-01) Water	**Sampled: 02/16/09 14:00**		**Received: 02/17/09 08:00**						
ethylbenzene	5	1	ug/l	1	AB91702	02/17/09	02/17/09	8260	
m,p-xylene	3	2	"	"	"	"	"	"	
o-xylene	2	1	"	"	"	"	"	"	
styrene	ND	1	"	"	"	"	"	"	U
bromoform	ND	1	"	"	"	"	"	"	U
isopropylbenzene	ND	1	"	"	"	"	"	"	U
1,1,2,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U
bromobenzene	ND	1	"	"	"	"	"	"	U
1,2,3-trichloropropane	ND	1	"	"	"	"	"	"	U
n-propylbenzene	ND	1	"	"	"	"	"	"	U
2-chlorotoluene	ND	1	"	"	"	"	"	"	U
1,3,5-trimethylbenzene	ND	1	"	"	"	"	"	"	U
4-chlorotoluene	ND	1	"	"	"	"	"	"	U
tert-butylbenzene	ND	1	"	"	"	"	"	"	U
1,2,4-trimethylbenzene	ND	1	"	"	"	"	"	"	U
sec-butylbenzene	ND	1	"	"	"	"	"	"	U
p-isopropyltoluene	ND	1	"	"	"	"	"	"	U
1,3-dichlorobenzene	ND	1	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	1	"	"	"	"	"	"	U
n-butylbenzene	ND	1	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	1	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	1	"	"	"	"	"	"	U
hexachlorobutadiene	ND	1	"	"	"	"	"	"	U
naphthalene	11	1	"	"	"	"	"	"	
1,2,3-trichlorobenzene	ND	1	"	"	"	"	"	"	U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	1	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*101 %*	*82-110*	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*83-115*	"	"	"	"	"	
Surrogate: Toluene-d8		*98.0 %*	*84-111*	"	"	"	"	"	
Surrogate: Bromofluorobenzene		*96.5 %*	*83-115*	"	"	"	"	"	

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Sevenson Environmental Services	Project: Niagara Falls	
2749 Lockport Road	Project Number: Mechanicville M.G.P.	**Reported:**
Niagara Falls NY, 14302	Project Manager: Gary Rose	02/17/09 14:31

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 024 (9B17001-02) Water	**Sampled: 02/16/09 14:00**		**Received: 02/17/09 08:00**						
dichlorodifluoromethane	ND	2	ug/l	1	AB91702	02/17/09	02/17/09	8260	U
chloromethane	ND	2	"	"	"	"	"	"	U
vinyl chloride	ND	2	"	"	"	"	"	"	U
bromomethane	ND	2	"	"	"	"	"	"	U
chloroethane	ND	2	"	"	"	"	"	"	U
trichlorofluoromethane	ND	2	"	"	"	"	"	"	U
1,1-dichloroethene	ND	1	"	"	"	"	"	"	U
acetone	**89**	10	"	"	"	"	"	"	
carbon disulfide	ND	1	"	"	"	"	"	"	U
methylene chloride	ND	2	"	"	"	"	"	"	U
Methyl tert-butyl ether	ND	1	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	1	"	"	"	"	"	"	U
1,1-dichloroethane	ND	1	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
2,2-dichloropropane	ND	1	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	1	"	"	"	"	"	"	U
chloroform	**3**	1	"	"	"	"	"	"	
bromochloromethane	ND	1	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	1	"	"	"	"	"	"	U
carbon tetrachloride	ND	1	"	"	"	"	"	"	U
1,1-dichloropropene	ND	1	"	"	"	"	"	"	U
benzene	**294**	10	"	10	"	"	"	"	D
1,2-dichloroethane	ND	1	"	1	"	"	"	"	U
trichloroethene	ND	1	"	"	"	"	"	"	U
1,2-dichloropropane	ND	1	"	"	"	"	"	"	U
bromodichloromethane	ND	1	"	"	"	"	"	"	U
2-chloroethylvinyl ether	ND	10	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	1	"	"	"	"	"	"	U
toluene	**126**	1	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	1	"	"	"	"	"	"	U
1,1,2-trichloroethane	ND	1	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	1	"	"	"	"	"	"	U
1,3-dichloropropane	ND	1	"	"	"	"	"	"	U
dibromochloromethane	ND	1	"	"	"	"	"	"	U
1,2-dibromoethane	ND	1	"	"	"	"	"	"	U
1-chlorohexane	ND	1	"	"	"	"	"	"	U
chlorobenzene	ND	1	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U

