

APPENDIX H-2

POST-EXCAVATION SAMPLES

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC A

Post Excavation Sampling
 TOTAL SAMPLES = 25

Compounds	Remediation Goals	AOC-A East Wall#1	AOC-A East Wall	AOC-A East Wall #3	AOC-A East Wall #4	AOC-A South Wall #1	AOC-A West Wall #1	AOC-A West Wall #2	AOC-A West Wall #3	AOC-A West Wall #4	AOC A Bottom	AOC A Bottom #1	AOC A Bottom #2	AOC A Bottom #4	AOC A Bottom #5	AOC A North Wall#1	AOC A North Wall#2	AOC-A East Wall#1	AOC-A West Wall #2	AOC-A West Wall #3	AOC A Bottom #4	AOC A Bottom #5	AOC A Bottom #5	AOC-A West Wall #2	AOC-A West Wall #2 FO#33	AOC-A West Wall #2 FO#37
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	ND	ND	ND	0.18	ND	ND	10	0.39	ND	ND	ND	ND	0.92	11	ND	ND	NS	12	NS	0.16	1.6	0.037	3.4	4.4	0.73
arsenic	13 ppm	13.8	6.4	9.9	8.5	7.4	4	9.7	13.3	9.6	12.5	10.4	11	9.5	11.8	9.6	6.4	8.5	NS	NS	NS	NS	NS	NS	NS	NS
chromium	30 ppm	23.2	17.2	19.7	19.5	15.9	8.9	19.6	15.4	21.8	23.2	18.2	23.7	19	20.1	21.8	16.9	NS	NS	NS	NS	NS	NS	NS	NS	NS
copper	50 ppm	20.6	8.5	16	15.7	13.9	5.8	17	14.7	19.6	15.7	15.4	16.4	12.7	14.8	17.2	9.3	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	0.000284	0.000075	0.0056	0	0.016	0.052	0.17	1.23	0.00059	0.000073	0	0.00104	0.0034	0.026	0.00014	0.00092	NS	NS	0.0068	NS	NS	NS	NS	NS	NS

ND = Non-Detect
 Bold and Yellow= - Please note, there is no sample called AOC-A East Wall #2 or AOC-A Bottom#3

Red/Bold= 2nd exceedance Blue = Field Order 28 Exceedance Orange = Field Order 33 Exceedance

BID ITEM UC-4a =

136

AOC A

Post Excavation Sampling

Compounds	Remediation Goals	AOC-A East Wall#1	AOC-A East Wall	AOC-A East Wall #3	AOC-A East Wall #4	AOC-A South Wall #1	AOC-A West Wall #1	AOC-A West Wall #2	AOC-A West Wall #3	AOC-A West Wall #4	AOC A Bottom	AOC A Bottom #1	AOC A Bottom #2	AOC A Bottom #4	AOC A Bottom #5	AOC A North Wall#1	AOC A North Wall#2			
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
pentachlorophenol	0.8 ppm	ND	ND	ND	0.18	ND	ND	ND	10	0.39	ND	ND	ND	ND	0.92	11	ND	ND		
arsenic	13 ppm	13.8	6.4	9.9	8.5	7.4	4	9.7	13.3	9.6	12.5	10.4	11	9.5	11.8	9.6	6.4			
chromium	30 ppm	23.2	17.2	19.7	19.5	15.9	8.9	19.6	15.4	21.8	23.2	18.2	23.7	19	20.1	21.8	16.9			
copper	50 ppm	20.6	8.5	16	15.7	13.9	5.8	17	14.7	19.6	15.7	15.4	16.4	12.7	14.8	17.2	9.3			
2,3,7,8-TCDD TEQ	1 ppb	0.000284	0.000075	0.0056	0	0.016	0.052	0.17	1.23	0.00059	0.000073	0	0.00104	0.0034	0.026	0.00014	0.00092			

ND = Non-Detect

Bold and Yellow=

Exceedance

- Please note, there is no sample called AOC-A East Wall #2 or AOC-A Bottom#3

ANALYTICAL REPORT

Job#: A08-A209

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Georgetown - Level IV

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

TestAmerica Laboratories Inc.



Richard J. Lafond
Project Manager

08/29/2008

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A20903	A0C-A EASTWALL #4	SOIL	08/20/2008	15:51	08/21/2008	09:00
A8A20902	A0C-A SOUTHWALL #1	SOIL	08/20/2008	11:11	08/21/2008	09:00
A8A20901	A0C-A WESTWALL #1	SOIL	08/20/2008	10:53	08/21/2008	09:00

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METHODS SUMMARY

Job#: A08-A209

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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SDG NARRATIVE

Job#: A08-A209

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A209

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Richard J. Lafond
Project Manager

Date

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Sample ID: AOC-A EASTWALL #4

Date Received: 08/21/2008

Lab Sample ID: A8A20903

Project No: NY5A9454

Date Collected: 08/20/2008

Client No: 135066

Time Collected: 15:51

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		200		UG/KG	8270	08/25/2008	15:05	AJ
Bis(2-ethylhexyl) phthalate	ND		200		UG/KG	8270	08/25/2008	15:05	AJ
Pentachlorophenol	180	J	380		UG/KG	8270	08/25/2008	15:05	AJ
Metals Analysis									
Arsenic - Total	8.5		2.3		MG/KG	6010	08/23/2008	02:19	
Chromium - Total	19.5		0.57		MG/KG	6010	08/23/2008	02:19	
Copper - Total	15.7		1.1		MG/KG	6010	08/23/2008	02:19	

Sample ID: AOC-A SOUTHWALL #1

Date Received: 08/21/2008

Lab Sample ID: A8A20902

Project No: NY5A9454

Date Collected: 08/20/2008

Client No: 135066

Time Collected: 11:11

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/25/2008	14:42	AJ
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/25/2008	14:42	AJ
Pentachlorophenol	ND		370	UG/KG	8270	08/25/2008	14:42	AJ
Metals Analysis								
Arsenic - Total	7.4		2.4	MG/KG	6010	08/23/2008	02:14	
Chromium - Total	15.9		0.59	MG/KG	6010	08/23/2008	02:14	
Copper - Total	13.9		1.2	MG/KG	6010	08/23/2008	02:14	

Sample ID: AOC-A WESTWALL #1

Date Received: 08/21/2008

Lab Sample ID: A8A20901

Project No: NY5A9454

Date Collected: 08/20/2008

Client No: 135066

Time Collected: 10:53

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		210	UG/KG	8270	08/25/2008	14:20	AJ
Bis(2-ethylhexyl) phthalate	ND		210	UG/KG	8270	08/25/2008	14:20	AJ
Pentachlorophenol	ND		400	UG/KG	8270	08/25/2008	14:20	AJ
Metals Analysis								
Arsenic - Total	4.0		2.5	MG/KG	6010	08/23/2008	02:09	
Chromium - Total	8.9		0.63	MG/KG	6010	08/23/2008	02:09	
Copper - Total	5.8		1.3	MG/KG	6010	08/23/2008	02:09	

SDG NARRATIVE

Job#: A08-A294

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A294

Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A29402	AOC-A BOTTOM#5	SOIL	08/21/2008	09:40	08/22/2008	09:00
A8A29401	AOC-A WESTWALL#2	SOIL	08/21/2008	10:20	08/22/2008	09:00

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METHODS SUMMARY

Job#: A08-A294

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
AOC-A WESTWALL#2	A8A29401DL	8270	4.00	008
AOC-A BOTTOM#5	A8A29402DL	8270	4.00	008

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

Sample ID: AOC-A BOTTOM#5

Date Received: 08/22/2008

Lab Sample ID: A8A29402

Project No: NY5A9454

Date Collected: 08/21/2008

Client No: 135066

Time Collected: 09:40

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		200		UG/KG	8270	08/27/2008	16:20	MD
Bis(2-ethylhexyl) phthalate	ND		200		UG/KG	8270	08/27/2008	16:20	MD
Pentachlorophenol	10000	E	380		UG/KG	8270	08/27/2008	16:20	MD
Metals Analysis									
Arsenic - Total	11.8		2.4		MG/KG	6010	08/25/2008	23:28	
Chromium - Total	20.1		0.61		MG/KG	6010	08/25/2008	23:28	
Copper - Total	14.8		1.2		MG/KG	6010	08/25/2008	23:28	

Sample ID: AOC-A BOTTOM#5

Date Received: 08/22/2008

Lab Sample ID: A8A29402DL

Project No: NY5A9454

Date Collected: 08/21/2008

Client No: 135066

Time Collected: 09:40

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		790	UG/KG	8270	08/28/2008	20:07	JLG
Bis(2-ethylhexyl) phthalate	ND		790	UG/KG	8270	08/28/2008	20:07	JLG
Pentachlorophenol	11000	D	1500	UG/KG	8270	08/28/2008	20:07	JLG

Sample ID: AOC-A WESTWALL#2

Date Received: 08/22/2008

Lab Sample ID: A8A29401

Project No: NY5A9454

Date Collected: 08/21/2008

Client No: 135066

Time Collected: 10:20

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		190		UG/KG	8270	08/27/2008	15:57	MD
Bis(2-ethylhexyl) phthalate	ND		190		UG/KG	8270	08/27/2008	15:57	MD
Pentachlorophenol	9900	E	370		UG/KG	8270	08/27/2008	15:57	MD
Metals Analysis									
Arsenic - Total	9.7		2.3		MG/KG	6010	08/25/2008	23:10	
Chromium - Total	19.6		0.58		MG/KG	6010	08/25/2008	23:10	
Copper - Total	17.0		1.2		MG/KG	6010	08/25/2008	23:10	

Sample ID: AOC-A WESTWALL#2

Date Received: 08/22/2008

Lab Sample ID: A8A29401DL

Project No: NY5A9454

Date Collected: 08/21/2008

Client No: 135066

Time Collected: 10:20

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		760	UG/KG	8270	08/28/2008	19:44	JLG
Bis(2-ethylhexyl) phthalate	ND		760	UG/KG	8270	08/28/2008	19:44	JLG
Pentachlorophenol	10000	D	1500	UG/KG	8270	08/28/2008	19:44	JLG

SDG NARRATIVE

Job#: A08-A325

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

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Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A325

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

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METHODS SUMMARY

Job#: A08-A325

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A32503	AOC-A BOTTOM#4	SOIL	08/22/2008	13:00	08/23/2008	09:00
A8A32501	AOC-A EASTWALL#3	SOIL	08/22/2008	09:20	08/23/2008	09:00
A8A32502	AOC-A WESTWALL#3	SOIL	08/22/2008	09:00	08/23/2008	09:00

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Sample ID: AOC-A BOTTOM#4

Date Received: 08/23/2008

Lab Sample ID: A8A32503

Project No: NY5A9454

Date Collected: 08/22/2008

Client No: 135066

Time Collected: 13:00

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/27/2008	17:29	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/27/2008	17:29	MD
Pentachlorophenol	920		370	UG/KG	8270	08/27/2008	17:29	MD
Metals Analysis								
Arsenic - Total	9.5		2.2	MG/KG	6010	08/25/2008	23:50	
Chromium - Total	19.0		0.56	MG/KG	6010	08/25/2008	23:50	
Copper - Total	12.7		1.1	MG/KG	6010	08/25/2008	23:50	

Sample ID: AOC-A EASTWALL#3

Date Received: 08/23/2008

Lab Sample ID: A8A32501

Project No: NY5A9454

Date Collected: 08/22/2008

Client No: 135066

Time Collected: 09:20

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/27/2008	16:43	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/27/2008	16:43	MD
Pentachlorophenol	ND		370	UG/KG	8270	08/27/2008	16:43	MD
Metals Analysis								
Arsenic - Total	9.9		2.2	MG/KG	6010	08/25/2008	23:39	
Chromium - Total	19.7		0.55	MG/KG	6010	08/25/2008	23:39	
Copper - Total	16.0		1.1	MG/KG	6010	08/25/2008	23:39	

Sample ID: AOC-A WESTWALL#3

Date Received: 08/23/2008

Lab Sample ID: A8A32502

Project No: NY5A9454

Date Collected: 08/22/2008

Client No: 135066

Time Collected: 09:00

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/27/2008	17:06	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/27/2008	17:06	MD
Pentachlorophenol	390		370	UG/KG	8270	08/27/2008	17:06	MD
Metals Analysis								
Arsenic - Total	13.3		2.2	MG/KG	6010	08/25/2008	23:44	
Chromium - Total	15.4		0.55	MG/KG	6010	08/25/2008	23:44	
Copper - Total	14.7		1.1	MG/KG	6010	08/25/2008	23:44	

SDG NARRATIVE

Job#: A08-A391

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

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Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A391

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A39101	AOC-A BOTTOM	SOIL	08/25/2008	13:20	08/26/2008	09:10
A8A39102	AOC-A EAST WALL	SOIL	08/25/2008	16:12	08/26/2008	09:10

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-A391

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: AOC-A BOTTOM

Date Received: 08/26/2008

Lab Sample ID: A8A39101

Project No: NY5A9454

Date Collected: 08/25/2008

Client No: 135066

Time Collected: 13:20

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		200	UG/KG	8270	08/28/2008	16:19	JLG
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	08/28/2008	16:19	JLG
Pentachlorophenol	ND		380	UG/KG	8270	08/28/2008	16:19	JLG
Metals Analysis								
Arsenic - Total	12.5		2.4	MG/KG	6010	08/27/2008	16:32	
Chromium - Total	23.2		0.60	MG/KG	6010	08/27/2008	16:32	
Copper - Total	15.7		1.2	MG/KG	6010	08/27/2008	16:32	

Sample ID: AOC-A EAST WALL

Date Received: 08/26/2008

Lab Sample ID: A8A39102

Project No: NY5A9454

Date Collected: 08/25/2008

Client No: 135066

Time Collected: 16:12

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		210	UG/KG	8270	08/28/2008	16:42	JLG
Bis(2-ethylhexyl) phthalate	ND		210	UG/KG	8270	08/28/2008	16:42	JLG
Pentachlorophenol	ND		400	UG/KG	8270	08/28/2008	16:42	JLG
Metals Analysis								
Arsenic - Total	6.4		2.5	MG/KG	6010	08/27/2008	16:37	
Chromium - Total	17.2		0.62	MG/KG	6010	08/27/2008	16:37	
Copper - Total	8.5		1.2	MG/KG	6010	08/27/2008	16:37	

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A45703	AOC-A BOTTOM 2	SOIL	08/26/2008	14:40	08/27/2008	09:00
A8A45702	AOC-A WESTWALL 4	SOIL	08/26/2008	14:30	08/27/2008	09:00
A8A45701	AOC-J BOTTOM 1	SOIL	08/26/2008	13:40	08/27/2008	09:00

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-A457

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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Sample ID: AOC-A BOTTOM 2

Date Received: 08/27/2008

Lab Sample ID: A8A45703

Project No: NY5A9454

Date Collected: 08/26/2008

Client No: 135066

Time Collected: 14:40

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		200	UG/KG	8270	09/03/2008	22:45	MD
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	09/03/2008	22:45	MD
Pentachlorophenol	ND		380	UG/KG	8270	09/03/2008	22:45	MD
Metals Analysis								
Arsenic - Total	11.0		2.2	MG/KG	6010	08/28/2008	19:27	
Chromium - Total	23.7		0.55	MG/KG	6010	08/28/2008	19:27	
Copper - Total	16.4		1.1	MG/KG	6010	08/28/2008	19:27	

Sample ID: AOC-A WESTWALL 4

Date Received: 08/27/2008

Lab Sample ID: A8A45702

Project No: NY5A9454

Date Collected: 08/26/2008

Client No: 135066

Time Collected: 14:30

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/03/2008	22:22	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	22:22	MD
Pentachlorophenol	ND		370	UG/KG	8270	09/03/2008	22:22	MD
Metals Analysis								
Arsenic - Total	9.6		2.3	MG/KG	6010	08/28/2008	19:22	
Chromium - Total	21.8		0.57	MG/KG	6010	08/28/2008	19:22	
Copper - Total	19.6		1.1	MG/KG	6010	08/28/2008	19:22	

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A58901	AOC-A EASTWALL#1	SOIL	08/27/2008	00:00	08/29/2008	09:00
A8A58905	AOC-D EASTWALL#3	SOIL	08/28/2008	10:45	08/29/2008	09:00
A8A58904	AOC-D EASTWALL#4	SOIL	08/28/2008	11:00	08/29/2008	09:00
A8A58902	AOC-D NORTHWALL#1	SOIL	08/28/2008	11:20	08/29/2008	09:00
A8A58903	AOC-D NORTHWALL#2	SOIL	08/28/2008	11:40	08/29/2008	09:00
A8A58906	AOC-D WESTWALL#1	SOIL	08/28/2008	11:55	08/29/2008	09:00
A8A58907	AOC-D WESTWALL#2	SOIL	08/28/2008	12:05	08/29/2008	09:00
A8A58908	AOC-D WESTWALL#3	SOIL	08/28/2008	12:10	08/29/2008	09:00
A8A58912	AOC-E BOTTOM#1	SOIL	08/28/2008	10:35	08/29/2008	09:00
A8A58909	AOC-E EASTWALL#1	SOIL	08/28/2008	10:30	08/29/2008	09:00
A8A58910	AOC-E SOUTHWALL#1	SOIL	08/28/2008	10:25	08/29/2008	09:00
A8A58911	AOC-E SOUTHWALL#2	SOIL	08/28/2008	10:20	08/29/2008	09:00

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METHODS SUMMARY

Job#: A08-A589

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
A0C-E BOTTOM#1	A8A58912DL	8270	10.00	008

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

Sample ID: AOC-A EASTWALL#1

Date Received: 08/29/2008

Lab Sample ID: A8A58901

Project No: NY5A9454

Date Collected: 08/27/2008

Client No: 135066

Time Collected: 00:00

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/03/2008	19:04	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	19:04	JLG
Pentachlorophenol	ND		370	UG/KG	8270	09/03/2008	19:04	JLG
Metals Analysis								
Arsenic - Total	13.8		2.4	MG/KG	6010	09/03/2008	02:16	
Chromium - Total	23.2		0.59	MG/KG	6010	09/03/2008	02:16	
Copper - Total	20.6		1.2	MG/KG	6010	09/03/2008	02:16	

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A63401	AOC-A BOTTOM # 1	SOIL	08/29/2008	11:00	08/30/2008	09:15
A8A63402	AOC-E WEST WALL # 1	SOIL	08/29/2008	10:30	08/30/2008	09:15

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-A634

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SDG NARRATIVE

Job#: A08-A634

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A634

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: AOC-A BOTTOM # 1

Date Received: 08/30/2008

Lab Sample ID: A8A63401

Project No: NY5A9454

Date Collected: 08/29/2008

Client No: 135066

Time Collected: 11:00

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/03/2008	01:08	AJ
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	01:08	AJ
Pentachlorophenol	ND		370	UG/KG	8270	09/03/2008	01:08	AJ
Metals Analysis								
Arsenic - Total	10.4		2.5	MG/KG	6010	09/04/2008	05:31	
Chromium - Total	18.2		0.61	MG/KG	6010	09/04/2008	05:31	
Copper - Total	15.4		1.2	MG/KG	6010	09/04/2008	05:31	

SDG NARRATIVE

Job#: A08-A707

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A707

Sample Cooler(s) were received at the following temperature(s); 3@4.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

The continuing calibration verification standard A8C0002237 exhibited the percent Difference (%D) as greater than 20% on the Form VII for the analyte Pentachlorophenol. Since this analyte was calibrated using linear regression, the CCV must be evaluated using %Drift rather than %Difference. The CCV demonstrated %Drift of 10.14%. No corrective action was required (consistent with the laboratory Standard Operating Procedure (SOP), Section 13.5.2, which states that up to 4 analytes may have a %D or %Drift of greater than 20% but less than 40%).