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Sevenson Environmental Services	Project: Niagara Falls	
2749 Lockport Road	Project Number: Mechanicville M.G.P.	**Reported:**
Niagara Falls NY, 14302	Project Manager: Gary Rose	02/17/09 14:31

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 024 (9B17001-02) Water	**Sampled: 02/16/09 14:00**		**Received: 02/17/09 08:00**						
ethylbenzene	**136**	1	ug/l	1	AB91702	02/17/09	02/17/09	8260	
m,p-xylene	**77**	2	"	"	"	"	"	"	
o-xylene	**52**	1	"	"	"	"	"	"	
styrene	**34**	1	"	"	"	"	"	"	
bromoform	ND	1	"	"	"	"	"	"	U
isopropylbenzene	**7**	1	"	"	"	"	"	"	
1,1,2,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U
bromobenzene	ND	1	"	"	"	"	"	"	U
1,2,3-trichloropropane	ND	1	"	"	"	"	"	"	U
n-propylbenzene	**2**	1	"	"	"	"	"	"	
2-chlorotoluene	ND	1	"	"	"	"	"	"	U
1,3,5-trimethylbenzene	**10**	1	"	"	"	"	"	"	
4-chlorotoluene	ND	1	"	"	"	"	"	"	U
tert-butylbenzene	ND	1	"	"	"	"	"	"	U
1,2,4-trimethylbenzene	**31**	1	"	"	"	"	"	"	
sec-butylbenzene	ND	1	"	"	"	"	"	"	U
p-isopropyltoluene	**1**	1	"	"	"	"	"	"	
1,3-dichlorobenzene	ND	1	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	1	"	"	"	"	"	"	U
n-butylbenzene	ND	1	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	1	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	1	"	"	"	"	"	"	U
hexachlorobutadiene	ND	1	"	"	"	"	"	"	U
naphthalene	**491**	10	"	10	"	"	"	"	D
1,2,3-trichlorobenzene	ND	1	"	1	"	"	"	"	U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	1	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane	*99.7 %*	*82-110*		"	"	"	"		
Surrogate: 1,2-Dichloroethane-d4	*102 %*	*83-115*		"	"	"	"		
Surrogate: Toluene-d8	*98.2 %*	*84-111*		"	"	"	"		
Surrogate: Bromofluorobenzene	*94.9 %*	*83-115*		"	"	"	"		

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Sevenson Environmental Services	Project: Niagara Falls	
2749 Lockport Road	Project Number: Mechanicville M.G.P.	**Reported:**
Niagara Falls NY, 14302	Project Manager: Gary Rose	02/17/09 14:31

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 025 (9B17001-03) Water	**Sampled: 02/16/09 14:00**		**Received: 02/17/09 08:00**						
dichlorodifluoromethane	ND	2	ug/l	1	AB91702	02/17/09	02/17/09	8260	U
chloromethane	ND	2	"	"	"	"	"	"	U
vinyl chloride	ND	2	"	"	"	"	"	"	U
bromomethane	ND	2	"	"	"	"	"	"	U
chloroethane	ND	2	"	"	"	"	"	"	U
trichlorofluoromethane	ND	2	"	"	"	"	"	"	U
1,1-dichloroethene	ND	1	"	"	"	"	"	"	U
acetone	**36**	10	"	"	"	"	"	"	
carbon disulfide	ND	1	"	"	"	"	"	"	U
methylene chloride	ND	2	"	"	"	"	"	"	U
Methyl tert-butyl ether	ND	1	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	1	"	"	"	"	"	"	U
1,1-dichloroethane	ND	1	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
2,2-dichloropropane	ND	1	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	1	"	"	"	"	"	"	U
chloroform	**3**	1	"	"	"	"	"	"	
bromochloromethane	ND	1	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	1	"	"	"	"	"	"	U
carbon tetrachloride	ND	1	"	"	"	"	"	"	U
1,1-dichloropropene	ND	1	"	"	"	"	"	"	U
benzene	**854**	50	"	50	"	"	"	"	D
1,2-dichloroethane	ND	1	"	1	"	"	"	"	U
trichloroethene	ND	1	"	"	"	"	"	"	U
1,2-dichloropropane	ND	1	"	"	"	"	"	"	U
bromodichloromethane	ND	1	"	"	"	"	"	"	U
2-chloroethylvinyl ether	ND	10	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	1	"	"	"	"	"	"	U
toluene	**442**	50	"	50	"	"	"	"	D
trans-1,3-dichloropropene	ND	1	"	1	"	"	"	"	U
1,1,2-trichloroethane	ND	1	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	1	"	"	"	"	"	"	U
1,3-dichloropropane	ND	1	"	"	"	"	"	"	U
dibromochloromethane	ND	1	"	"	"	"	"	"	U
1,2-dibromoethane	ND	1	"	"	"	"	"	"	U
1-chlorohexane	ND	1	"	"	"	"	"	"	U
chlorobenzene	ND	1	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U