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A70701	AOC-A NORTHWALL#1	SOIL	09/02/2008	08:00	09/03/2008	09:10
A8A70702	AOC-A NORTHWALL#2	SOIL	09/02/2008	08:10	09/03/2008	09:10
A8A70703	AOC-D BOTTOM#1	SOIL	09/02/2008	14:30	09/03/2008	09:10
A8A70704	AOC-D BOTTOM#2	SOIL	09/02/2008	14:40	09/03/2008	09:10
A8A70705	AOC-D BOTTOM#3	SOIL	09/02/2008	14:50	09/03/2008	09:10
A8A70706	AOC-D SOUTHWALL#1	SOIL	09/02/2008	15:00	09/03/2008	09:10
A8A70707	AOC-L BOTTOM#1	SOIL	09/02/2008	10:00	09/03/2008	09:10
A8A70708	AOC-L SOUTHWALL#1	SOIL	09/02/2008	10:15	09/03/2008	09:10

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-A707

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - PCP Only	SW8463 8270
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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Sample ID: AOC-A NORTHWALL#1
 Lab Sample ID: A8A70701
 Date Collected: 09/02/2008
 Time Collected: 08:00

Date Received: 09/03/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/08/2008	11:48	AJ
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/08/2008	11:48	AJ
Pentachlorophenol	ND		360	UG/KG	8270	09/08/2008	11:48	AJ
Metals Analysis								
Arsenic - Total	9.6		2.4	MG/KG	6010	09/05/2008	14:49	
Chromium - Total	21.8		0.60	MG/KG	6010	09/05/2008	14:49	
Copper - Total	17.2		1.2	MG/KG	6010	09/05/2008	14:49	

Sample ID: AOC-A NORTHWALL#2
 Lab Sample ID: A8A70702
 Date Collected: 09/02/2008
 Time Collected: 08:10

Date Received: 09/03/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		220	UG/KG	8270	09/08/2008	12:11	AJ
Bis(2-ethylhexyl) phthalate	ND		220	UG/KG	8270	09/08/2008	12:11	AJ
Pentachlorophenol	ND		420	UG/KG	8270	09/08/2008	12:11	AJ
Metals Analysis								
Arsenic - Total	6.4		2.6	MG/KG	6010	09/05/2008	15:07	
Chromium - Total	16.9		0.66	MG/KG	6010	09/05/2008	15:07	
Copper - Total	9.3		1.3	MG/KG	6010	09/05/2008	15:07	

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A EASTWALL #1

Lot-Sample #...: G8H290172 - 005
 Date Sampled...: 08/27/08
 Prep Date.....: 09/05/08
 Prep Batch #...: 8253418

Work Order #...: KV2FM2AC
 Date Received..: 08/29/08
 Analysis Date...: 09/09/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 16

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.3	1.000	0
Total TCDD	ND	1.3		0
1,2,3,7,8-PeCDD	ND	3.5	0.500	0
Total PeCDD	ND	3.5		0
1,2,3,4,7,8-HxCDD	ND	3.3	0.100	0
1,2,3,6,7,8-HxCDD	ND	2.9	0.100	0
1,2,3,7,8,9-HxCDD	ND	2.8	0.100	0
Total HxCDD	ND	3.3		0
1,2,3,4,6,7,8-HpCDD	ND	21	0.010	0
Total HpCDD	ND	21		0
OCDD	190		0.001	0.1900
2,3,7,8-TCDF	ND	2.1	0.100	0
Total TCDF	ND	2.1		0
1,2,3,7,8-PeCDF	ND	2.2	0.050	0
2,3,4,7,8-PeCDF	ND	2.3	0.500	0
Total PeCDF	ND	2.3		0
1,2,3,4,7,8-HxCDF	ND	2.9	0.100	0
1,2,3,6,7,8-HxCDF	ND	2.5	0.100	0
2,3,4,6,7,8-HxCDF	ND	2.8	0.100	0
1,2,3,7,8,9-HxCDF	ND	3.1	0.100	0
Total HxCDF	ND	3.1		0
1,2,3,4,6,7,8-HpCDF	ND	12	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	4.1	0.010	0
Total HpCDF	31			
OCDF	94	J	0.001	0.0940
Total TEQ Concentration				0.2840

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	48	40 - 135
13C-1,2,3,7,8-PeCDD	36 *	40 - 135
13C-1,2,3,6,7,8-HxCDD	46	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	45	40 - 135
13C-OCDD	30 *	40 - 135
13C-2,3,7,8-TCDF	38 *	40 - 135
13C-1,2,3,7,8-PeCDF	39 *	40 - 135
13C-1,2,3,4,7,8-HxCDF	49	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	45	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/675/3-89/016

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A WESTWALL #1

Lot-Sample #...: G8H210190 - 001
 Date Sampled...: 08/20/08
 Prep Date.....: 08/21/08
 Prep Batch #...: 8234346

Work Order #...: KVH961AC
 Date Received..: 08/21/08
 Analysis Date..: 08/23/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 14

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	3.0	1.000	0
Total TCDD	ND	3.0		0
1,2,3,7,8-PeCDD	ND	5.4	0.500	0
Total PeCDD	ND	5.4		0
1,2,3,4,7,8-HxCDD	ND	7.2	0.100	0
1,2,3,6,7,8-HxCDD	130		0.100	13.0000
1,2,3,7,8,9-HxCDD	ND	9.1	0.100	0
Total HxCDD	280			
1,2,3,4,6,7,8-HpCDD	2000		0.010	20.0000
Total HpCDD	3400			
OCDD	11000		0.001	11.0000
2,3,7,8-TCDF	ND	2.2	0.100	0
Total TCDF	ND	4.8		0
1,2,3,7,8-PeCDF	ND	8.5	0.050	0
2,3,4,7,8-PeCDF	ND	8.8	0.500	0
Total PeCDF	ND	15		0
1,2,3,4,7,8-HxCDF	39	J	0.100	3.9000
1,2,3,6,7,8-HxCDF	ND	13	0.100	0
2,3,4,6,7,8-HxCDF	ND	18	0.100	0
1,2,3,7,8,9-HxCDF	ND	6.9	0.100	0
Total HxCDF	970			
1,2,3,4,6,7,8-HpCDF	310		0.010	3.1000
1,2,3,4,7,8,9-HpCDF	ND	22	0.010	0
Total HpCDF	1600			
OCDF	1000		0.001	1.0000
Total TEQ Concentration				52.0000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	79	40 - 135
13C-1,2,3,6,7,8-HxCDD	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	87	40 - 135
13C-OCDD	87	40 - 135
13C-2,3,7,8-TCDF	80	40 - 135
13C-1,2,3,7,8-PeCDF	77	40 - 135
13C-1,2,3,4,7,8-HxCDF	85	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A SOUTHWALL #1

Lot-Sample #...: G8H210190 - 002
 Date Sampled...: 08/20/08
 Prep Date.....: 08/21/08
 Prep Batch #...: 8234346

Work Order #...: KVH971AC
 Date Received..: 08/21/08
 Analysis Date..: 08/23/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 14

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	3.5	1.000	0
Total TCDD	ND	3.5		0
1,2,3,7,8-PeCDD	ND	6.2	0.500	0
Total PeCDD	ND	6.2		0
1,2,3,4,7,8-HxCDD	ND	7.4	0.100	0
1,2,3,6,7,8-HxCDD	33	J	0.100	3.3000
1,2,3,7,8,9-HxCDD	ND	6.4	0.100	0
Total HxCDD	63			
1,2,3,4,6,7,8-HpCDD	700		0.010	7.0000
Total HpCDD	1100			
OCDD	3500		0.001	3.5000
2,3,7,8-TCDF	ND	2.1	0.100	0
Total TCDF	ND	2.1		0
1,2,3,7,8-PeCDF	ND	4.4	0.050	0
2,3,4,7,8-PeCDF	ND	4.6	0.500	0
Total PeCDF	ND	5.7		0
1,2,3,4,7,8-HxCDF	ND	9.8	0.100	0
1,2,3,6,7,8-HxCDF	ND	4.6	0.100	0
2,3,4,6,7,8-HxCDF	ND	4.9	0.100	0
1,2,3,7,8,9-HxCDF	ND	5.5	0.100	0
Total HxCDF	270			
1,2,3,4,6,7,8-HpCDF	120		0.010	1.2000
1,2,3,4,7,8,9-HpCDF	ND	9.0	0.010	0
Total HpCDF	620			
OCDF	1100		0.001	1.1000
Total TEQ Concentration				16.1000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	83	40 - 135
13C-1,2,3,7,8-PeCDD	78	40 - 135
13C-1,2,3,6,7,8-HxCDD	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	77	40 - 135
13C-OCDD	84	40 - 135
13C-2,3,7,8-TCDF	79	40 - 135
13C-1,2,3,7,8-PeCDF	74	40 - 135
13C-1,2,3,4,7,8-HxCDF	84	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	88	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A EASTWALL #4

Lot-Sample #...: G8H210190 - 003
 Date Sampled...: 08/20/08
 Prep Date.....: 08/21/08
 Prep Batch #...: 8234346

Work Order #...: KVH981AC
 Date Received..: 08/21/08
 Analysis Date..: 08/23/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	4.1	1.000	0
Total TCDD	ND	4.1		0
1,2,3,7,8-PeCDD	ND	6.3	0.500	0
Total PeCDD	ND	6.3		0
1,2,3,4,7,8-HxCDD	ND	7.2	0.100	0
1,2,3,6,7,8-HxCDD	ND	5.6	0.100	0
1,2,3,7,8,9-HxCDD	ND	6.0	0.100	0
Total HxCDD	ND	7.2		0
1,2,3,4,6,7,8-HpCDD	ND	8.2	0.010	0
Total HpCDD	ND	8.2		0
OCDD	ND	22	0.001	0
2,3,7,8-TCDF	ND	2.5	0.100	0
Total TCDF	ND	2.5		0
1,2,3,7,8-PeCDF	ND	4.7	0.050	0
2,3,4,7,8-PeCDF	ND	4.9	0.500	0
Total PeCDF	ND	4.9		0
1,2,3,4,7,8-HxCDF	ND	4.6	0.100	0
1,2,3,6,7,8-HxCDF	ND	3.8	0.100	0
2,3,4,6,7,8-HxCDF	ND	4.5	0.100	0
1,2,3,7,8,9-HxCDF	ND	5.1	0.100	0
Total HxCDF	ND	5.1		0
1,2,3,4,6,7,8-HpCDF	ND	3.3	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	3.8	0.010	0
Total HpCDF	ND	3.8		0
OCDF	ND	9.1	0.001	0
Total TEQ Concentration				0

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	85	40 - 135
13C-1,2,3,6,7,8-HxCDD	91	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	77	40 - 135
13C-OCDD	75	40 - 135
13C-2,3,7,8-TCDF	83	40 - 135
13C-1,2,3,7,8-PeCDF	83	40 - 135
13C-1,2,3,4,7,8-HxCDF	85	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	91	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A WESTWALL #2

Lot-Sample #...: G8H220162 - 002
 Date Sampled...: 08/21/08
 Prep Date.....: 08/22/08
 Prep Batch #...: 8238558

Work Order #...: KVLN11AC
 Date Received...: 08/22/08
 Analysis Date...: 08/26/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 15

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.13	1.000	0
Total TCDD	4.3			
1,2,3,7,8-PeCDD	ND	1.2	0.500	0
Total PeCDD	3.3			
1,2,3,4,7,8-HxCDD	4.5	J	0.100	0.4500
1,2,3,6,7,8-HxCDD	310		0.100	31.0000
1,2,3,7,8,9-HxCDD	23		0.100	2.3000
Total HxCDD	630			
1,2,3,4,6,7,8-HpCDD	5400	E B	0.010	54.0000
Total HpCDD	7900			
OCDD	31000	D	0.001	31.0000
2,3,7,8-TCDF	1.7	CON	0.100	0.1700
Total TCDF	140			
1,2,3,7,8-PeCDF	16		0.050	0.8000
2,3,4,7,8-PeCDF	12		0.500	6.0000
Total PeCDF	150			
1,2,3,4,7,8-HxCDF	110		0.100	11.0000
1,2,3,6,7,8-HxCDF	28		0.100	2.8000
2,3,4,6,7,8-HxCDF	33		0.100	3.3000
1,2,3,7,8,9-HxCDF	5.0	J	0.100	0.5000
Total HxCDF	2700			
1,2,3,4,6,7,8-HpCDF	1500	B	0.010	15.0000
1,2,3,4,7,8,9-HpCDF	85		0.010	0.8500
Total HpCDF	9000			
OCDF	13000	D	0.001	13.0000
Total TEQ Concentration				172.1700

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	88	40 - 135
13C-1,2,3,7,8-PeCDD	68	40 - 135
13C-1,2,3,6,7,8-HxCDD	94	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	124	40 - 135
13C-OCDD	185 *	40 - 135
13C-2,3,7,8-TCDF	92	40 - 135
13C-1,2,3,7,8-PeCDF	83	40 - 135
13C-1,2,3,4,7,8-HxCDF	94	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	112	40 - 135

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)
Client Sample ID: AOC-A WESTWALL #2

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/675/3-89/016

- * Surrogate recovery is outside stated control limits.
- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- CON Confirmation analysis.
- D Result was obtained from the analysis of a dilution.
- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A BOTTOM #5

Lot-Sample #...: G8H220162 - 003
 Date Sampled...: 08/21/08
 Prep Date.....: 08/22/08
 Prep Batch #...: 8238558

Work Order #...: KVLN41AC
 Date Received...: 08/22/08
 Analysis Date...: 08/26/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 16

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.13	1.000	0
Total TCDD	1.4			
1,2,3,7,8-PeCDD	ND	0.63	0.500	0
Total PeCDD	ND	0.63		0
1,2,3,4,7,8-HxCDD	ND	2.1	0.100	0
1,2,3,6,7,8-HxCDD	33		0.100	3.3000
1,2,3,7,8,9-HxCDD	6.3		0.100	0.6300
Total HxCDD	78			
1,2,3,4,6,7,8-HpCDD	690	B	0.010	6.9000
Total HpCDD	1000			
OCDD	4200	B	0.001	4.2000
2,3,7,8-TCDF	ND	0.21	0.100	0
Total TCDF	3.7			
1,2,3,7,8-PeCDF	ND	1.5	0.050	0
2,3,4,7,8-PeCDF	ND	1.3	0.500	0
Total PeCDF	13			
1,2,3,4,7,8-HxCDF	12		0.100	1.2000
1,2,3,6,7,8-HxCDF	4.4	J	0.100	0.4400
2,3,4,6,7,8-HxCDF	4.6	J	0.100	0.4600
1,2,3,7,8,9-HxCDF	ND	0.68	0.100	0
Total HxCDF	400			
1,2,3,4,6,7,8-HpCDF	400	B	0.010	4.0000
1,2,3,4,7,8,9-HpCDF	19		0.010	0.1900
Total HpCDF	2300			
OCDF	4300	B	0.001	4.3000
Total TEQ Concentration				25.6200

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	90	40 - 135
13C-1,2,3,7,8-PeCDD	74	40 - 135
13C-1,2,3,6,7,8-HxCDD	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	100	40 - 135
13C-OCDD	108	40 - 135
13C-2,3,7,8-TCDF	89	40 - 135
13C-1,2,3,7,8-PeCDF	74	40 - 135
13C-1,2,3,4,7,8-HxCDF	97	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	102	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
 J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A EASTWALL #3

Lot-Sample #...: G8H230208 - 001
 Date Sampled...: 08/22/08
 Prep Date.....: 08/25/08
 Prep Batch #...: 8238513

Work Order #...: KVPE11AC
 Date Received...: 08/23/08
 Analysis Date...: 08/28/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 10

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	9.5	1.000	0
Total TCDD	ND	9.5		0
1,2,3,7,8-PeCDD	ND	20	0.500	0
Total PeCDD	ND	20		0
1,2,3,4,7,8-HxCDD	ND	18	0.100	0
1,2,3,6,7,8-HxCDD	ND	25	0.100	0
1,2,3,7,8,9-HxCDD	ND	14	0.100	0
Total HxCDD	ND	25		0
1,2,3,4,6,7,8-HpCDD	320		0.010	3.2000
Total HpCDD	490			
OCDD	1800		0.001	1.8000
2,3,7,8-TCDF	ND	6.0	0.100	0
Total TCDF	ND	6.0		0
1,2,3,7,8-PeCDF	ND	10	0.050	0
2,3,4,7,8-PeCDF	ND	11	0.500	0
Total PeCDF	ND	10		0
1,2,3,4,7,8-HxCDF	ND	13	0.100	0
1,2,3,6,7,8-HxCDF	ND	11	0.100	0
2,3,4,6,7,8-HxCDF	ND	12	0.100	0
1,2,3,7,8,9-HxCDF	ND	14	0.100	0
Total HxCDF	92			
1,2,3,4,6,7,8-HpCDF	52	J	0.010	0.5200
1,2,3,4,7,8,9-HpCDF	ND	13	0.010	0
Total HpCDF	170			
OCDF	110	J	0.001	0.1100
Total TEQ Concentration				5.6300

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	83	40 - 135
13C-1,2,3,7,8-PeCDD	76	40 - 135
13C-1,2,3,6,7,8-HxCDD	83	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	70	40 - 135
13C-OCDD	67	40 - 135
13C-2,3,7,8-TCDF	88	40 - 135
13C-1,2,3,7,8-PeCDF	84	40 - 135
13C-1,2,3,4,7,8-HxCDF	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	94	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A WESTWALL #3

Lot-Sample #...: G8H230208 - 002
 Date Sampled...: 08/22/08
 Prep Date.....: 08/25/08
 Prep Batch #...: 8238513

Work Order #...: KVPE31AC
 Date Received..: 08/23/08
 Analysis Date..: 08/28/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 15

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	9.4	1.000	0
Total TCDD	ND	60		0
1,2,3,7,8-PeCDD	62		0.500	31.0000
Total PeCDD	62			
1,2,3,4,7,8-HxCDD	190		0.100	19.0000
1,2,3,6,7,8-HxCDD	1000		0.100	100.0000
1,2,3,7,8,9-HxCDD	580		0.100	58.0000
Total HxCDD	3200			
1,2,3,4,6,7,8-HpCDD	34000 E		0.010	340.0000
Total HpCDD	48000			
OCDD	210000 E		0.001	210.0000
2,3,7,8-TCDF	ND CON	4.6	0.100	0
Total TCDF	75			
1,2,3,7,8-PeCDF	36 J		0.050	1.8000
2,3,4,7,8-PeCDF	35 J		0.500	18.0000
Total PeCDF	600			
1,2,3,4,7,8-HxCDF	360		0.100	36.0000
1,2,3,6,7,8-HxCDF	360		0.100	36.0000
2,3,4,6,7,8-HxCDF	230		0.100	23.0000
1,2,3,7,8,9-HxCDF	ND	54	0.100	0
Total HxCDF	12000			
1,2,3,4,6,7,8-HpCDF	20000		0.010	200.0000
1,2,3,4,7,8,9-HpCDF	640		0.010	6.4000
Total HpCDF	82000			
OCDF	150000 E		0.001	150.0000
Total TEQ Concentration				1229.2000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	77	40 - 135
13C-1,2,3,6,7,8-HxCDD	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	104	40 - 135
13C-OCDD	146 *	40 - 135
13C-2,3,7,8-TCDF	90	40 - 135
13C-1,2,3,7,8-PeCDF	89	40 - 135
13C-1,2,3,4,7,8-HxCDF	95	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	120	40 - 135

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)
Client Sample ID: AOC-A WESTWALL #3

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

- * Surrogate recovery is outside stated control limits.
- CON Confirmation analysis.
- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A BOTTOM #4

Lot-Sample #...: G8H230208 - 003
 Date Sampled...: 08/22/08
 Prep Date.....: 08/25/08
 Prep Batch #...: 8238513

Work Order #...: KVPE41AC
 Date Received..: 08/23/08
 Analysis Date..: 08/28/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	8.2	1.000	0
Total TCDD	ND	8.2		0
1,2,3,7,8-PeCDD	ND	12	0.500	0
Total PeCDD	ND	12		0
1,2,3,4,7,8-HxCDD	ND	15	0.100	0
1,2,3,6,7,8-HxCDD	ND	11	0.100	0
1,2,3,7,8,9-HxCDD	ND	12	0.100	0
Total HxCDD	ND	15		0
1,2,3,4,6,7,8-HpCDD	130		0.010	1.3000
Total HpCDD	210			
OCDD	1000		0.001	1.0000
2,3,7,8-TCDF	ND	4.0	0.100	0
Total TCDF	ND	4.0		0
1,2,3,7,8-PeCDF	ND	6.9	0.050	0
2,3,4,7,8-PeCDF	ND	7.2	0.500	0
Total PeCDF	ND	7.2		0
1,2,3,4,7,8-HxCDF	ND	10	0.100	0
1,2,3,6,7,8-HxCDF	ND	8.6	0.100	0
2,3,4,6,7,8-HxCDF	ND	10	0.100	0
1,2,3,7,8,9-HxCDF	ND	12	0.100	0
Total HxCDF	33			
1,2,3,4,6,7,8-HpCDF	57		0.010	0.5700
1,2,3,4,7,8,9-HpCDF	ND	11	0.010	0
Total HpCDF	210			
OCDF	530		0.001	0.5300
Total TEQ Concentration				3.4000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	84	40 - 135
13C-1,2,3,6,7,8-HxCDD	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	86	40 - 135
13C-OCDD	78	40 - 135
13C-2,3,7,8-TCDF	94	40 - 135
13C-1,2,3,7,8-PeCDF	91	40 - 135
13C-1,2,3,4,7,8-HxCDF	103	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	115	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A BOTTOM

Lot-Sample #...: G8H260164 - 001
 Date Sampled...: 08/25/08
 Prep Date.....: 08/26/08
 Prep Batch #...: 8239560

Work Order #...: KVRND1AC
 Date Received..: 08/26/08
 Analysis Date...: 08/28/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.0	1.000	0
Total TCDD	ND	1.0		0
1,2,3,7,8-PeCDD	ND	1.1	0.500	0
Total PeCDD	ND	1.1		0
1,2,3,4,7,8-HxCDD	ND	0.79	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.64	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.59	0.100	0
Total HxCDD	ND	0.79		0
1,2,3,4,6,7,8-HpCDD	ND	8.4	0.010	0
Total HpCDD	ND	8.4		0
OCDD	73 J		0.001	0.0730
2,3,7,8-TCDF	ND	1.4	0.100	0
Total TCDF	ND	1.4		0
1,2,3,7,8-PeCDF	ND	0.64	0.050	0
2,3,4,7,8-PeCDF	ND	0.67	0.500	0
Total PeCDF	ND	0.91		0
1,2,3,4,7,8-HxCDF	ND	0.65	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.51	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.59	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.76	0.100	0
Total HxCDF	ND	2.9		0
1,2,3,4,6,7,8-HpCDF	ND	5.5	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.76	0.010	0
Total HpCDF	ND	20		0
OCDF	ND	44	0.001	0
Total TEQ Concentration				0.0730

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	92	40 - 135
13C-1,2,3,7,8-PeCDD	109	40 - 135
13C-1,2,3,6,7,8-HxCDD	95	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	114	40 - 135
13C-OCDD	131	40 - 135
13C-2,3,7,8-TCDF	110	40 - 135
13C-1,2,3,7,8-PeCDF	114	40 - 135
13C-1,2,3,4,7,8-HxCDF	84	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	101	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A EASTWALL

Lot-Sample #...: G8H260164 - 002
 Date Sampled...: 08/25/08
 Prep Date.....: 08/26/08
 Prep Batch #...: 8239560

Work Order #...: KVRNH1AC
 Date Received...: 08/26/08
 Analysis Date..: 08/28/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 19

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.1	1.000	0
Total TCDD	ND	1.1		0
1,2,3,7,8-PeCDD	ND	1.9	0.500	0
Total PeCDD	ND	1.9		0
1,2,3,4,7,8-HxCDD	ND	0.75	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.59	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.60	0.100	0
Total HxCDD	ND	1.0		0
1,2,3,4,6,7,8-HpCDD	ND	10	0.010	0
Total HpCDD	ND	10		0
OCDD	75 J		0.001	0.0750
2,3,7,8-TCDF	ND	1.7	0.100	0
Total TCDF	ND	1.7		0
1,2,3,7,8-PeCDF	ND	0.70	0.050	0
2,3,4,7,8-PeCDF	ND	0.73	0.500	0
Total PeCDF	ND	1.1		0
1,2,3,4,7,8-HxCDF	ND	0.78	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.62	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.70	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.90	0.100	0
Total HxCDF	ND	1.7		0
1,2,3,4,6,7,8-HpCDF	ND	4.6	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.57	0.010	0
Total HpCDF	ND	12		0
OCDF	ND	20	0.001	0
Total TEQ Concentration				0.0750

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	92	40 - 135
13C-1,2,3,7,8-PeCDD	104	40 - 135
13C-1,2,3,6,7,8-HxCDD	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	118	40 - 135
13C-OCDD	136 *	40 - 135
13C-2,3,7,8-TCDF	109	40 - 135
13C-1,2,3,7,8-PeCDF	109	40 - 135
13C-1,2,3,4,7,8-HxCDF	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	102	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

- * Surrogate recovery is outside stated control limits.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A WESTWALL #4

Lot-Sample #...:	G8H270180 - 003	Work Order #...:	KVV1Q1AC	Matrix....:	SOLID
Date Sampled...:	08/26/08	Date Received..:	08/27/08	Instrument:	4D5
Prep Date.....:	08/27/08	Analysis Date...:	08/28/08	Units.....:	pg/g
Prep Batch #...:	8240546	Dilution Factor:	1	% Moisture:	11

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	2.8	1.000	0
Total TCDD	ND	2.8		0
1,2,3,7,8-PeCDD	ND	8.0	0.500	0
Total PeCDD	ND	25		0
1,2,3,4,7,8-HxCDD	ND	4.7	0.100	0
1,2,3,6,7,8-HxCDD	ND	3.7	0.100	0
1,2,3,7,8,9-HxCDD	ND	3.7	0.100	0
Total HxCDD	ND	7.9		0
1,2,3,4,6,7,8-HpCDD	37	J	0.010	0.3700
Total HpCDD	37			
OCDD	220	B	0.001	0.2200
2,3,7,8-TCDF	ND	1.8	0.100	0
Total TCDF	ND	1.8		0
1,2,3,7,8-PeCDF	ND	2.5	0.050	0
2,3,4,7,8-PeCDF	ND	2.4	0.500	0
Total PeCDF	ND	2.5		0
1,2,3,4,7,8-HxCDF	ND	1.8	0.100	0
1,2,3,6,7,8-HxCDF	ND	1.5	0.100	0
2,3,4,6,7,8-HxCDF	ND	1.8	0.100	0
1,2,3,7,8,9-HxCDF	ND	2.1	0.100	0
Total HxCDF	ND	4.7		0
1,2,3,4,6,7,8-HpCDF	ND	9.1	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	11	0.010	0
Total HpCDF	ND	28		0
OCDF	ND	41	0.001	0
Total TEQ Concentration				0.5900

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	40 - 135
13C-1,2,3,7,8-PeCDD	71	40 - 135
13C-1,2,3,6,7,8-HxCDD	96	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	98	40 - 135
13C-OCDD	102	40 - 135
13C-2,3,7,8-TCDF	88	40 - 135
13C-1,2,3,7,8-PeCDF	76	40 - 135
13C-1,2,3,4,7,8-HxCDF	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A BOTTOM #2

Lot-Sample #...: G8H270180 - 004
 Date Sampled...: 08/26/08
 Prep Date.....: 08/27/08
 Prep Batch #...: 8240546

Work Order #...: KVVIT1AC
 Date Received..: 08/27/08
 Analysis Date..: 08/28/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	2.5	1.000	0
Total TCDD	ND	2.5		0
1,2,3,7,8-PeCDD	ND	5.1	0.500	0
Total PeCDD	ND	5.1		0
1,2,3,4,7,8-HxCDD	ND	4.4	0.100	0
1,2,3,6,7,8-HxCDD	ND	3.5	0.100	0
1,2,3,7,8,9-HxCDD	ND	3.5	0.100	0
Total HxCDD	ND	7.3		0
1,2,3,4,6,7,8-HpCDD	51	J	0.010	0.5100
Total HpCDD	82			
OCDD	390	B	0.001	0.3900
2,3,7,8-TCDF	ND	1.6	0.100	0
Total TCDF	ND	1.6		0
1,2,3,7,8-PeCDF	ND	2.1	0.050	0
2,3,4,7,8-PeCDF	ND	2.0	0.500	0
Total PeCDF	ND	2.4		0
1,2,3,4,7,8-HxCDF	ND	2.1	0.100	0
1,2,3,6,7,8-HxCDF	ND	1.8	0.100	0
2,3,4,6,7,8-HxCDF	ND	2.1	0.100	0
1,2,3,7,8,9-HxCDF	ND	2.4	0.100	0
Total HxCDF	ND	10		0
1,2,3,4,6,7,8-HpCDF	ND	19	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	4.7	0.010	0
Total HpCDF	58			
OCDF	140		0.001	0.1400
Total TEQ Concentration				1.0400

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	79	40 - 135
13C-1,2,3,7,8-PeCDD	70	40 - 135
13C-1,2,3,6,7,8-HxCDD	96	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	95	40 - 135
13C-OCDD	89	40 - 135
13C-2,3,7,8-TCDF	87	40 - 135
13C-1,2,3,7,8-PeCDF	75	40 - 135
13C-1,2,3,4,7,8-HxCDF	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/675/R-89/016

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
 J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A BOTTOM #1

Lot-Sample #...: G8H300181 - 001
 Date Sampled...: 08/29/08
 Prep Date.....: 09/02/08
 Prep Batch #...: 8246508

Work Order #...: KV4K61AC
 Date Received...: 08/30/08
 Analysis Date...: 09/04/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 13

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.50	1.000	0
Total TCDD	ND	0.50		0
1,2,3,7,8-PeCDD	ND	0.85	0.500	0
Total PeCDD	ND	0.85		0
1,2,3,4,7,8-HxCDD	ND	0.74	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.58	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.58	0.100	0
Total HxCDD	ND	0.74		0
1,2,3,4,6,7,8-HpCDD	ND	5.7	0.010	0
Total HpCDD	ND	5.7		0
OCDD	ND	42	0.001	0
2,3,7,8-TCDF	ND	0.45	0.100	0
Total TCDF	ND	0.45		0
1,2,3,7,8-PeCDF	ND	0.53	0.050	0
2,3,4,7,8-PeCDF	ND	0.51	0.500	0
Total PeCDF	ND	0.63		0
1,2,3,4,7,8-HxCDF	ND	0.38	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.31	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.35	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.42	0.100	0
Total HxCDF	ND	0.86		0
1,2,3,4,6,7,8-HpCDF	ND	2.2	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.0	0.010	0
Total HpCDF	ND	7.0		0
OCDF	ND	15	0.001	0
Total TEQ Concentration				0

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	40 - 135
13C-1,2,3,7,8-PeCDD	70	40 - 135
13C-1,2,3,6,7,8-HxCDD	98	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	91	40 - 135
13C-OCDD	85	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	65	40 - 135
13C-1,2,3,4,7,8-HxCDF	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/7-89/016

QC DATA ASSOCIATION SUMMARY

G8H300181

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8290		8246508	
	SOLID	ASTM D 2216-90		8248367	
002	SOLID	SW846 8290		8249235	
	SOLID	ASTM D 2216-90		8248367	
003	WATER	EPA-5 1613B		8247541	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H300181 Work Order #...: KV53J1AA Matrix.....: SOLID
 MB Lot-Sample #: G8I020000-508
 Analysis Date...: 09/04/08 Prep Date.....: 09/02/08
 Dilution Factor: 1 Prep Batch #...: 8246508

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.041	pg/g	SW846 8290
Total TCDD	ND	0.042	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.074	pg/g	SW846 8290
Total PeCDD	ND	0.074	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.059	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.047	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.047	pg/g	SW846 8290
Total HxCDD	ND	0.059	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.12	pg/g	SW846 8290
Total HpCDD	ND	0.27	pg/g	SW846 8290
OCDD	ND	1.4	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.031	pg/g	SW846 8290
Total TCDF	ND	0.031	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.042	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.041	pg/g	SW846 8290
Total PeCDF	ND	0.050	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.023	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.019	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.023	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.027	pg/g	SW846 8290
Total HxCDF	ND	0.027	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.049	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.059	pg/g	SW846 8290
Total HpCDF	ND	0.059	pg/g	SW846 8290
OCDF	ND	0.092	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	72	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	102	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	87	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	68	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H300181
 MB Lot-Sample #: G8I050000-235

Work Order #...: KWCLL1AA

Matrix.....: SOLID

Analysis Date...: 09/09/08

Prep Date.....: 09/04/08

Dilution Factor: 1

Prep Batch #...: 8249235

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.082	pg/g	SW846 8290
Total TCDD	ND	0.082	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.16	pg/g	SW846 8290
Total PeCDD	ND	0.16	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.11	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.093	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.091	pg/g	SW846 8290
Total HxCDD	ND	0.11	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.19	pg/g	SW846 8290
Total HpCDD	ND	0.19	pg/g	SW846 8290
OCDD	ND	1.8	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.16	pg/g	SW846 8290
Total TCDF	ND	0.16	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.080	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.082	pg/g	SW846 8290
Total PeCDF	ND	0.12	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.064	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.054	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.061	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.069	pg/g	SW846 8290
Total HxCDF	ND	0.069	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.091	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.066	pg/g	SW846 8290
Total HpCDF	ND	0.091	pg/g	SW846 8290
OCDF	ND	0.17	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	52	(40 - 135)
13C-1,2,3,7,8-PeCDD	48	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	52	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	62	(40 - 135)
13C-OCDD	62	(40 - 135)
13C-2,3,7,8-TCDF	52	(40 - 135)
13C-1,2,3,7,8-PeCDF	54	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	54	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	61	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H300181 Work Order #...: KV53J1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8I020000-508
 Prep Date.....: 09/02/08 Analysis Date...: 09/04/08
 Prep Batch #...: 8246508
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	102	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	95	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	87	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	96	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	90	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	(82 - 134)	SW846 8290
OCDD	103	(74 - 144)	SW846 8290
2,3,7,8-TCDF	96	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	99	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	95	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	99	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	100	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	105	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	102	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	102	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	99	(78 - 130)	SW846 8290
OCDF	95	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	72	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	102	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	67	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H300181 Work Order #...: KV53J1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8I020000-508
 Prep Date.....: 09/02/08 Analysis Date...: 09/04/08
 Prep Batch #...: 8246508
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	20.4	pg/g	102	SW846 8290
1,2,3,7,8-PeCDD	100	94.8	pg/g	95	SW846 8290
1,2,3,4,7,8-HxCDD	100	86.8	pg/g	87	SW846 8290
1,2,3,6,7,8-HxCDD	100	95.5	pg/g	96	SW846 8290
1,2,3,7,8,9-HxCDD	100	90.3	pg/g	90	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	100	pg/g	100	SW846 8290
OCDD	200	205	pg/g	103	SW846 8290
2,3,7,8-TCDF	20.0	19.2	pg/g	96	SW846 8290
1,2,3,7,8-PeCDF	100	98.8	pg/g	99	SW846 8290
2,3,4,7,8-PeCDF	100	94.6	pg/g	95	SW846 8290
1,2,3,4,7,8-HxCDF	100	99.1	pg/g	99	SW846 8290
1,2,3,6,7,8-HxCDF	100	100	pg/g	100	SW846 8290
2,3,4,6,7,8-HxCDF	100	105	pg/g	105	SW846 8290
1,2,3,7,8,9-HxCDF	100	102	pg/g	102	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	102	pg/g	102	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	99.1	pg/g	99	SW846 8290
OCDF	200	190	pg/g	95	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	72	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	102	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	67	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H300181 Work Order #...: KWCLL1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8I050000-235
 Prep Date.....: 09/04/08 Analysis Date...: 09/09/08
 Prep Batch #...: 8249235
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	106	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	115	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	115	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	110	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	118	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	109	(82 - 134)	SW846 8290
OCDD	112	(74 - 144)	SW846 8290
2,3,7,8-TCDF	103	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	104	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	106	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	107	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	101	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	111	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	117	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	104	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	111	(78 - 130)	SW846 8290
OCDF	114	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	76	(40 - 135)
13C-1,2,3,7,8-PeCDD	76	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	79	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
13C-OCDD	93	(40 - 135)
13C-2,3,7,8-TCDF	77	(40 - 135)
13C-1,2,3,7,8-PeCDF	82	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	83	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H300181 Work Order #...: KWCLL1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8I050000-235
 Prep Date.....: 09/04/08 Analysis Date...: 09/09/08
 Prep Batch #...: 8249235
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	21.3	pg/g	106	SW846 8290
1,2,3,7,8-PeCDD	100	115	pg/g	115	SW846 8290
1,2,3,4,7,8-HxCDD	100	115	pg/g	115	SW846 8290
1,2,3,6,7,8-HxCDD	100	110	pg/g	110	SW846 8290
1,2,3,7,8,9-HxCDD	100	118	pg/g	118	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	109	pg/g	109	SW846 8290
OCDD	200	223	pg/g	112	SW846 8290
2,3,7,8-TCDF	20.0	20.5	pg/g	103	SW846 8290
1,2,3,7,8-PeCDF	100	104	pg/g	104	SW846 8290
2,3,4,7,8-PeCDF	100	106	pg/g	106	SW846 8290
1,2,3,4,7,8-HxCDF	100	107	pg/g	107	SW846 8290
1,2,3,6,7,8-HxCDF	100	101	pg/g	101	SW846 8290
2,3,4,6,7,8-HxCDF	100	111	pg/g	111	SW846 8290
1,2,3,7,8,9-HxCDF	100	117	pg/g	117	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	104	pg/g	104	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	111	pg/g	111	SW846 8290
OCDF	200	227	pg/g	114	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	76	(40 - 135)
13C-1,2,3,7,8-PeCDD	76	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	79	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
13C-OCDD	93	(40 - 135)
13C-2,3,7,8-TCDF	77	(40 - 135)
13C-1,2,3,7,8-PeCDF	82	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	83	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A NORTHWALL #1