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Sevenson Environmental Services	Project: Niagara Falls	
2749 Lockport Road	Project Number: Mechanicville M.G.P.	**Reported:**
Niagara Falls NY, 14302	Project Manager: Gary Rose	02/17/09 14:31

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 025 (9B17001-03) Water	**Sampled: 02/16/09 14:00**		**Received: 02/17/09 08:00**						
ethylbenzene	**581**	50	ug/l	50	AB91702	02/17/09	02/17/09	8260	D
m,p-xylene	**373**	2	"	1	"	"	"	"	
o-xylene	**220**	50	"	50	"	"	"	"	D
styrene	**164**	50	"	"	"	"	"	"	D
bromoform	ND	1	"	1	"	"	"	"	U
isopropylbenzene	**31**	1	"	"	"	"	"	"	
1,1,2,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U
bromobenzene	ND	1	"	"	"	"	"	"	U
1,2,3-trichloropropane	ND	1	"	"	"	"	"	"	U
n-propylbenzene	**11**	1	"	"	"	"	"	"	
2-chlorotoluene	ND	1	"	"	"	"	"	"	U
1,3,5-trimethylbenzene	**45**	1	"	"	"	"	"	"	
4-chlorotoluene	ND	1	"	"	"	"	"	"	U
tert-butylbenzene	ND	1	"	"	"	"	"	"	U
1,2,4-trimethylbenzene	**159**	1	"	"	"	"	"	"	
sec-butylbenzene	ND	1	"	"	"	"	"	"	U
p-isopropyltoluene	**5**	1	"	"	"	"	"	"	
1,3-dichlorobenzene	ND	1	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	1	"	"	"	"	"	"	U
n-butylbenzene	ND	1	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	1	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	1	"	"	"	"	"	"	U
hexachlorobutadiene	ND	1	"	"	"	"	"	"	U
naphthalene	**3730**	50	"	50	"	"	"	"	D
1,2,3-trichlorobenzene	ND	1	"	1	"	"	"	"	U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	1	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*97.7 %*	*82-110*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*	*83-115*		"	"	"	"	
Surrogate: Toluene-d8		*95.8 %*	*84-111*		"	"	"	"	
Surrogate: Bromofluorobenzene		*98.4 %*	*83-115*		"	"	"	"	

The results in this report apply to the samples as received by the laboratory and analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Niagara Falls Project Number: Mechanicville M.G.P. Project Manager: Gary Rose	Reported: 02/17/09 14:31