Lot-Sample #...:	G81030184 - 001	Work Order #...:	KV6581AC	Matrix....:	SOLID
Date Sampled...:	09/02/08	Date Received..:	09/03/08	Instrument:	9D5
Prep Date.....:	09/03/08	Analysis Date..:	09/08/08	Units.....:	pg/g
Prep Batch #...:	8247537	Dilution Factor:	1	% Moisture:	25

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	2.5	1.000	0
Total TCDD	ND	2.5		0
1,2,3,7,8-PeCDD	ND	4.0	0.500	0
Total PeCDD	ND	4.0		0
1,2,3,4,7,8-HxCDD	ND	1.8	0.100	0
1,2,3,6,7,8-HxCDD	ND	1.9	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.6	0.100	0
Total HxCDD	ND	1.9		0
1,2,3,4,6,7,8-HpCDD	ND	19	0.010	0
Total HpCDD	ND	19		0
OCDD	140		0.001	0.1400
2,3,7,8-TCDF	ND	1.6	0.100	0
Total TCDF	ND	1.6		0
1,2,3,7,8-PeCDF	ND	1.4	0.050	0
2,3,4,7,8-PeCDF	ND	1.4	0.500	0
Total PeCDF	ND	3.6		0
1,2,3,4,7,8-HxCDF	ND	0.94	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.79	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.90	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.2	0.100	0
Total HxCDF	ND	2.2		0
1,2,3,4,6,7,8-HpCDF	ND	6.2	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.1	0.010	0
Total HpCDF	ND	13		0
OCDF	ND	25	0.001	0
Total TEQ Concentration				0.1400

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	40 - 135
13C-1,2,3,7,8-PeCDD	79	40 - 135
13C-1,2,3,6,7,8-HxCDD	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	99	40 - 135
13C-OCDD	100	40 - 135
13C-2,3,7,8-TCDF	84	40 - 135
13C-1,2,3,7,8-PeCDF	86	40 - 135
13C-1,2,3,4,7,8-HxCDF	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-A NORTHWALL #2

Lot-Sample #...:	G8I030184 - 002	Work Order #...:	KV66A1AC	Matrix....:	SOLID
Date Sampled...:	09/02/08	Date Received..:	09/03/08	Instrument:	9D5
Prep Date.....:	09/03/08	Analysis Date...:	09/08/08	Units.....:	pg/g
Prep Batch #...:	8247537	Dilution Factor:	1	% Moisture:	11

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	2.7	1.000	0
Total TCDD	ND	2.7		0
1,2,3,7,8-PeCDD	ND	4.9	0.500	0
Total PeCDD	ND	4.9		0
1,2,3,4,7,8-HxCDD	ND	2.4	0.100	0
1,2,3,6,7,8-HxCDD	ND	2.1	0.100	0
1,2,3,7,8,9-HxCDD	ND	2.0	0.100	0
Total HxCDD	ND	3.1		0
1,2,3,4,6,7,8-HpCDD	53	J	0.010	0.5300
Total HpCDD	84			
OCDD	330		0.001	0.3300
2,3,7,8-TCDF	ND	6.0	0.100	0
Total TCDF	ND	6.0		0
1,2,3,7,8-PeCDF	ND	1.8	0.050	0
2,3,4,7,8-PeCDF	ND	1.8	0.500	0
Total PeCDF	ND	3.7		0
1,2,3,4,7,8-HxCDF	ND	1.7	0.100	0
1,2,3,6,7,8-HxCDF	ND	1.4	0.100	0
2,3,4,6,7,8-HxCDF	ND	1.6	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.8	0.100	0
Total HxCDF	ND	8.9		0
1,2,3,4,6,7,8-HpCDF	ND	24	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.4	0.010	0
Total HpCDF	34			
OCDF	61	J	0.001	0.0610
Total TEQ Concentration				0.9210

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	54	40 - 135
13C-1,2,3,7,8-PeCDD	50	40 - 135
13C-1,2,3,6,7,8-HxCDD	54	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	65	40 - 135
13C-OCDD	67	40 - 135
13C-2,3,7,8-TCDF	54	40 - 135
13C-1,2,3,7,8-PeCDF	57	40 - 135
13C-1,2,3,4,7,8-HxCDF	58	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	62	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC A

Post Excavation Sampling

Compounds	Remediation Goals	AOC-A East Wall#1	AOC-A East Wall	AOC-A East Wall #3	AOC-A East Wall #4	AOC-A South Wall #1	AOC-A West Wall #1	AOC-A West Wall #2	AOC-A West Wall #3	AOC-A West Wall #4	AOC A Bottom	AOC A Bottom #1	AOC A Bottom #2	AOC A Bottom #4	AOC A Bottom #5	AOC A North Wall#1	AOC A North Wall#2	AOC-A East Wall#1	AOC-A West Wall #2	AOC-A West Wall #3	AOC A Bottom #4	AOC A Bottom #5
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	ND	ND	ND	0.18	ND	ND	10	0.39	ND	ND	ND	ND	0.92	11	ND	ND	NS	12	NS	0.16	1.6
arsenic	13 ppm	13.8	6.4	9.9	8.5	7.4	4	9.7	13.3	9.6	12.5	10.4	11	9.5	11.8	9.6	6.4	8.5	NS	NS	NS	NS
chromium	30 ppm	23.2	17.2	19.7	19.5	15.9	8.9	19.6	15.4	21.8	23.2	18.2	23.7	19	20.1	21.8	16.9	NS	NS	NS	NS	NS
copper	50 ppm	20.6	8.5	16	15.7	13.9	5.8	17	14.7	19.6	15.7	15.4	16.4	12.7	14.8	17.2	9.3	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	0.000284	0.000075	0.0056	0	0.016	0.052	0.17	1.23	0.00059	0.000073	0	0.00104	0.0034	0.026	0.00014	0.00092	NS	NS		NS	NS

ND = Non-Detect
 Bold and Yellow= Exceedance

- Please note, there is no sample called AOC-A East Wall #2 or AOC-A Bottom#3

NS= Not Sampled
 Red/Bold= 2nd exceedance

ANALYTICAL REPORT

Job Number: 220-6640-1

SDG Number: 220-6640

Job Description: Camp Georgetown / Post Remediation

For:

OP-TECH Environmental
6392 Deere Road
Syracuse, NY 13206

Attention: Mr. Tom Rengert



Designee for
Erin A Gaus
Project Manager I
erin.gaus@testamericainc.com
09/25/2008

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



METHOD SUMMARY

Client: OP-TECH Environmental

Job Number: 220-6640-1

Sdg Number: 220-6640

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
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.

SAMPLE SUMMARY

Client: OP-TECH Environmental

Job Number: 220-6640-1

Sdg Number: 220-6640

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-6640-1	AOC-A westwall#2/field order#18	Solid	09/22/2008 1039	09/23/2008 0945
220-6640-2	AOC-A bottom#4/field order#18	Solid	09/22/2008 1015	09/23/2008 0945
220-6640-3	AOC-A bottom#5/field order#18	Solid	09/22/2008 1400	09/23/2008 0945

Mr. Tom Rengert
OP-TECH Environmental
6392 Deere Road
Syracuse, NY 13206

Job Number: 220-6640-1
Lab Sample Id: 220-6640-1
Client Matrix: Solid
Date Sampled: 09/22/2008 1039
Date Received: 09/23/2008 0945
% Moisture: 11.9

Client Sample ID: AOC-A westwall#2/field order#18

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	12000	ug/Kg	150	8270C	09/23/2008 1621	09/25/2008 1224	4.0
GENERAL CHEMISTRY							
Percent Moisture	11.9	%	0.100	PercentMoisture		09/23/2008 1650	1.0
Percent Solids	88.1	%	0.100	PercentMoisture		09/23/2008 1650	1.0

Mr. Tom Rengert
 OP-TECH Environmental
 6392 Deere Road
 Syracuse, NY 13206

Job Number: 220-6640-1
 Lab Sample Id: 220-6640-2
 Client Matrix: Solid
 Date Sampled: 09/22/2008 1015
 Date Received: 09/23/2008 0945
 % Moisture: 13.2

Client Sample ID: AOC-A bottom#4/field order#18

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	160 J	ug/Kg	38	8270C	09/23/2008 1621	09/24/2008 1713	1.0
GENERAL CHEMISTRY							
Percent Moisture	13.2	%	0.100	PercentMoisture		09/23/2008 1650	1.0
Percent Solids	86.8	%	0.100	PercentMoisture		09/23/2008 1650	1.0

Mr. Tom Rengert
 OP-TECH Environmental
 6392 Deere Road
 Syracuse, NY 13206

Job Number: 220-6640-1
 Lab Sample Id: 220-6640-3
 Client Matrix: Solid
 Date Sampled: 09/22/2008 1400
 Date Received: 09/23/2008 0945
 % Moisture: 9.0

Client Sample ID: AOC-A bottom#5/field order#18

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	1600 J	ug/Kg	36	8270C	09/23/2008 1621	09/24/2008 1739	1.0
GENERAL CHEMISTRY							
Percent Moisture	8.97	%	0.100	PercentMoisture		09/23/2008 1650	1.0
Percent Solids	91.0	%	0.100	PercentMoisture		09/23/2008 1650	1.0

DATA REPORTING QUALIFIERS

Client: OP-TECH Environmental

Job Number: 220-6640-1

Sdg Number: 220-6640

Lab Section	Qualifier	Description
GC/MS Semi VOA	J	Indicates an estimated value.

ANALYTICAL REPORT

Job#: A08-B614

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Georgetown - Level IV

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

TestAmerica Laboratories Inc.

Richard J. Lafond
Project Manager

09/26/2008

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8B61401	AOC-A EASTWALL#1	SOIL	09/22/2008	10:30	09/23/2008	09:15

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-B614

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Arsenic - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SDG NARRATIVE

Job#: A08-B614

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-B614

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Richard J. Lafond
Project Manager

Date

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: AOC-A EASTWALL#1
Lab Sample ID: A8B61401
Date Collected: 09/22/2008
Time Collected: 10:30

Date Received: 09/23/2008
Project No: NY5A9454
Client No: 135066
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time	
						Analyzed	Analyst
Metals Analysis							
Arsenic - Total	8.5		2.4	MG/KG	6010	09/24/2008	23:49

AOC A

Post Excavation Sampling

Compounds	Remediation Goals	AOC-A East Wall#1	AOC-A East Wall	AOC-A East Wall #3	AOC-A East Wall #4	AOC-A South Wall #1	AOC-A West Wall #1	AOC-A West Wall #2	AOC-A West Wall #3	AOC-A West Wall #4	AOC A Bottom	AOC A Bottom #1	AOC A Bottom #2	AOC A Bottom #4	AOC A Bottom #5	AOC A North Wall#1	AOC A North Wall#2	AOC-A East Wall#1	AOC-A West Wall #2	AOC-A West Wall #3	AOC A Bottom #4	AOC A Bottom #5	AOC A Bottom #5	AOC-A West Wall #2
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	ND	ND	ND	0.18	ND	ND	10	0.39	ND	ND	ND	ND	0.92	11	ND	ND	NS	12	NS	0.16	1.6	0.037	3.4
arsenic	13 ppm	13.8	6.4	9.9	8.5	7.4	4	9.7	13.3	9.6	12.5	10.4	11	9.5	11.8	9.6	6.4	8.5	NS	NS	NS	NS	NS	NS
chromium	30 ppm	23.2	17.2	19.7	19.5	15.9	8.9	19.6	15.4	21.8	23.2	18.2	23.7	19	20.1	21.8	16.9	NS	NS	NS	NS	NS	NS	NS
copper	50 ppm	20.6	8.5	16	15.7	13.9	5.8	17	14.7	19.6	15.7	15.4	16.4	12.7	14.8	17.2	9.3	NS	NS	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	0.000284	0.000075	0.0056	0	0.016	0.052	0.17	1.23	0.00059	0.000073	0	0.00104	0.0034	0.026	0.00014	0.00092	NS	NS	0.0068	NS	NS	NS	NS

ND = Non-Detect
 Bold and Yellow=
 Exceedance

NS= Not Sampled

- Please note, there is no sample called AOC-A East Wall #2 or AOC-A Bottom#3

Red/Bold= 2nd exceedance Blue = Field Order 28 Exceedance

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6747-1

Sdg Number: 220-6747

Client Sample ID: AOC-A/Field order#28/bottom#5

Lab Sample ID: 220-6747-1

Date Sampled: 09/30/2008 1350

Client Matrix: Solid

% Moisture: 9.5

Date Received: 10/01/2008 1000

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

Method: 8270C

Analysis Batch: 220-20567

Instrument ID: HP 6890/5973 GC/MS

Preparation: 3541

Prep Batch: 220-20541

Lab File ID: Z7645.D

Dilution: 1.0

Initial Weight/Volume: 15.02 g

Date Analyzed: 10/01/2008 2029

Final Weight/Volume: 1.0 mL

Date Prepared: 10/01/2008 1106

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		37	U	37	1900
Surrogate		%Rec			Acceptance Limits
2-Fluorophenol		52			25 - 113
Terphenyl-d14		68			35 - 140
Phenol-d5		51			27 - 122
Nitrobenzene-d5		54			25 - 120
2-Fluorobiphenyl		56			32 - 131
2,4,6-Tribromophenol		58			24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6747-1

Sdg Number: 220-6747

Client Sample ID: AOC-A/Field order#28/westwall#2

Lab Sample ID: 220-6747-2

Date Sampled: 09/30/2008 1500

Client Matrix: Solid

% Moisture: 11.1

Date Received: 10/01/2008 1000

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

Method: 8270C

Analysis Batch: 220-20567

Instrument ID: HP 6890/5973 GC/MS

Preparation: 3541

Prep Batch: 220-20541

Lab File ID: Z7646.D

Dilution: 1.0

Initial Weight/Volume: 15.01 g

Date Analyzed: 10/01/2008 2054

Final Weight/Volume: 1.0 mL

Date Prepared: 10/01/2008 1106

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		3400		37	1900

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	63	25 - 113
Terphenyl-d14	76	35 - 140
Phenol-d5	64	27 - 122
Nitrobenzene-d5	66	25 - 120
2-Fluorobiphenyl	71	32 - 131
2,4,6-Tribromophenol	76	24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6747-1

Sdg Number: 220-6747

General Chemistry

Client Sample ID: AOC-A/Field order#28/bottom#5

Lab Sample ID: 220-6747-1

Date Sampled: 09/30/2008 1350

Client Matrix: Solid

Date Received: 10/01/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.54		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20569		Date Analyzed	10/01/2008 1531			
Percent Solids	90.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20569		Date Analyzed	10/01/2008 1531			

Client Sample ID: AOC-A/Field order#28/westwall#2

Lab Sample ID: 220-6747-2

Date Sampled: 09/30/2008 1500

Client Matrix: Solid

Date Received: 10/01/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.1		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20569		Date Analyzed	10/01/2008 1531			
Percent Solids	88.9		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20569		Date Analyzed	10/01/2008 1531			

AOC A

Post Excavation Sampling

Compounds	Remediation Goals	AOC-A East Wall#1	AOC-A East Wall	AOC-A East Wall #3	AOC-A East Wall #4	AOC-A South Wall #1	AOC-A West Wall #1	AOC-A West Wall #2	AOC-A West Wall #3	AOC-A West Wall #4	AOC A Bottom	AOC A Bottom #1	AOC A Bottom #2	AOC A Bottom #4	AOC A Bottom #5	AOC A North Wall#1	AOC A North Wall#2	AOC-A East Wall#1	AOC-A West Wall #2	AOC-A West Wall #3	AOC A Bottom #4	AOC A Bottom #5	AOC A Bottom #5	AOC-A West Wall #2	AOC-A West Wall #2 FO#33
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	ND	ND	ND	0.18	ND	ND	10	0.39	ND	ND	ND	ND	0.92	11	ND	ND	NS	12	NS	0.16	1.6	0.037	3.4	4.4
arsenic	13 ppm	13.8	6.4	9.9	8.5	7.4	4	9.7	13.3	9.6	12.5	10.4	11	9.5	11.8	9.6	6.4	8.5	NS	NS	NS	NS	NS	NS	NS
chromium	30 ppm	23.2	17.2	19.7	19.5	15.9	8.9	19.6	15.4	21.8	23.2	18.2	23.7	19	20.1	21.8	16.9	NS	NS	NS	NS	NS	NS	NS	NS
copper	50 ppm	20.6	8.5	16	15.7	13.9	5.8	17	14.7	19.6	15.7	15.4	16.4	12.7	14.8	17.2	9.3	NS	NS	NS	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	0.000284	0.000075	0.0056	0	0.016	0.052	0.17	1.23	0.00059	0.000073	0	0.00104	0.0034	0.026	0.00014	0.00092	NS	NS	0.0068	NS	NS	NS	NS	NS

ND = Non-Detect
 Bold and Yellow=
 Exceedance

- Please note, there is no sample called AOC-A East Wall #2 or AOC-A Bottom#3

NS= Not Sampled

Red/Bold= 2nd exceedance

Blue = Field Order 28 Exceedance

Orange = Field Order 33 Exceedance

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6810-1

Sdg Number: 220-6810

Client Sample ID: AOC-A/Field order#33/westwall#2

Lab Sample ID: 220-6810-1

Date Sampled: 10/03/2008 1500

Client Matrix: Solid

% Moisture: 10.5

Date Received: 10/04/2008 1022

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

Method: 8270C

Analysis Batch: 220-20756

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20668

Lab File ID: A1924.D

Dilution: 1.0

Initial Weight/Volume: 15.00 g

Date Analyzed: 10/07/2008 1444

Final Weight/Volume: 1.0 mL

Date Prepared: 10/06/2008 0947

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		4400		37	1900
Surrogate		%Rec			Acceptance Limits
2-Fluorophenol		70			25 - 113
Terphenyl-d14		84			35 - 140
Phenol-d5		71			27 - 122
Nitrobenzene-d5		68			25 - 120
2-Fluorobiphenyl		69			32 - 131
2,4,6-Tribromophenol		70			24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6810-1

Sdg Number: 220-6810

General Chemistry

Client Sample ID: AOC-A/Field order#33/westwall#2

Lab Sample ID: 220-6810-1

Date Sampled: 10/03/2008 1500

Client Matrix: Solid

Date Received: 10/04/2008 1022

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20706		Date Analyzed	10/06/2008	1620		
Percent Solids	89.5		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20706		Date Analyzed	10/06/2008	1620		

AOC A

Post Excavation Sampling

Compounds	Remediation Goals	AOC-A East Wall#1	AOC-A East Wall	AOC-A East Wall #3	AOC-A East Wall #4	AOC-A South Wall #1	AOC-A West Wall #1	AOC-A West Wall #2	AOC-A West Wall #3	AOC-A West Wall #4	AOC A Bottom	AOC A Bottom #1	AOC A Bottom #2	AOC A Bottom #4	AOC A Bottom #5	AOC A North Wall#1	AOC A North Wall#2	AOC-A East Wall#1	AOC-A West Wall #2	AOC-A West Wall #3	AOC A Bottom #4	AOC A Bottom #5	AOC A Bottom #5	AOC-A West Wall #2	AOC-A West Wall #2 FO#33	AOC-A West Wall #2 FO#37
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	ND	ND	ND	0.18	ND	ND	10	0.39	ND	ND	ND	ND	0.92	11	ND	ND	NS	12	NS	0.16	16	0.037	3.4	4.4	0.73
arsenic	13 ppm	13.8	6.4	9.9	8.5	7.4	4	9.7	13.3	9.6	12.5	10.4	11	9.5	11.8	9.6	6.4	8.5	NS	NS	NS	NS	NS	NS	NS	NS
chromium	30 ppm	23.2	17.2	19.7	19.5	15.9	8.9	19.6	15.4	21.8	23.2	18.2	23.7	19	20.1	21.8	16.9	NS	NS	NS	NS	NS	NS	NS	NS	NS
copper	50 ppm	20.6	8.5	16	15.7	13.9	5.8	17	14.7	19.6	15.7	15.4	16.4	12.7	14.8	17.2	9.3	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	0.000284	0.000075	0.0056	0	0.016	0.082	0.17	1.23	0.00059	0.000073	0	0.00104	0.0034	0.026	0.00014	0.00092	NS	NS	0.0068	NS	NS	NS	NS	NS	NS

ND = Non-Detect
 Bold and Yellow= Exceedance
 - Please note, there is no sample called AOC-A East Wall #2 or AOC-A Bottom#3

NS= Not Sampled
 Red/Bold= 2nd exceedance
 Blue = Field Order 28 Exceedance
 Orange = Field Order 33 Exceedance

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6877-1

Sdg Number: 220-6877

Client Sample ID: AOC-A/FIELDORDER(XXX) TEST PIT WESTWALL#2

Lab Sample ID: 220-6877-1

Date Sampled: 10/10/2008 0000

Client Matrix: Solid

% Moisture: 10.7

Date Received: 10/11/2008 1040

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

Method: 8270C

Analysis Batch: 220-21002

Instrument ID: HP 6890/5973 GC/MS

Preparation: 3541

Prep Batch: 220-20925

Lab File ID: Z7852.D

Dilution: 1.0

Initial Weight/Volume: 15.29 g

Date Analyzed: 10/14/2008 1456

Final Weight/Volume: 1.0 mL

Date Prepared: 10/13/2008 0851

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		730	J	36	1900

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	70	25 - 113
Terphenyl-d14	87	35 - 140
Phenol-d5	69	27 - 122
Nitrobenzene-d5	73	25 - 120
2-Fluorobiphenyl	75	32 - 131
2,4,6-Tribromophenol	78	24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6877-1

Sdg Number: 220-6877

General Chemistry

Client Sample ID: AOC-A/FIELDORDER(XXX) TEST PIT WESTWALL#2

Lab Sample ID: 220-6877-1

Date Sampled: 10/10/2008 0000

Client Matrix: Solid

Date Received: 10/11/2008 1040

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.7		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			
Percent Solids	89.3		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			

Client Sample ID: AOC-C/TEST PIT#36FIELD ORDER#36 (BOTTOM #1)

Lab Sample ID: 220-6877-2

Date Sampled: 10/10/2008 0000

Client Matrix: Solid

Date Received: 10/11/2008 1040

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			
Percent Solids	89.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			

Client Sample ID: AOC-C/TEST PIT#36FIELD ORDER#36 (BOTTOM #2)

Lab Sample ID: 220-6877-3

Date Sampled: 10/10/2008 0000

Client Matrix: Solid

Date Received: 10/11/2008 1040

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			
Percent Solids	89.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 4989 Crumb Hill Road
 Georgetown, NY

AOC-C

Post Excavation Sampling

Compounds	Remediation Goals	AOC-C Bottom	AOC-C East Wall	AOC-C North Wall	AOC-C South Wall	AOC-C West Wall	AOC-C North Wall-Field Order#7	AOC-C East Wall-Field Order#7	AOC-C Bottom -Field Order#7	AOC-C South Wall -Field Order#7	AOC-C Field Order#14 Botom	AOC-C Field Order#14 Bottom	AOC-C Field Order#32 Botom1	AOC-C Field Order#32 Bottom2	AOC-C Field Order#36 Botom1	AOC-C Field Order#36 Bottom2
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	NA	NA	NA	NA	8	NA	NA	NA	NA	NA
bis (2-ethylhexyl) phthalate	50 ppm	.060 ppm	0.09	0.07	ND	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
pentachlorophenol	0.8 ppm	0.1 ppm	4.5 ppm	6.4 ppm	0.34 ppm	ND	6.6	0.41	NA	NA	12	4.3	3.3	9.8	2	ND
arsenic	13 ppm	18.9 ppm	20.3 ppm	19.3 ppm	37.2 ppm	13.2 ppm	11.3	8.7	8.6	8.4	13.7	9.8	NA	NA	NA	NA
chromium	30 ppm	27.1 ppm	24.9 ppm	20.1 ppm	21 ppm	18.2 ppm	NA	NA	NA	NA	24.7	NA	NA	NA	NA	NA
copper	50 ppm	15.7 ppm	15.8 ppm	16.7 ppm	29.3 ppm	15 ppm	NA	NA	NA	NA	17.7	NA	NA	NA	NA	NA
2,3,7,8-TCDD TEQ	1 ppb	0.27 ppb	5.6 ppb	2.3ppb	0.22 ppb	0.032 ppb	3.28	0.051	NA	NA	0.951	NA	NA	NA	NA	NA

ND = Non-Detect
 Bold and Yellow=
 Exceedance

NA=Not Analyzed Per Field
 Order

Red= 2nd time exceedance

Blue= Field Order 14 Exceedance

Green=Field Order 21 exceedance

Orange=Field Order 32 exceedance

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 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC B

Post Excavation Sampling
 TOTAL SAMPLES =

19

Compounds	Remediation Goals	AOC-B#1 East Wall	AOC-B#2 East Wall	AOC-B Bottom #1	AOC-B Bottom #2	AOC-B Bottom #3	AOC-B North Wall #1	AOC-B North Wall #2	AOC-B South Wall #1	AOC-B South Wall #2	AOC-B West Wall #1	AOC-B West Wall #2	AOC-B#2 East Wall	AOC-B Bottom #1	AOC-B Bottom #3	AOC-B South Wall #1	AOC-B South Wall #2 Field Order#27	AOC-B West Wall #1	AOC-B North Wall #1	AOC-B Bottom #3 Field Order #27
benzo (a) anthracene	1 ppm	ND	0.014	0.007	ND	ND	ND	ND	ND	0.016	0.008	ND	NS	NS	NS	NS	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	0.099	0.1	0.084	ND	0.12	0.082	0.084	0.097	0.11	0.081	NS	NS	NS	NS	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	0.59	3.6	0.96	0.44	1.2	0.28	0.31	1.1	7.1	0.95	0.26	1	ND	2.8	3.6	0.3	0.64	NS	0.072
arsenic	13 ppm	7.8	8.8	13.1	7.6	10.5	17.7	8.6	10.8	9.7	10.4	11.5	NS	NS	NS	NS	NS	NS	9.3	NS
chromium	30 ppm	16.8	15.9	24.9	17.5	18.6	18.6	16.3	23.2	18.2	20.4	20.9	NS	NS	NS	NS	NS	NS	NS	NS
copper	50 ppm	14.7	12.6	18.7	14.1	14.2	15.3	13.8	19	14.9	14.8	14.1	NS	NS	NS	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	0.039	0.43	0.047	0.0074	0.0033	0.23	0.0031	0.012	0.031	0.107	0.161	NS	NS	NS	NS	NS	NS	NS	NS

ND = Non-Detect
 Bold and Yellow= Exceedance
 Red and Bold = 2nd time exceedance
 NS=Not Sampled

OP-TECH Environmental Services
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 Georgetown, NY

AOC B

Post Excavation Sampling

Compounds	Remediation Goals	AOC-B#1 East Wall	AOC-B#2 East Wall	AOC-B Bottom #1	AOC-B Bottom #2	AOC-B Bottom #3	AOC-B North Wall #1	AOC-B North Wall #2	AOC-B South Wall #1	AOC-B South Wall #2	AOC-B West Wall #1	AOC-B West Wall #2
benzo (a) anthracene	1 ppm	ND	0.014	0.007	ND	ND	ND	ND	ND	0.016	0.008	ND
bis (2-ethylhexyl) phthalate	50 ppm	ND	0.099	0.1	0.084	ND	0.12	0.082	0.084	0.097	0.11	0.081
pentachlorophenol	0.8 ppm	0.59	3.6	0.96	0.44	1.2	0.28	0.31	1.1	7.1	0.95	0.26
arsenic	13 ppm	7.8	8.8	13.1	7.6	10.5	17.7	8.6	10.8	9.7	10.4	11.5
chromium	30 ppm	16.8	15.9	24.9	17.5	18.6	18.6	16.3	23.2	18.2	20.4	20.9
copper	50 ppm	14.7	12.6	18.7	14.1	14.2	15.3	13.8	19	14.9	14.8	14.1
2,3,7,8-TCDD TEQ	1 ppb	0.039	0.43	0.047	0.0074	0.0033	0.23	0.0031	0.012	0.031	0.107	0.161

ND = Non-Detect
 Bold and Yellow=
 Exceedance

ANALYTICAL REPORT

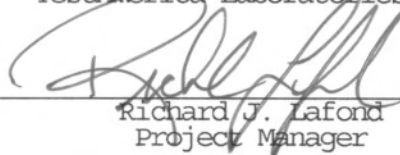
Job#: A08-A029

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



Richard J. Lafond
Project Manager

08/22/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A02907	AOC-B BOTTOM#1	SOIL	08/15/2008	11:30	08/16/2008	09:00
A8A02908	AOC-B BOTTOM#2	SOIL	08/15/2008	12:00	08/16/2008	09:00
A8A02909	AOC-B BOTTOM#3	SOIL	08/15/2008	12:53	08/16/2008	09:00
A8A02901	AOC-B NORTHWALL#1	SOIL	08/15/2008	15:20	08/16/2008	09:00
A8A02902	AOC-B NORTHWALL#2	SOIL	08/15/2008	14:29	08/16/2008	09:00
A8A02903	AOC-B SOUTHWALL#1	SOIL	08/15/2008	16:26	08/16/2008	09:00
A8A02904	AOC-B SOUTHWALL#2	SOIL	08/15/2008	16:00	08/16/2008	09:00
A8A02905	AOC-B WESTWALL#1	SOIL	08/15/2008	15:00	08/16/2008	09:00
A8A02906	AOC-B WESTWALL#2	SOIL	08/15/2008	15:20	08/16/2008	09:00

METHODS SUMMARY

Job#: A08-A029Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-A029Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A029

Sample Cooler(s) were received at the following temperature(s); 3.6 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
A0C-B SOUTHWALL#2 DL	A8A02904DL	8270	4.00	012

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: AOC-B BOTTOM#1

Lab Sample ID: A8A02907

Date Collected: 08/15/2008

Time Collected: 11:30

Date Received: 08/16/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	7	J	180		UG/KG	8270	08/21/2008	14:17	MD
Bis(2-ethylhexyl) phthalate	100	BJ	180		UG/KG	8270	08/21/2008	14:17	MD
Pentachlorophenol	960		350		UG/KG	8270	08/21/2008	14:17	MD
Metals Analysis									
Arsenic - Total	13.1		2.1		MG/KG	6010	08/20/2008	02:37	TWS
Chromium - Total	24.9		0.52		MG/KG	6010	08/20/2008	02:37	TWS
Copper - Total	18.7		1.0		MG/KG	6010	08/20/2008	02:37	TWS

Sample ID: AOC-B BOTTOM#2

Lab Sample ID: A8A02908

Date Collected: 08/15/2008

Time Collected: 12:00

Date Received: 08/16/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		190		UG/KG	8270	08/21/2008	14:40	MD
Bis(2-ethylhexyl) phthalate	84	BJ	190		UG/KG	8270	08/21/2008	14:40	MD
Pentachlorophenol	440		370		UG/KG	8270	08/21/2008	14:40	MD
Metals Analysis									
Arsenic - Total	7.6		2.2		MG/KG	6010	08/20/2008	02:43	TWS
Chromium - Total	17.5		0.56		MG/KG	6010	08/20/2008	02:43	TWS
Copper - Total	14.1		1.1		MG/KG	6010	08/20/2008	02:43	TWS

Sample ID: AOC-B BOTTOM#3

Lab Sample ID: A8A02909

Date Collected: 08/15/2008

Time Collected: 12:53

Date Received: 08/16/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/21/2008	15:03	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/21/2008	15:03	MD
Pentachlorophenol	1200		360	UG/KG	8270	08/21/2008	15:03	MD
Metals Analysis								
Arsenic - Total	10.5		2.3	MG/KG	6010	08/20/2008	02:48	TWS
Chromium - Total	18.6		0.58	MG/KG	6010	08/20/2008	02:48	TWS
Copper - Total	14.2		1.2	MG/KG	6010	08/20/2008	02:48	TWS

Sample ID: AOC-B NORTHWALL#1

Lab Sample ID: A8A02901

Date Collected: 08/15/2008

Time Collected: 15:20

Date Received: 08/16/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		190		UG/KG	8270	08/20/2008	20:10	MD
Bis(2-ethylhexyl) phthalate	120	BJ	190		UG/KG	8270	08/20/2008	20:10	MD
Pentachlorophenol	280	J	370		UG/KG	8270	08/20/2008	20:10	MD
Metals Analysis									
Arsenic - Total	17.7		2.3		MG/KG	6010	08/20/2008	01:34	TWS
Chromium - Total	18.6		0.58		MG/KG	6010	08/20/2008	01:34	TWS
Copper - Total	15.3		1.2		MG/KG	6010	08/20/2008	01:34	TWS

Sample ID: AOC-B NORTHWALL#2

Lab Sample ID: A8A02902

Date Collected: 08/15/2008

Time Collected: 14:29

Date Received: 08/16/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		190		UG/KG	8270	08/21/2008	12:21	MD
Bis(2-ethylhexyl) phthalate	82	BJ	190		UG/KG	8270	08/21/2008	12:21	MD
Pentachlorophenol	310	J	360		UG/KG	8270	08/21/2008	12:21	MD
Metals Analysis									
Arsenic - Total	8.6		2.5		MG/KG	6010	08/20/2008	01:59	TWS
Chromium - Total	16.3		0.63		MG/KG	6010	08/20/2008	01:59	TWS
Copper - Total	13.8		1.2		MG/KG	6010	08/20/2008	01:59	TWS

Sample ID: AOC-B SOUTHWALL#1

Lab Sample ID: A8A02903

Date Collected: 08/15/2008

Time Collected: 16:26

Date Received: 08/16/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/21/2008	12:44	MD
Bis(2-ethylhexyl) phthalate	84	BJ	190	UG/KG	8270	08/21/2008	12:44	MD
Pentachlorophenol	1100		370	UG/KG	8270	08/21/2008	12:44	MD
Metals Analysis								
Arsenic - Total	10.8		2.4	MG/KG	6010	08/20/2008	02:04	TWS
Chromium - Total	23.2		0.61	MG/KG	6010	08/20/2008	02:04	TWS
Copper - Total	19.0		1.2	MG/KG	6010	08/20/2008	02:04	TWS

Sample ID: AOC-B SOUTHWALL#2

Lab Sample ID: A8A02904

Date Collected: 08/15/2008

Time Collected: 16:00

Date Received: 08/16/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	16	J	180		UG/KG	8270	08/21/2008	13:07	MD
Bis(2-ethylhexyl) phthalate	97	BJ	180		UG/KG	8270	08/21/2008	13:07	MD
Pentachlorophenol	8900	E	360		UG/KG	8270	08/21/2008	13:07	MD
Metals Analysis									
Arsenic - Total	9.7		2.4		MG/KG	6010	08/20/2008	02:09	TWS
Chromium - Total	18.2		0.61		MG/KG	6010	08/20/2008	02:09	TWS
Copper - Total	14.9		1.2		MG/KG	6010	08/20/2008	02:09	TWS