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 026 A (9B17001-04) Water	**Sampled: 02/16/09 14:00 Received: 02/17/09 08:00**								
ethylbenzene	**788**	50	ug/l	50	AB91702	02/17/09	02/17/09	8260	D
m,p-xylene	**447**	100	"	"	"	"	"	"	D
o-xylene	**294**	50	"	"	"	"	"	"	D
styrene	**212**	50	"	"	"	"	"	"	D
bromoform	ND	1	"	1	"	"	"	"	U
isopropylbenzene	**46**	1	"	"	"	"	"	"	
1,1,2,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U
bromobenzene	ND	1	"	"	"	"	"	"	U
1,2,3-trichloropropane	ND	1	"	"	"	"	"	"	U
n-propylbenzene	**16**	1	"	"	"	"	"	"	
2-chlorotoluene	ND	1	"	"	"	"	"	"	U
1,3,5-trimethylbenzene	**66**	1	"	"	"	"	"	"	
4-chlorotoluene	ND	1	"	"	"	"	"	"	U
tert-butylbenzene	ND	1	"	"	"	"	"	"	U
1,2,4-trimethylbenzene	**206**	50	"	50	"	"	"	"	D
sec-butylbenzene	ND	1	"	1	"	"	"	"	U
p-isopropyltoluene	**7**	1	"	"	"	"	"	"	
1,3-dichlorobenzene	ND	1	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	1	"	"	"	"	"	"	U
n-butylbenzene	ND	1	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	1	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	1	"	"	"	"	"	"	U
hexachlorobutadiene	ND	1	"	"	"	"	"	"	U
naphthalene	**5870**	50	"	50	"	"	"	"	D
1,2,3-trichlorobenzene	ND	1	"	1	"	"	"	"	U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	1	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*95.9 %*	*82-110*	"	"	"	"		
Surrogate: 1,2-Dichloroethane-d4		*110 %*	*83-115*	"	"	"	"		
Surrogate: Toluene-d8		*95.7 %*	*84-111*	"	"	"	"		
Surrogate: Bromofluorobenzene		*96.7 %*	*83-115*	"	"	"	"		

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Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Niagara Falls Project Number: Mechanicville M.G.P. Project Manager: Gary Rose	**Reported:** 02/17/09 14:31

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 026 B (9B17001-05) Water	**Sampled: 02/16/09 14:00**		**Received: 02/17/09 08:00**						
dichlorodifluoromethane	ND	2	ug/l	1	AB91702	02/17/09	02/17/09	8260	U
chloromethane	ND	2	"	"	"	"	"	"	U
vinyl chloride	ND	2	"	"	"	"	"	"	U
bromomethane	ND	2	"	"	"	"	"	"	U
chloroethane	ND	2	"	"	"	"	"	"	U
trichlorofluoromethane	ND	2	"	"	"	"	"	"	U
1,1-dichloroethene	ND	1	"	"	"	"	"	"	U
acetone	**25**	10	"	"	"	"	"	"	U
carbon disulfide	**1**	1	"	"	"	"	"	"	
methylene chloride	ND	2	"	"	"	"	"	"	U
Methyl tert-butyl ether	ND	1	"	"	"	"	"	"	U
Acrylonitrile	ND	10	"	"	"	"	"	"	U
trans-1,2-dichloroethene	ND	1	"	"	"	"	"	"	U
1,1-dichloroethane	ND	1	"	"	"	"	"	"	U
vinyl acetate	ND	10	"	"	"	"	"	"	U
2-butanone	ND	10	"	"	"	"	"	"	U
2,2-dichloropropane	ND	1	"	"	"	"	"	"	U
cis-1,2-dichloroethene	ND	1	"	"	"	"	"	"	U
chloroform	ND	1	"	"	"	"	"	"	U
bromochloromethane	ND	1	"	"	"	"	"	"	U
1,1,1-trichloroethane	ND	1	"	"	"	"	"	"	U
carbon tetrachloride	ND	1	"	"	"	"	"	"	U
1,1-dichloropropene	ND	1	"	"	"	"	"	"	U
benzene	**1070**	50	"	50	"	"	"	"	D
1,2-dichloroethane	ND	1	"	1	"	"	"	"	U
trichloroethene	ND	1	"	"	"	"	"	"	U
1,2-dichloropropane	ND	1	"	"	"	"	"	"	U
bromodichloromethane	ND	1	"	"	"	"	"	"	U
2-chloroethylvinyl ether	ND	10	"	"	"	"	"	"	U
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	"	"	"	"	U
cis-1,3-dichloropropene	ND	1	"	"	"	"	"	"	U
toluene	**557**	50	"	50	"	"	"	"	D
trans-1,3-dichloropropene	ND	1	"	1	"	"	"	"	U
1,1,2-trichloroethane	ND	1	"	"	"	"	"	"	U
2-hexanone	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	1	"	"	"	"	"	"	U
1,3-dichloropropane	ND	1	"	"	"	"	"	"	U
dibromochloromethane	ND	1	"	"	"	"	"	"	U
1,2-dibromoethane	ND	1	"	"	"	"	"	"	U
1-chlorohexane	ND	1	"	"	"	"	"	"	U
chlorobenzene	ND	1	"	"	"	"	"	"	U
1,1,1,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U