Sample ID: AOC-B SOUTHWALL#2 DL

Lab Sample ID: A8A02904DL

Date Collected: 08/15/2008

Time Collected: 16:00

Date Received: 08/16/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		730	UG/KG	8270	08/21/2008	23:10	MD
Bis(2-ethylhexyl) phthalate	ND		730	UG/KG	8270	08/21/2008	23:10	MD
Pentachlorophenol	7100	D	1400	UG/KG	8270	08/21/2008	23:10	MD

Sample ID: AOC-B WESTWALL#1

Lab Sample ID: A8A02905

Date Collected: 08/15/2008

Time Collected: 15:00

Date Received: 08/16/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	8	J	190		UG/KG	8270	08/21/2008	13:31	MD
Bis(2-ethylhexyl) phthalate	110	BJ	190		UG/KG	8270	08/21/2008	13:31	MD
Pentachlorophenol	950		360		UG/KG	8270	08/21/2008	13:31	MD
Metals Analysis									
Arsenic - Total	10.4		2.2		MG/KG	6010	08/20/2008	02:14	TWS
Chromium - Total	20.4		0.55		MG/KG	6010	08/20/2008	02:14	TWS
Copper - Total	14.8		1.1		MG/KG	6010	08/20/2008	02:14	TWS

Sample ID: AOC-B WESTWALL#2

Lab Sample ID: A8A02906

Date Collected: 08/15/2008

Time Collected: 15:20

Date Received: 08/16/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		180	UG/KG	8270	08/21/2008	13:54	MD
Bis(2-ethylhexyl) phthalate	81	BJ	180	UG/KG	8270	08/21/2008	13:54	MD
Pentachlorophenol	260	J	350	UG/KG	8270	08/21/2008	13:54	MD
Metals Analysis								
Arsenic - Total	11.5		2.2	MG/KG	6010	08/20/2008	02:19	TWS
Chromium - Total	20.9		0.55	MG/KG	6010	08/20/2008	02:19	TWS
Copper - Total	14.1		1.1	MG/KG	6010	08/20/2008	02:19	TWS

Chain of Custody Record

AL-4142 (0907)

Client: **OP-Tech** Project Manager: **Tom Renger** Date: _____ Chain of Custody Number: **391084**
 Address: **6392 Deere Rd** Telephone Number (Area Code)/Fax Number: _____ Lab Number: _____
 Page **1** of **1**

City: **SYRACUSE** State: **NY** Zip Code: **13206** Site Contact: _____ Lab Contact: _____
 Analysis (Attach list if more space is needed)

Project Name and Location (State): **Camp Green Station / Post Excavation** Carrier/Waybill Number: _____
 Contract/Purchase Order/Quote No.:

SDCRO011 Matrix Containers & Preservatives

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						TA/ Metals (6010)	TEL SVOC (8270)	Dioxins + Furans (8290)	Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH							
AOC-B North wall #1	8/15/08	3:20				X					3					X	X	X	
AOC-B North wall #2	8/15/08	2:29				X					3					X	X	X	
AOC-B South wall #1	8/15/08	4:26				X					3					X	X	X	
AOC-B South wall #2	8/15/08	4:00				X					3					X	X	X	
AOC-B West wall #1	8/15/08	3:00				X					3					X	X	X	
AOC-B West wall #2	8/15/08	3:20				X					3					X	X	X	
AOC-B Bottom #1	8/15/08	11:30				X					3					X	X	X	
AOC-B Bottom #2	8/15/08	12:00				X					3					X	X	X	
AOC-B Bottom #3	8/15/08	12:53				X					3					X	X	X	

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown 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) **Category A**

1. Relinquished By: <i>[Signature]</i> Date: 8/15/08 Time: 4:55	1. Received By: <i>[Signature]</i> Date: 8/15 Time: 1655
2. Relinquished By: <i>[Signature]</i> Date: 8/15/08 Time: 1845	2. Received By: <i>[Signature]</i> Date: 8/15 Time: 1845
3. Relinquished By: <i>[Signature]</i> Date: 8/15/08 Time: 1920	3. Received By: <i>[Signature]</i> Date: 8/16/08 Time: 0900

Comments: _____

3-6°C

18/18

OP-TECH Environmental

Client Sample ID: AOC-B NORTHWALL #1

Trace Level Organic Compounds

Lot-Sample #...: G8H160221-001 Work Order #...: KT99X2AC Matrix.....: SOLID
 Date Sampled...: 08/15/08 Date Received...: 08/16/08
 Prep Date.....: 08/21/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8234346
 Dilution Factor: 1
 % Moisture.....: 9.6

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.3	pg/g	SW846 8290
Total TCDD	ND	1.3	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	1.6	pg/g	SW846 8290
Total PeCDD	ND	1.6	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	1.4	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	240		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	17	pg/g	SW846 8290
Total HxCDD	490		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	9200		pg/g	SW846 8290
Total HpCDD	13000		pg/g	SW846 8290
OCDD	81000 E		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.6	pg/g	SW846 8290
Total TCDF	6.4		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	5.0	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	3.5	pg/g	SW846 8290
Total PeCDF	ND	12	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	48 J		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	11	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	12	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	18	pg/g	SW846 8290
Total HxCDF	1300		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	1500		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	120		pg/g	SW846 8290
Total HpCDF	8600		pg/g	SW846 8290
OCDF	12000		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	72	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	109	(40 - 135)
13C-2,3,7,8-TCDF	87	(40 - 135)
13C-1,2,3,7,8-PeCDF	81	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-B NORTHWALL #2

Trace Level Organic Compounds

Lot-Sample #...: G8H160221-002 Work Order #...: KT9902AC Matrix.....: SOLID
 Date Sampled...: 08/15/08 Date Received...: 08/16/08
 Prep Date.....: 08/21/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8234346
 Dilution Factor: 1
 % Moisture.....: 10

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.4	pg/g	SW846 8290
Total TCDD	ND	1.4	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	2.1	pg/g	SW846 8290
Total PeCDD	ND	2.1	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	1.2	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	3.7	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	1.3	pg/g	SW846 8290
Total HxCDD	ND	4.0	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	140		pg/g	SW846 8290
Total HpCDD	210		pg/g	SW846 8290
OCDD	1200		pg/g	SW846 8290
2,3,7,8-TCDF	ND	2.0	pg/g	SW846 8290
Total TCDF	17		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.98	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.97	pg/g	SW846 8290
Total PeCDF	ND	1.3	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.82	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.53	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.61	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.72	pg/g	SW846 8290
Total HxCDF	ND	16	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	28 J		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	1.9	pg/g	SW846 8290
Total HpCDF	160		pg/g	SW846 8290
OCDF	240		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	73	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
13C-OCDD	87	(40 - 135)
13C-2,3,7,8-TCDF	85	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	100	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	96	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-B SOUTHWALL #1

Trace Level Organic Compounds

Lot-Sample #...: G8H160221-003 Work Order #...: KT9912AC Matrix.....: SOLID
 Date Sampled...: 08/15/08 Date Received...: 08/16/08
 Prep Date.....: 08/21/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8234346
 Dilution Factor: 1
 % Moisture.....: 11

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.9	pg/g	SW846 8290
Total TCDD	ND	1.9	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	2.6	pg/g	SW846 8290
Total PeCDD	ND	2.6	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	7.4	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	22	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	15	pg/g	SW846 8290
Total HxCDD	31		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	600		pg/g	SW846 8290
Total HpCDD	890		pg/g	SW846 8290
OCDD	4000		pg/g	SW846 8290
2,3,7,8-TCDF	ND	3.2	pg/g	SW846 8290
Total TCDF	58		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	1.1	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	1.1	pg/g	SW846 8290
Total PeCDF	ND	1.6	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	2.7	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	1.9	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	3.6	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.3	pg/g	SW846 8290
Total HxCDF	97		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	120		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	9.5	pg/g	SW846 8290
Total HpCDF	580		pg/g	SW846 8290
OCDF	850		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	54	(40 - 135)
13C-1,2,3,7,8-PeCDD	43	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	57	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	58	(40 - 135)
13C-OCDD	54	(40 - 135)
13C-2,3,7,8-TCDF	54	(40 - 135)
13C-1,2,3,7,8-PeCDF	48	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	60	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	59	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

OP-TECH Environmental

Client Sample ID: AOC-B SOUTHWALL #2

Trace Level Organic Compounds

Lot-Sample #...: G8H160221-004 Work Order #...: KT9922AC Matrix.....: SOLID
 Date Sampled...: 08/15/08 Date Received...: 08/16/08
 Prep Date.....: 08/21/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8234346
 Dilution Factor: 1
 % Moisture.....: 12

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.89	pg/g	SW846 8290
Total TCDD	ND	0.89	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.92	pg/g	SW846 8290
Total PeCDD	ND	0.92	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	2.1	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	31 J		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	9.7	pg/g	SW846 8290
Total HxCDD	67		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	1200		pg/g	SW846 8290
Total HpCDD	1900		pg/g	SW846 8290
OCDD	13000		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.4	pg/g	SW846 8290
Total TCDF	29		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.72	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.70	pg/g	SW846 8290
Total PeCDF	ND	2.9	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	5.3	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	1.9	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	4.2	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.1	pg/g	SW846 8290
Total HxCDF	130		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	150		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	15	pg/g	SW846 8290
Total HpCDF	790		pg/g	SW846 8290
OCDF	1100		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	76	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	97	(40 - 135)
13C-OCDD	97	(40 - 135)
13C-2,3,7,8-TCDF	87	(40 - 135)
13C-1,2,3,7,8-PeCDF	71	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	99	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	100	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-B WESTWALL #1

Trace Level Organic Compounds

Lot-Sample #...: G8H160221-005 Work Order #...: KT9932AC Matrix.....: SOLID
 Date Sampled...: 08/15/08 Date Received...: 08/16/08
 Prep Date.....: 08/21/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8234346
 Dilution Factor: 1
 % Moisture.....: 11

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.7	pg/g	SW846 8290
Total TCDD	ND	3.7	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	6.1	pg/g	SW846 8290
Total PeCDD	ND	6.1	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	8.4	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	80		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	10	pg/g	SW846 8290
Total HxCDD	160		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	4000		pg/g	SW846 8290
Total HpCDD	6000		pg/g	SW846 8290
OCDD	50000 E		pg/g	SW846 8290
2,3,7,8-TCDF	ND	2.5	pg/g	SW846 8290
Total TCDF	9.7		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	4.2	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	4.4	pg/g	SW846 8290
Total PeCDF	ND	4.9	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	17	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	5.8	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	6.8	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	7.7	pg/g	SW846 8290
Total HxCDF	430		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	450		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	57		pg/g	SW846 8290
Total HpCDF	2500		pg/g	SW846 8290
OCDF	3500		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	82	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	79	(40 - 135)
13C-OCDD	94	(40 - 135)
13C-2,3,7,8-TCDF	79	(40 - 135)
13C-1,2,3,7,8-PeCDF	78	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	83	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	82	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

OP-TECH Environmental

Client Sample ID: AOC-B WESTWALL #2

Trace Level Organic Compounds

Lot-Sample #...: G8H160221-006 Work Order #...: KT9942AC Matrix.....: SOLID
 Date Sampled...: 08/15/08 Date Received...: 08/16/08
 Prep Date.....: 08/21/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8234346
 Dilution Factor: 1
 % Moisture.....: 9.7

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.6	pg/g	SW846 8290
Total TCDD	ND	3.6	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	6.3	pg/g	SW846 8290
Total PeCDD	ND	6.3	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	7.5	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	180		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	14	pg/g	SW846 8290
Total HxCDD	360		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	6700		pg/g	SW846 8290
Total HpCDD	9600		pg/g	SW846 8290
OCDD	57000 E		pg/g	SW846 8290
2,3,7,8-TCDF	ND	2.4	pg/g	SW846 8290
Total TCDF	7.2		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	5.7	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	5.3	pg/g	SW846 8290
Total PeCDF	ND	11	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	37 J		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	9.9	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	12	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	8.4	pg/g	SW846 8290
Total HxCDF	940		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	830		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	87		pg/g	SW846 8290
Total HpCDF	4600		pg/g	SW846 8290
OCDF	6000		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	75	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	87	(40 - 135)
13C-OCDD	99	(40 - 135)
13C-2,3,7,8-TCDF	81	(40 - 135)
13C-1,2,3,7,8-PeCDF	75	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	90	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-B BOTTOM #1

Trace Level Organic Compounds

Lot-Sample #...: G8H160221-007 Work Order #...: KT9952AC Matrix.....: SOLID
 Date Sampled...: 08/15/08 Date Received...: 08/16/08
 Prep Date.....: 08/21/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8234346
 Dilution Factor: 1
 % Moisture.....: 11

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.3	pg/g	SW846 8290
Total TCDD	ND	3.3	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	8.6	pg/g	SW846 8290
Total PeCDD	ND	8.6	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	15	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	57		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	27 J		pg/g	SW846 8290
Total HxCDD	170		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	1900		pg/g	SW846 8290
Total HpCDD	2900		pg/g	SW846 8290
OCDD	15000		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.9	pg/g	SW846 8290
Total TCDF	ND	4.4	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	3.8	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	4.0	pg/g	SW846 8290
Total PeCDF	ND	5.7	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	9.2	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	5.2	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	5.5	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	6.2	pg/g	SW846 8290
Total HxCDF	250		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	280		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	24 J		pg/g	SW846 8290
Total HpCDF	1400		pg/g	SW846 8290
OCDF	1900		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	93	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	79	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	83	(40 - 135)
13C-1,2,3,7,8-PeCDF	78	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	89	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-B BOTTOM #2

Trace Level Organic Compounds

Lot-Sample #...: G8H160221-008 Work Order #...: KT9962AC Matrix.....: SOLID
 Date Sampled...: 08/15/08 Date Received...: 08/16/08
 Prep Date.....: 08/21/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8234346
 Dilution Factor: 1
 % Moisture.....: 11

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	7.8	pg/g	SW846 8290
Total TCDD	ND	7.8	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	11	pg/g	SW846 8290
Total PeCDD	ND	11	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	16	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	12	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	13	pg/g	SW846 8290
Total HxCDD	ND	16	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	360		pg/g	SW846 8290
Total HpCDD	550		pg/g	SW846 8290
OCDD	3300		pg/g	SW846 8290
2,3,7,8-TCDF	ND	4.2	pg/g	SW846 8290
Total TCDF	ND	4.2	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	8.3	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	8.7	pg/g	SW846 8290
Total PeCDF	ND	8.7	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	10	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	8.3	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	9.8	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	11	pg/g	SW846 8290
Total HxCDF	30		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	50	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	15	pg/g	SW846 8290
Total HpCDF	230		pg/g	SW846 8290
OCDF	480		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	53	(40 - 135)
13C-1,2,3,7,8-PeCDD	48	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	51	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	43	(40 - 135)
13C-OCDD	42	(40 - 135)
13C-2,3,7,8-TCDF	49	(40 - 135)
13C-1,2,3,7,8-PeCDF	47	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	53	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	48	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

OP-TECH Environmental

Client Sample ID: AOC-B BOTTOM #3

Trace Level Organic Compounds

Lot-Sample #...: G8H160221-009 Work Order #...: KT9972AC Matrix.....: SOLID
 Date Sampled...: 08/15/08 Date Received...: 08/16/08
 Prep Date.....: 08/21/08 Analysis Date...: 08/23/08
 Prep Batch #...: 8234346
 Dilution Factor: 1
 % Moisture.....: 9.1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	7.8	pg/g	SW846 8290
Total TCDD	ND	7.8	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	15	pg/g	SW846 8290
Total PeCDD	ND	15	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	17	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	13	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	14	pg/g	SW846 8290
Total HxCDD	ND	17	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	160		pg/g	SW846 8290
Total HpCDD	220		pg/g	SW846 8290
OCDD	1500		pg/g	SW846 8290
2,3,7,8-TCDF	ND	5.1	pg/g	SW846 8290
Total TCDF	ND	5.1	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	9.5	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	9.9	pg/g	SW846 8290
Total PeCDF	ND	9.9	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	12	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	9.6	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	11	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	13	pg/g	SW846 8290
Total HxCDF	ND	13	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	18	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	15	pg/g	SW846 8290
Total HpCDF	110		pg/g	SW846 8290
OCDF	230		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	37 *	(40 - 135)
13C-1,2,3,7,8-PeCDD	31 *	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	35 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	28 *	(40 - 135)
13C-OCDD	26 *	(40 - 135)
13C-2,3,7,8-TCDF	32 *	(40 - 135)
13C-1,2,3,7,8-PeCDF	30 *	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	34 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	32 *	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: AOC-B NORTHWALL #1

General Chemistry

Lot-Sample #...: G8H160221-001 Work Order #...: KT99X Matrix.....: SOLID
Date Sampled...: 08/15/08 Date Received...: 08/16/08
% Moisture.....: 9.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	9.6	0.10	%	ASTM D 2216-90	08/19-08/20/08	8232285
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-B NORTHWALL #2

General Chemistry

Lot-Sample #...: G8H160221-002 Work Order #...: KT990 Matrix.....: SOLID
Date Sampled...: 08/15/08 Date Received..: 08/16/08
% Moisture.....: 10

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	10	0.10	%	ASTM D 2216-90	08/19-08/20/08	8232285
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-B SOUTHWALL #1

General Chemistry

Lot-Sample #...: G8H160221-003 Work Order #...: KT991 Matrix.....: SOLID
Date Sampled...: 08/15/08 Date Received...: 08/16/08
% Moisture.....: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	11.3	0.10	%	ASTM D 2216-90	08/19-08/20/08	8232285
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-B SOUTHWALL #2

General Chemistry

Lot-Sample #...: G8H160221-004 Work Order #...: KT992 Matrix.....: SOLID
Date Sampled...: 08/15/08 Date Received..: 08/16/08
% Moisture.....: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	12.0	0.10	%	ASTM D 2216-90	08/19-08/20/08	8232285
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-B WESTWALL #1

General Chemistry

Lot-Sample #...: G8H160221-005 Work Order #...: KT993 Matrix.....: SOLID
Date Sampled...: 08/15/08 Date Received..: 08/16/08
% Moisture.....: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	11.0	0.10	%	ASTM D 2216-90	08/19-08/20/08	8232285
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-B WESTWALL #2

General Chemistry

Lot-Sample #...: G8H160221-006 Work Order #...: KT994 Matrix.....: SOLID
Date Sampled...: 08/15/08 Date Received...: 08/16/08
% Moisture.....: 9.7

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	9.7	0.10	%	ASTM D 2216-90	08/19-08/20/08	8232285
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-B BOTTOM #1

General Chemistry

Lot-Sample #...: G8H160221-007 Work Order #...: KT995 Matrix.....: SOLID
Date Sampled...: 08/15/08 Date Received...: 08/16/08
% Moisture.....: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	10.9	0.10	%	ASTM D 2216-90	08/19-08/20/08	8232285
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-B BOTTOM #2

General Chemistry

Lot-Sample #...: G8H160221-008 Work Order #...: KT996 Matrix.....: SOLID
Date Sampled...: 08/15/08 Date Received...: 08/16/08
% Moisture.....: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	10.8	0.10	%	ASTM D 2216-90	08/19-08/20/08	8232285
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-B BOTTOM #3

General Chemistry

Lot-Sample #...: G8H160221-009 Work Order #...: KT997 Matrix.....: SOLID
Date Sampled...: 08/15/08 Date Received...: 08/16/08
% Moisture.....: 9.1

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	9.1	0.10	%	ASTM D 2216-90	08/19-08/20/08	8232285
		Dilution Factor: 1		MDL.....: 0.10		

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H160221
 MB Lot-Sample #: G8H210000-346

Work Order #...: KVJQ91AA

Matrix.....: SOLID

Prep Date.....: 08/21/08

Analysis Date...: 08/22/08

Prep Batch #...: 8234346

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.12	pg/g	SW846 8290
Total TCDD	ND	0.12	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.14	pg/g	SW846 8290
Total PeCDD	ND	0.14	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.058	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.046	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.046	pg/g	SW846 8290
Total HxCDD	ND	0.058	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.076	pg/g	SW846 8290
Total HpCDD	ND	0.076	pg/g	SW846 8290
OCDD	ND	0.13	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.17	pg/g	SW846 8290
Total TCDF	ND	0.17	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.055	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.054	pg/g	SW846 8290
Total PeCDF	ND	0.082	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.040	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.034	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.039	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.046	pg/g	SW846 8290
Total HxCDF	ND	0.046	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.039	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.047	pg/g	SW846 8290
Total HpCDF	ND	0.047	pg/g	SW846 8290
OCDF	ND	0.12	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	74	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	89	(40 - 135)
13C-1,2,3,7,8-PeCDF	80	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	99	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H160221 Work Order #...: KVJQ91AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H210000-346
 Prep Date.....: 08/21/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8234346
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	110	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	100	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	111	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	109	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	111	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	112	(82 - 134)	SW846 8290
OCDD	111	(74 - 144)	SW846 8290
2,3,7,8-TCDF	103	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	109	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	97	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	107	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	108	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	113	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	118	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	109	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	114	(78 - 130)	SW846 8290
OCDF	116	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	81	(40 - 135)
13C-1,2,3,7,8-PeCDD	71	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	87	(40 - 135)
13C-OCDD	84	(40 - 135)
13C-2,3,7,8-TCDF	83	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H160221 Work Order #...: KVJQ91AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H210000-346
 Prep Date.....: 08/21/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8234346
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	21.9	pg/g	110	SW846 8290
1,2,3,7,8-PeCDD	100	100	pg/g	100	SW846 8290
1,2,3,4,7,8-HxCDD	100	111	pg/g	111	SW846 8290
1,2,3,6,7,8-HxCDD	100	109	pg/g	109	SW846 8290
1,2,3,7,8,9-HxCDD	100	111	pg/g	111	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	112	pg/g	112	SW846 8290
OCDD	200	221	pg/g	111	SW846 8290
2,3,7,8-TCDF	20.0	20.5	pg/g	103	SW846 8290
1,2,3,7,8-PeCDF	100	109	pg/g	109	SW846 8290
2,3,4,7,8-PeCDF	100	97.4	pg/g	97	SW846 8290
1,2,3,4,7,8-HxCDF	100	107	pg/g	107	SW846 8290
1,2,3,6,7,8-HxCDF	100	108	pg/g	108	SW846 8290
2,3,4,6,7,8-HxCDF	100	113	pg/g	113	SW846 8290
1,2,3,7,8,9-HxCDF	100	118	pg/g	118	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	109	pg/g	109	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	114	pg/g	114	SW846 8290
OCDF	200	232	pg/g	116	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	81	(40 - 135)
13C-1,2,3,7,8-PeCDD	71	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	87	(40 - 135)
13C-OCDD	84	(40 - 135)
13C-2,3,7,8-TCDF	83	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G8H160221

Work Order #...: KT4JQ-SMP
KT4JQ-DUP

Matrix.....: SOLID

Date Sampled...: 08/11/08

Date Received...: 08/13/08

% Moisture.....: 21

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>	<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	21.0	21.2	%	0.90	(0-20)	ASTM D 2216-90	SD Lot-Sample #: G8H130303-001 08/19-08/20/08	8232285

Dilution Factor: 1

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B NORTHWALL #1

Lot-Sample #...:	G8H160221 - 001	Work Order #...:	KT99X2AC	Matrix....:	SOLID
Date Sampled...:	08/15/08	Date Received..:	08/16/08	Instrument:	4D5
Prep Date.....:	08/21/08	Analysis Date..:	08/22/08	Units.....:	pg/g
Prep Batch #...:	8234346	Dilution Factor:	1	% Moisture:	9.6

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.3	1.000	0
Total TCDD	ND	1.3		0
1,2,3,7,8-PeCDD	ND	1.6	0.500	0
Total PeCDD	ND	1.6		0
1,2,3,4,7,8-HxCDD	ND	1.4	0.100	0
1,2,3,6,7,8-HxCDD	240		0.100	24.0000
1,2,3,7,8,9-HxCDD	ND	17	0.100	0
Total HxCDD	490			
1,2,3,4,6,7,8-HpCDD	9200		0.010	92.0000
Total HpCDD	13000			
OCDD	81000	E	0.001	81.0000
2,3,7,8-TCDF	ND	1.6	0.100	0
Total TCDF	6.4			
1,2,3,7,8-PeCDF	ND	5.0	0.050	0
2,3,4,7,8-PeCDF	ND	3.5	0.500	0
Total PeCDF	ND	12		0
1,2,3,4,7,8-HxCDF	48	J	0.100	4.8000
1,2,3,6,7,8-HxCDF	ND	11	0.100	0
2,3,4,6,7,8-HxCDF	ND	12	0.100	0
1,2,3,7,8,9-HxCDF	ND	18	0.100	0
Total HxCDF	1300			
1,2,3,4,6,7,8-HpCDF	1500		0.010	15.0000
1,2,3,4,7,8,9-HpCDF	120		0.010	1.2000
Total HpCDF	8600			
OCDF	12000		0.001	12.0000
Total TEQ Concentration				230.0000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	72	40 - 135
13C-1,2,3,6,7,8-HxCDD	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	96	40 - 135
13C-OCDD	109	40 - 135
13C-2,3,7,8-TCDF	87	40 - 135
13C-1,2,3,7,8-PeCDF	81	40 - 135
13C-1,2,3,4,7,8-HxCDF	96	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/R-89/016

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B NORTHWALL #2

Lot-Sample #...:	G8H160221 - 002	Work Order #...:	KT9902AC	Matrix....:	SOLID
Date Sampled...:	08/15/08	Date Received..:	08/16/08	Instrument:	4D5
Prep Date.....:	08/21/08	Analysis Date..:	08/22/08	Units.....:	pg/g
Prep Batch #...:	8234346	Dilution Factor:	1	% Moisture:	10

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.4	1.000	0
Total TCDD	ND	1.4		0
1,2,3,7,8-PeCDD	ND	2.1	0.500	0
Total PeCDD	ND	2.1		0
1,2,3,4,7,8-HxCDD	ND	1.2	0.100	0
1,2,3,6,7,8-HxCDD	ND	3.7	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.3	0.100	0
Total HxCDD	ND	4.0		0
1,2,3,4,6,7,8-HpCDD	140		0.010	1.4000
Total HpCDD	210			
OCDD	1200		0.001	1.2000
2,3,7,8-TCDF	ND	2.0	0.100	0
Total TCDF	17			
1,2,3,7,8-PeCDF	ND	0.98	0.050	0
2,3,4,7,8-PeCDF	ND	0.97	0.500	0
Total PeCDF	ND	1.3		0
1,2,3,4,7,8-HxCDF	ND	0.82	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.53	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.61	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.72	0.100	0
Total HxCDF	ND	16		0
1,2,3,4,6,7,8-HpCDF	28	J	0.010	0.2800
1,2,3,4,7,8,9-HpCDF	ND	1.9	0.010	0
Total HpCDF	160			
OCDF	240		0.001	0.2400
Total TEQ Concentration				3.1200

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	40 - 135
13C-1,2,3,7,8-PeCDD	73	40 - 135
13C-1,2,3,6,7,8-HxCDD	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	93	40 - 135
13C-OCDD	87	40 - 135
13C-2,3,7,8-TCDF	85	40 - 135
13C-1,2,3,7,8-PeCDF	74	40 - 135
13C-1,2,3,4,7,8-HxCDF	100	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	96	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B SOUTHWALL #1

Lot-Sample #...: G8H160221 - 003
 Date Sampled...: 08/15/08
 Prep Date.....: 08/21/08
 Prep Batch #...: 8234346

Work Order #...: KT9912AC
 Date Received..: 08/16/08
 Analysis Date..: 08/22/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.9	1.000	0
Total TCDD	ND	1.9		0
1,2,3,7,8-PeCDD	ND	2.6	0.500	0
Total PeCDD	ND	2.6		0
1,2,3,4,7,8-HxCDD	ND	7.4	0.100	0
1,2,3,6,7,8-HxCDD	ND	22	0.100	0
1,2,3,7,8,9-HxCDD	ND	15	0.100	0
Total HxCDD	31			
1,2,3,4,6,7,8-HpCDD	600		0.010	6.0000
Total HpCDD	890			
OCDD	4000		0.001	4.0000
2,3,7,8-TCDF	ND	3.2	0.100	0
Total TCDF	58			
1,2,3,7,8-PeCDF	ND	1.1	0.050	0
2,3,4,7,8-PeCDF	ND	1.1	0.500	0
Total PeCDF	ND	1.6		0
1,2,3,4,7,8-HxCDF	ND	2.7	0.100	0
1,2,3,6,7,8-HxCDF	ND	1.9	0.100	0
2,3,4,6,7,8-HxCDF	ND	3.6	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.3	0.100	0
Total HxCDF	97			
1,2,3,4,6,7,8-HpCDF	120		0.010	1.2000
1,2,3,4,7,8,9-HpCDF	ND	9.5	0.010	0
Total HpCDF	580			
OCDF	850		0.001	0.8500
Total TEQ Concentration				12.0500

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	54	40 - 135
13C-1,2,3,7,8-PeCDD	43	40 - 135
13C-1,2,3,6,7,8-HxCDD	57	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	58	40 - 135
13C-OCDD	54	40 - 135
13C-2,3,7,8-TCDF	54	40 - 135
13C-1,2,3,7,8-PeCDF	48	40 - 135
13C-1,2,3,4,7,8-HxCDF	60	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	59	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B SOUTHWALL #2

Lot-Sample #...: G8H160221 - 004
 Date Sampled...: 08/15/08
 Prep Date.....: 08/21/08
 Prep Batch #...: 8234346

Work Order #...: KT9922AC
 Date Received...: 08/16/08
 Analysis Date...: 08/22/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 12

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.89	1.000	0
Total TCDD	ND	0.89		0
1,2,3,7,8-PeCDD	ND	0.92	0.500	0
Total PeCDD	ND	0.92		0
1,2,3,4,7,8-HxCDD	ND	2.1	0.100	0
1,2,3,6,7,8-HxCDD	31	J	0.100	3.1000
1,2,3,7,8,9-HxCDD	ND	9.7	0.100	0
Total HxCDD	67			
1,2,3,4,6,7,8-HpCDD	1200		0.010	12.0000
Total HpCDD	1900			
OCDD	13000		0.001	13.0000
2,3,7,8-TCDF	ND	1.4	0.100	0
Total TCDF	29			
1,2,3,7,8-PeCDF	ND	0.72	0.050	0
2,3,4,7,8-PeCDF	ND	0.70	0.500	0
Total PeCDF	ND	2.9		0
1,2,3,4,7,8-HxCDF	ND	5.3	0.100	0
1,2,3,6,7,8-HxCDF	ND	1.9	0.100	0
2,3,4,6,7,8-HxCDF	ND	4.2	0.100	0
1,2,3,7,8,9-HxCDF	ND	2.1	0.100	0
Total HxCDF	130			
1,2,3,4,6,7,8-HpCDF	150		0.010	1.5000
1,2,3,4,7,8,9-HpCDF	ND	15	0.010	0
Total HpCDF	790			
OCDF	1100		0.001	1.1000
Total TEQ Concentration				30.7000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	40 - 135
13C-1,2,3,7,8-PeCDD	76	40 - 135
13C-1,2,3,6,7,8-HxCDD	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 135
13C-OCDD	97	40 - 135
13C-2,3,7,8-TCDF	87	40 - 135
13C-1,2,3,7,8-PeCDF	71	40 - 135
13C-1,2,3,4,7,8-HxCDF	99	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	100	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B WESTWALL #1

Lot-Sample #...: G8H160221 - 005
 Date Sampled...: 08/15/08
 Prep Date.....: 08/21/08
 Prep Batch #...: 8234346

Work Order #...: KT9932AC
 Date Received...: 08/16/08
 Analysis Date...: 08/22/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 11

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	3.7	1.000	0
Total TCDD	ND	3.7		0
1,2,3,7,8-PeCDD	ND	6.1	0.500	0
Total PeCDD	ND	6.1		0
1,2,3,4,7,8-HxCDD	ND	8.4	0.100	0
1,2,3,6,7,8-HxCDD	80		0.100	8.0000
1,2,3,7,8,9-HxCDD	ND	10	0.100	0
Total HxCDD	160			
1,2,3,4,6,7,8-HpCDD	4000		0.010	40.0000
Total HpCDD	6000			
OCDD	50000 E		0.001	50.0000
2,3,7,8-TCDF	ND	2.5	0.100	0
Total TCDF	9.7			
1,2,3,7,8-PeCDF	ND	4.2	0.050	0
2,3,4,7,8-PeCDF	ND	4.4	0.500	0
Total PeCDF	ND	4.9		0
1,2,3,4,7,8-HxCDF	ND	17	0.100	0
1,2,3,6,7,8-HxCDF	ND	5.8	0.100	0
2,3,4,6,7,8-HxCDF	ND	6.8	0.100	0
1,2,3,7,8,9-HxCDF	ND	7.7	0.100	0
Total HxCDF	430			
1,2,3,4,6,7,8-HpCDF	450		0.010	4.5000
1,2,3,4,7,8,9-HpCDF	57		0.010	0.5700
Total HpCDF	2500			
OCDF	3500		0.001	3.5000
Total TEQ Concentration				106.5700

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	81	40 - 135
13C-1,2,3,6,7,8-HxCDD	82	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	79	40 - 135
13C-OCDD	94	40 - 135
13C-2,3,7,8-TCDF	79	40 - 135
13C-1,2,3,7,8-PeCDF	78	40 - 135
13C-1,2,3,4,7,8-HxCDF	83	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	82	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

E Estimated result. Result concentration exceeds the calibration range.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B WESTWALL #2

Lot-Sample #...: G8H160221 - 006
 Date Sampled...: 08/15/08
 Prep Date.....: 08/21/08
 Prep Batch #...: 8234346

Work Order #...: KT9942AC
 Date Received...: 08/16/08
 Analysis Date...: 08/22/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 9.7

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	3.6	1.000	0
Total TCDD	ND	3.6		0
1,2,3,7,8-PeCDD	ND	6.3	0.500	0
Total PeCDD	ND	6.3		0
1,2,3,4,7,8-HxCDD	ND	7.5	0.100	0
1,2,3,6,7,8-HxCDD	180		0.100	18.0000
1,2,3,7,8,9-HxCDD	ND	14	0.100	0
Total HxCDD	360			
1,2,3,4,6,7,8-HpCDD	6700		0.010	67.0000
Total HpCDD	9600			
OCDD	57000	E	0.001	57.0000
2,3,7,8-TCDF	ND	2.4	0.100	0
Total TCDF	7.2			
1,2,3,7,8-PeCDF	ND	5.7	0.050	0
2,3,4,7,8-PeCDF	ND	5.3	0.500	0
Total PeCDF	ND	11		0
1,2,3,4,7,8-HxCDF	37	J	0.100	3.7000
1,2,3,6,7,8-HxCDF	ND	9.9	0.100	0
2,3,4,6,7,8-HxCDF	ND	12	0.100	0
1,2,3,7,8,9-HxCDF	ND	8.4	0.100	0
Total HxCDF	940			
1,2,3,4,6,7,8-HpCDF	830		0.010	8.3000
1,2,3,4,7,8,9-HpCDF	87		0.010	0.8700
Total HpCDF	4600			
OCDF	6000		0.001	6.0000
Total TEQ Concentration				160.8700

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	75	40 - 135
13C-1,2,3,6,7,8-HxCDD	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	87	40 - 135
13C-OCDD	99	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	75	40 - 135
13C-1,2,3,4,7,8-HxCDF	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	90	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B BOTTOM #1

Lot-Sample #...: G8H160221 - 007
 Date Sampled...: 08/15/08
 Prep Date.....: 08/21/08
 Prep Batch #...: 8234346

Work Order #...: KT9952AC
 Date Received...: 08/16/08
 Analysis Date...: 08/22/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 11

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	3.3	1.000	0
Total TCDD	ND	3.3		0
1,2,3,7,8-PeCDD	ND	8.6	0.500	0
Total PeCDD	ND	8.6		0
1,2,3,4,7,8-HxCDD	ND	15	0.100	0
1,2,3,6,7,8-HxCDD	57		0.100	5.7000
1,2,3,7,8,9-HxCDD	27	J	0.100	2.7000
Total HxCDD	170			
1,2,3,4,6,7,8-HpCDD	1900		0.010	19.0000
Total HpCDD	2900			
OCDD	15000		0.001	15.0000
2,3,7,8-TCDF	ND	1.9	0.100	0
Total TCDF	ND	4.4		0
1,2,3,7,8-PeCDF	ND	3.8	0.050	0
2,3,4,7,8-PeCDF	ND	4.0	0.500	0
Total PeCDF	ND	5.7		0
1,2,3,4,7,8-HxCDF	ND	9.2	0.100	0
1,2,3,6,7,8-HxCDF	ND	5.2	0.100	0
2,3,4,6,7,8-HxCDF	ND	5.5	0.100	0
1,2,3,7,8,9-HxCDF	ND	6.2	0.100	0
Total HxCDF	250			
1,2,3,4,6,7,8-HpCDF	280		0.010	2.8000
1,2,3,4,7,8,9-HpCDF	24	J	0.010	0.2400
Total HpCDF	1400			
OCDF	1900		0.001	1.9000
Total TEQ Concentration				47.3400