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Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Niagara Falls Project Number: Mechanicville M.G.P. Project Manager: Gary Rose	Reported: 02/17/09 14:31

Volatile Organic Compounds by EPA Method 8260B

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MCFT WWNA 026 B (9B17001-05) Water	**Sampled: 02/16/09 14:00**		**Received: 02/17/09 08:00**						
ethylbenzene	**804**	50	ug/l	50	AB91702	02/17/09	02/17/09	8260	D
m,p-xylene	**478**	100	"	"	"	"	"	"	D
o-xylene	**302**	50	"	"	"	"	"	"	D
styrene	**211**	50	"	"	"	"	"	"	D
bromoform	ND	1	"	1	"	"	"	"	U
isopropylbenzene	**45**	1	"	"	"	"	"	"	
1,1,2,2-tetrachloroethane	ND	1	"	"	"	"	"	"	U
bromobenzene	ND	1	"	"	"	"	"	"	U
1,2,3-trichloropropane	ND	1	"	"	"	"	"	"	U
n-propylbenzene	**16**	1	"	"	"	"	"	"	
2-chlorotoluene	ND	1	"	"	"	"	"	"	U
1,3,5-trimethylbenzene	**66**	1	"	"	"	"	"	"	
4-chlorotoluene	ND	1	"	"	"	"	"	"	U
tert-butylbenzene	ND	1	"	"	"	"	"	"	U
1,2,4-trimethylbenzene	**210**	50	"	50	"	"	"	"	D
sec-butylbenzene	ND	1	"	1	"	"	"	"	U
p-isopropyltoluene	**7**	1	"	"	"	"	"	"	
1,3-dichlorobenzene	ND	1	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	1	"	"	"	"	"	"	U
n-butylbenzene	ND	1	"	"	"	"	"	"	U
1,2-dichlorobenzene	ND	1	"	"	"	"	"	"	U
1,2-dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	U
1,2,4-trichlorobenzene	ND	1	"	"	"	"	"	"	U
hexachlorobutadiene	ND	1	"	"	"	"	"	"	U
naphthalene	**6160**	50	"	50	"	"	"	"	D
1,2,3-trichlorobenzene	ND	1	"	1	"	"	"	"	U
1,1,2-trichloro-1,2,2-trifluoroethane	ND	1	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*95.2 %*	*82-110*	"	"	"	"		
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*83-115*	"	"	"	"		
Surrogate: Toluene-d8		*95.1 %*	*84-111*	"	"	"	"		
Surrogate: Bromofluorobenzene		*97.8 %*	*83-115*	"	"	"	"		

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Sevenson Environmental Services 2749 Lockport Road Niagara Falls NY, 14302	Project: Niagara Falls Project Number: Mechanicville M.G.P. Project Manager: Gary Rose	Reported: 02/17/09 14:31

Notes and Definitions

U	Analyte included in the analysis, but not detected at or above the reporting limit.
D	This flag assigned to compounds identified in an analysis at a secondary dilution factor.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Chain of Custody Record

4B17001

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client: ANSEG	Project Manager: Tracy Blazicek	Date: 2/16/09	Chain of Custody Number: 097471
Address:	Telephone Number (Area Code)/Fax Number: 607-762-8834	Lab Number:	Page _____ of _____
City:	State:	Zip Code:	
Project Name and Location (State): Alexandria MCP	Site Contact: Matthew Thorpe 516-426-4383	Lab Contact:	Analysis (Attach list if more space is needed)
Contract/Purchase Order/Quote No.	Carrier/Waybill Number:		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HCl	HCl	NaOH	ZnAc/ NaOH	Analysis: BTEX	Special Instructions/ Conditions of Receipt
MCET WWNA 023	2/16/09	14:00		X					X				X	01
MCET WWNA 024	2/16/09	14:00		X					X				X	02
MCET WWNA 025	2/16/09	14:00		X					X				X	03
MCET WWNA 026 A	2/16/09	14:00		X					X				X	04
MCET WWNA 026 B	2/16/09	14:00		X					X				X	05

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1		2/16/09	14:15		2/16/09	14:15
2		2/16/09	19:30		2/16/09	19:30
3		2-17-09	6:30		2-17-09	08:00

Comments: 2.0°C Received

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

FEB. 17. 2009 3:07PM NO. 5011 P. 15

Appendix H

Anthony Kill Sediment Monitoring Results

11/17/2008	Anthony Kill Stream Monitoring				
	T1	T2	T3	T4	
SAMPLE1	Cobbles & Bedrock	9" Fine Gravel	2" Fine Gravel	18" Silty W/Oil Res., has Light Sheen	
SAMPLE2	Cobbles & Bedrock	2" Fine Gravel W/Cobbles	6" Fine Gravel	10" Gravel & Silt, No Oil Res.	
SAMPLE3	Cobbles & Bedrock	Cobbles	1" Gravel & Gritt	6" Fine Gravel, No Oil	
SAMPLE4	Cobbles & Bedrock	No Sample Bedrock	Large Gravel Bottom	8" Gravel, No Fines	
SAMPLE5	Cobbles & Bedrock	No Sample Bedrock	Large Gravel Bottom	9" sand & Gravel	
SAMPLE6	Cobbles & Bedrock	Bedrock	8" Fine Stone	2" Gravel, No Oil	
SAMPLE7	2" - Fine Gravel	B edrock	8" Sand	On Top of Rock	
SAMPLE8	1" Bed Rock & Gravel			3" Sand & Gravel	
SAMPLE9	1" Bed Rock & Gravel			8" Sand & Gravel	
SAMPLE10				22" All Sand	
SAMPLE11					
SAMPLE12					

3/26/2009	Anthony Kill Stream Monitoring				
	T1	T2	T3	T4	
SAMPLE1	Cobbles & Bedrock	Sand Super Sack	Sand Super Sack	18" Silty W/Oil Res., has Light Sheen	
SAMPLE2	Cobbles & Bedrock	4" Fine Gravel W/Cobbles	6" Fine Gravel	Sand Super sack	
SAMPLE3	Cobbles & Bedrock	Cobbles	4" Gravel & Gritt	10" Fine Gravel, No Oil	
SAMPLE4	Cobbles & Bedrock	No Sample Bedrock	Large Gravel Bottom	10" Gravel, No Fines	
SAMPLE5	Cobbles & Bedrock	No Sample Bedrock	Large Gravel Bottom	9" sand & Gravel	
SAMPLE6	Cobbles & Bedrock	Bedrock	2" Fine Stone	3" Gravel, No Oil	
SAMPLE7	2" - Fine Gravel	1.5" Fine Gravel	8" Sand	On Top of Rock	
SAMPLE8	1" Bed Rock & Gravel			4" Sand & Gravel	
SAMPLE9	1" Bed Rock & Gravel			10" Sand & Gravel	
SAMPLE10				28" All Sand	
SAMPLE11					
SAMPLE12					

6/26/2009	Anthony Kill Stream Monitoring			
	T1	T2	T3	T4
SAMPLE1	Cobbles & Bedrock	10" Fine Gravel	6" Fine Gravel	20" Silty & Fine Gravel
SAMPLE2	Cobbles & Bedrock	4" Fine Gravel W/Cobbles	6" Fine Gravel	12" Fine Gravel
SAMPLE3	Cobbles & Bedrock	Cobbles	4" Gravel & Gritt	10" Fine Gravel
SAMPLE4	Cobbles & Bedrock	No Sample Bedrock	Large Gravel Bottom	10" Gravel, No Fines
SAMPLE5	Cobbles & Bedrock	No Sample Bedrock	Large Gravel Bottom	9" sand & Gravel
SAMPLE6	Cobbles & Bedrock	Bedrock	2" Fine Stone	3" Gravel
SAMPLE7	2" - Fine Gravel	1.5" Fine Gravel	8" Sand	On Top of Rock
SAMPLE8	1" B ed Rock & Gravel			4" Sand & Gravel
SAMPLE9	1" B ed Rock & Gravel			10" Sand & Gravel
SAMPLE10				28" All Sand
SAMPLE11				
SAMPLE12				