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	81	40 - 135
13C-1,2,3,6,7,8-HxCDD	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	79	40 - 135
13C-OCDD	89	40 - 135
13C-2,3,7,8-TCDF	83	40 - 135
13C-1,2,3,7,8-PeCDF	78	40 - 135
13C-1,2,3,4,7,8-HxCDF	91	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	89	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/P-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B BOTTOM #2

Lot-Sample #...: G8H160221 - 008
 Date Sampled...: 08/15/08
 Prep Date.....: 08/21/08
 Prep Batch #...: 8234346

Work Order #...: KT9962AC
 Date Received..: 08/16/08
 Analysis Date...: 08/22/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 11

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	7.8	1.000	0
Total TCDD	ND	7.8		0
1,2,3,7,8-PeCDD	ND	11	0.500	0
Total PeCDD	ND	11		0
1,2,3,4,7,8-HxCDD	ND	16	0.100	0
1,2,3,6,7,8-HxCDD	ND	12	0.100	0
1,2,3,7,8,9-HxCDD	ND	13	0.100	0
Total HxCDD	ND	16		0
1,2,3,4,6,7,8-HpCDD	360		0.010	3.6000
Total HpCDD	550			
OCDD	3300		0.001	3.3000
2,3,7,8-TCDF	ND	4.2	0.100	0
Total TCDF	ND	4.2		0
1,2,3,7,8-PeCDF	ND	8.3	0.050	0
2,3,4,7,8-PeCDF	ND	8.7	0.500	0
Total PeCDF	ND	8.7		0
1,2,3,4,7,8-HxCDF	ND	10	0.100	0
1,2,3,6,7,8-HxCDF	ND	8.3	0.100	0
2,3,4,6,7,8-HxCDF	ND	9.8	0.100	0
1,2,3,7,8,9-HxCDF	ND	11	0.100	0
Total HxCDF	30			
1,2,3,4,6,7,8-HpCDF	ND	50	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	15	0.010	0
Total HpCDF	230			
OCDF	480		0.001	0.4800
Total TEQ Concentration				7.3800

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	53	40 - 135
13C-1,2,3,7,8-PeCDD	48	40 - 135
13C-1,2,3,6,7,8-HxCDD	51	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	43	40 - 135
13C-OCDD	42	40 - 135
13C-2,3,7,8-TCDF	49	40 - 135
13C-1,2,3,7,8-PeCDF	47	40 - 135
13C-1,2,3,4,7,8-HxCDF	53	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	48	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B BOTTOM #3

Lot-Sample #...: G8H160221 - 009
 Date Sampled...: 08/15/08
 Prep Date.....: 08/21/08
 Prep Batch #...: 8234346

Work Order #...: KT9972AC
 Date Received..: 08/16/08
 Analysis Date...: 08/23/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 9.1

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	7.8	1.000	0
Total TCDD	ND	7.8		0
1,2,3,7,8-PeCDD	ND	15	0.500	0
Total PeCDD	ND	15		0
1,2,3,4,7,8-HxCDD	ND	17	0.100	0
1,2,3,6,7,8-HxCDD	ND	13	0.100	0
1,2,3,7,8,9-HxCDD	ND	14	0.100	0
Total HxCDD	ND	17		0
1,2,3,4,6,7,8-HpCDD	160		0.010	1.6000
Total HpCDD	220			
OCDD	1500		0.001	1.5000
2,3,7,8-TCDF	ND	5.1	0.100	0
Total TCDF	ND	5.1		0
1,2,3,7,8-PeCDF	ND	9.5	0.050	0
2,3,4,7,8-PeCDF	ND	9.9	0.500	0
Total PeCDF	ND	9.9		0
1,2,3,4,7,8-HxCDF	ND	12	0.100	0
1,2,3,6,7,8-HxCDF	ND	9.6	0.100	0
2,3,4,6,7,8-HxCDF	ND	11	0.100	0
1,2,3,7,8,9-HxCDF	ND	13	0.100	0
Total HxCDF	ND	13		0
1,2,3,4,6,7,8-HpCDF	ND	18	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	15	0.010	0
Total HpCDF	110			
OCDF	230		0.001	0.2300
Total TEQ Concentration				3.3300

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	37 *	40 - 135
13C-1,2,3,7,8-PeCDD	31 *	40 - 135
13C-1,2,3,6,7,8-HxCDD	35 *	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	28 *	40 - 135
13C-OCDD	26 *	40 - 135
13C-2,3,7,8-TCDF	32 *	40 - 135
13C-1,2,3,7,8-PeCDF	30 *	40 - 135
13C-1,2,3,4,7,8-HxCDF	34 *	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	32 *	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

* Surrogate recovery is outside stated control limits.

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC B

Post Excavation Sampling

Compounds	Remediation Goals	AOC-B#1 East Wall	AOC-B#2 East Wall	AOC-B Bottom #1	AOC-B Bottom #2	AOC-B Bottom #3	AOC-B North Wall #1	AOC-B North Wall #2	AOC-B South Wall #1	AOC-B South Wall #2	AOC-B West Wall #1	AOC-B West Wall #2	AOC-B#2 East Wall	AOC-B Bottom #1	AOC-B Bottom #3	AOC-B South Wall #1	AOC-B South Wall #2	AOC-B West Wall #1	AOC-B North Wall #1	
benzo (a) anthracene	1 ppm	ND	0.014	0.007	ND	ND	ND	ND	ND	0.016	0.008	ND	NS	NS	NS	NS	NS	NS	NS	
bis (2-ethylhexyl) phthalate	50 ppm	ND	0.099	0.1	0.084	ND	0.12	0.082	0.084	0.097	0.11	0.081	NS	NS	NS	NS	NS	NS	NS	
pentachlorophenol	0.8 ppm	0.59	3.6	0.96	0.44	1.2	0.28	0.31	1.1	7.1	0.95	0.26	1	ND	2.8	3.6		0.64	NS	
arsenic	13 ppm	7.8	8.8	13.1	7.6	10.5	17.7	8.6	10.8	9.7	10.4	11.5	NS	NS	NS	NS	NS	NS	NS	9.3
chromium	30 ppm	16.8	15.9	24.9	17.5	18.6	18.6	16.3	23.2	18.2	20.4	20.9	NS	NS	NS	NS	NS	NS	NS	NS
copper	50 ppm	14.7	12.6	18.7	14.1	14.2	15.3	13.8	19	14.9	14.8	14.1	NS	NS	NS	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	0.039	0.43	0.047	0.0074	0.0033	0.23	0.0031	0.012	0.031	0.107	0.161	NS	NS	NS	NS	NS	NS	NS	NS

ND = Non-Detect

Bold and Yellow =
 Exceedance

Red and Bold = 2nd time exceedance
 NS=Not Sampled

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

Client Sample ID: AOC-B/Field order#6/Eastwall#2

Lab Sample ID: 220-6615-1

Date Sampled: 09/19/2008 1320

Client Matrix: Solid

% Moisture: 11.2

Date Received: 09/20/2008 1032

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

Method: 8270C

Analysis Batch: 220-20195

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20166

Lab File ID: A1610.D

Dilution: 1.0

Initial Weight/Volume: 15.70 g

Date Analyzed: 09/22/2008 1332

Final Weight/Volume: 1 mL

Date Prepared: 09/20/2008 0920

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		1000	J	36	1800
Surrogate		%Rec			Acceptance Limits
2-Fluorophenol		65			25 - 113
Terphenyl-d14		70			35 - 140
Phenol-d5		61			27 - 122
Nitrobenzene-d5		63			25 - 120
2-Fluorobiphenyl		66			32 - 131
2,4,6-Tribromophenol		63			24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

Client Sample ID: AOC-B/Fied order#11/Bottom#1

Lab Sample ID: 220-6615-2

Date Sampled: 09/19/2008 1325

Client Matrix: Solid

% Moisture: 7.7

Date Received: 09/20/2008 1032

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

Method: 8270C

Analysis Batch: 220-20195

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20166

Lab File ID: A1611.D

Dilution: 1.0

Initial Weight/Volume: 15.24 g

Date Analyzed: 09/22/2008 1358

Final Weight/Volume: 1 mL

Date Prepared: 09/20/2008 0920

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		1800	U	35	1800

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	68	25 - 113
Terphenyl-d14	72	35 - 140
Phenol-d5	64	27 - 122
Nitrobenzene-d5	65	25 - 120
2-Fluorobiphenyl	68	32 - 131
2,4,6-Tribromophenol	61	24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

Client Sample ID: AOC-B/Field order#11/Bottom#3

Lab Sample ID: 220-6615-3

Date Sampled: 09/19/2008 1330

Client Matrix: Solid

% Moisture: 10.4

Date Received: 09/20/2008 1032

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

Method: 8270C

Analysis Batch: 220-20195

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20166

Lab File ID: A1612.D

Dilution: 1.0

Initial Weight/Volume: 15.06 g

Date Analyzed: 09/22/2008 1424

Final Weight/Volume: 1 mL

Date Prepared: 09/20/2008 0920

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		2800		37	1900

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	72	25 - 113
Terphenyl-d14	75	35 - 140
Phenol-d5	68	27 - 122
Nitrobenzene-d5	68	25 - 120
2-Fluorobiphenyl	72	32 - 131
2,4,6-Tribromophenol	68	24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

Client Sample ID: AOC-B/Field order#11/Southwall#1

Lab Sample ID: 220-6615-4

Date Sampled: 09/19/2008 1340

Client Matrix: Solid

% Moisture: 10.4

Date Received: 09/20/2008 1032

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

Method: 8270C

Analysis Batch: 220-20226

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20181

Lab File ID: C7868.D

Dilution: 1.0

Initial Weight/Volume: 15.08 g

Date Analyzed: 09/22/2008 1647

Final Weight/Volume: 1.0 mL

Date Prepared: 09/22/2008 0919

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		3600		37	1900
Surrogate		%Rec			Acceptance Limits
2-Fluorophenol		68			25 - 113
Terphenyl-d14		77			35 - 140
Phenol-d5		67			27 - 122
Nitrobenzene-d5		67			25 - 120
2-Fluorobiphenyl		66			32 - 131
2,4,6-Tribromophenol		64			24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

Client Sample ID: AOC-B/Field order#11/Westwall#1

Lab Sample ID: 220-6615-5

Date Sampled: 09/19/2008 1345

Client Matrix: Solid

% Moisture: 9.9

Date Received: 09/20/2008 1032

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

Method: 8270C

Analysis Batch: 220-20195

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20166

Lab File ID: A1614.D

Dilution: 1.0

Initial Weight/Volume: 15.79 g

Date Analyzed: 09/22/2008 1515

Final Weight/Volume: 1 mL

Date Prepared: 09/20/2008 0920

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		640	J	35	1800
Surrogate		%Rec		Acceptance Limits	
2-Fluorophenol		71		25 - 113	
Terphenyl-d14		76		35 - 140	
Phenol-d5		66		27 - 122	
Nitrobenzene-d5		69		25 - 120	
2-Fluorobiphenyl		72		32 - 131	
2,4,6-Tribromophenol		66		24 - 150	

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

General Chemistry

Client Sample ID: AOC-B/Field order#11/Southwall#1

Lab Sample ID: 220-6615-4

Date Sampled: 09/19/2008 1340

Client Matrix: Solid

Date Received: 09/20/2008 1032

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217		Date Analyzed	09/22/2008 1614			
Percent Solids	89.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217		Date Analyzed	09/22/2008 1614			

Client Sample ID: AOC-B/Field order#11/Westwall#1

Lab Sample ID: 220-6615-5

Date Sampled: 09/19/2008 1345

Client Matrix: Solid

Date Received: 09/20/2008 1032

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.85		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217		Date Analyzed	09/22/2008 1614			
Percent Solids	90.1		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217		Date Analyzed	09/22/2008 1614			

SDG NARRATIVE

Job#: A08-B553

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-B553

Sample Cooler(s) were received at the following temperature(s); 3@2.0 °C
All samples were received in good condition.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."


Richard J. Lafond
Project Manager

09/24/08
Date

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-B553

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8B55304	AOC-B/NORTHWALL#1	SOIL	09/19/2008	13:35	09/20/2008	09:00
A8B55303	TEST PIT #16/E WALL	SOIL	09/18/2008	10:20	09/20/2008	09:00
A8B55302	TEST PIT #16/S WALL	SOIL	09/18/2008	10:15	09/20/2008	09:00
A8B55301	TEST PIT #16/W WALL	SOIL	09/18/2008	10:00	09/20/2008	09:00

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: AOC-B/NORTHWALL#1

Lab Sample ID: A8B55304

Date Collected: 09/19/2008

Time Collected: 13:35

Date Received: 09/20/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Metals Analysis								
Arsenic - Total	9.3		2.1	MG/KG	6010	09/23/2008	15:31	

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

Client Sample ID: AOC-B/Field order#6/Eastwall#2

Lab Sample ID: 220-6615-1

Date Sampled: 09/19/2008 1320

Client Matrix: Solid

% Moisture: 11.2

Date Received: 09/20/2008 1032

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

Method: 8270C

Analysis Batch: 220-20195

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20166

Lab File ID: A1610.D

Dilution: 1.0

Initial Weight/Volume: 15.70 g

Date Analyzed: 09/22/2008 1332

Final Weight/Volume: 1 mL

Date Prepared: 09/20/2008 0920

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		1000	J	36	1800

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	65	25 - 113
Terphenyl-d14	70	35 - 140
Phenol-d5	61	27 - 122
Nitrobenzene-d5	63	25 - 120
2-Fluorobiphenyl	66	32 - 131
2,4,6-Tribromophenol	63	24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

Client Sample ID: AOC-B/Fied order#11/Bottom#1

Lab Sample ID: 220-6615-2

Date Sampled: 09/19/2008 1325

Client Matrix: Solid

% Moisture: 7.7

Date Received: 09/20/2008 1032

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

Method: 8270C

Analysis Batch: 220-20195

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20166

Lab File ID: A1611.D

Dilution: 1.0

Initial Weight/Volume: 15.24 g

Date Analyzed: 09/22/2008 1358

Final Weight/Volume: 1 mL

Date Prepared: 09/20/2008 0920

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		35	U	35	1800
Surrogate		%Rec			Acceptance Limits
2-Fluorophenol		68			25 - 113
Terphenyl-d14		72			35 - 140
Phenol-d5		64			27 - 122
Nitrobenzene-d5		65			25 - 120
2-Fluorobiphenyl		68			32 - 131
2,4,6-Tribromophenol		61			24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

Client Sample ID: AOC-B/Field order#11/Bottom#3

Lab Sample ID: 220-6615-3

Date Sampled: 09/19/2008 1330

Client Matrix: Solid

% Moisture: 10.4

Date Received: 09/20/2008 1032

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

Method: 8270C

Analysis Batch: 220-20195

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20166

Lab File ID: A1612.D

Dilution: 1.0

Initial Weight/Volume: 15.06 g

Date Analyzed: 09/22/2008 1424

Final Weight/Volume: 1 mL

Date Prepared: 09/20/2008 0920

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		2800		37	1900

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	72	25 - 113
Terphenyl-d14	75	35 - 140
Phenol-d5	68	27 - 122
Nitrobenzene-d5	68	25 - 120
2-Fluorobiphenyl	72	32 - 131
2,4,6-Tribromophenol	68	24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

Client Sample ID: AOC-B/Field order#11/Westwall#1

Lab Sample ID: 220-6615-5

Date Sampled: 09/19/2008 1345

Client Matrix: Solid

% Moisture: 9.9

Date Received: 09/20/2008 1032

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

Method: 8270C

Analysis Batch: 220-20195

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20166

Lab File ID: A1614.D

Dilution: 1.0

Initial Weight/Volume: 15.79 g

Date Analyzed: 09/22/2008 1515

Final Weight/Volume: 1 mL

Date Prepared: 09/20/2008 0920

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		640	J	35	1800
Surrogate		%Rec		Acceptance Limits	
2-Fluorophenol		71		25 - 113	
Terphenyl-d14		76		35 - 140	
Phenol-d5		66		27 - 122	
Nitrobenzene-d5		69		25 - 120	
2-Fluorobiphenyl		72		32 - 131	
2,4,6-Tribromophenol		66		24 - 150	

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

General Chemistry

Client Sample ID: AOC-B/Field order#6/Eastwall#2

Lab Sample ID: 220-6615-1

Date Sampled: 09/19/2008 1320

Client Matrix: Solid

Date Received: 09/20/2008 1032

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.2		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217		Date Analyzed	09/22/2008 1614			
Percent Solids	88.8		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217		Date Analyzed	09/22/2008 1614			

Client Sample ID: AOC-B/Fied order#11/Bottom#1

Lab Sample ID: 220-6615-2

Date Sampled: 09/19/2008 1325

Client Matrix: Solid

Date Received: 09/20/2008 1032

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.70		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217		Date Analyzed	09/22/2008 1614			
Percent Solids	92.3		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217		Date Analyzed	09/22/2008 1614			

Client Sample ID: AOC-B/Field order#11/Bottom#3

Lab Sample ID: 220-6615-3

Date Sampled: 09/19/2008 1330

Client Matrix: Solid

Date Received: 09/20/2008 1032

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217		Date Analyzed	09/22/2008 1614			
Percent Solids	89.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217		Date Analyzed	09/22/2008 1614			

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6615-1

Sdg Number: 220-6615

General Chemistry

Client Sample ID: AOC-B/Field order#11/Southwall#1

Lab Sample ID: 220-6615-4

Date Sampled: 09/19/2008 1340

Client Matrix: Solid

Date Received: 09/20/2008 1032

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217	Date Analyzed		09/22/2008 1614			
Percent Solids	89.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217	Date Analyzed		09/22/2008 1614			

Client Sample ID: AOC-B/Field order#11/Westwall#1

Lab Sample ID: 220-6615-5

Date Sampled: 09/19/2008 1345

Client Matrix: Solid

Date Received: 09/20/2008 1032

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.85		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217	Date Analyzed		09/22/2008 1614			
Percent Solids	90.1		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20217	Date Analyzed		09/22/2008 1614			

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC B

Post Excavation Sampling

Compounds	Remediation Goals	AOC-B#1 East Wall	AOC-B#2 East Wall	AOC-B Bottom #1	AOC-B Bottom #2	AOC-B Bottom #3	AOC-B North Wall #1	AOC-B North Wall #2	AOC-B South Wall #1	AOC-B South Wall #2	AOC-B West Wall #1	AOC-B West Wall #2	AOC-B#2 East Wall	AOC-B Bottom #1	AOC-B Bottom #3	AOC-B South Wall #1	AOC-B South Wall #2	AOC-B West Wall #1	AOC-B North Wall #1	AOC-B Bottom #3 Field Order #27
benzo (a) anthracene	1 ppm	ND	0.014	0.007	ND	ND	ND	ND	ND	0.016	0.008	ND	NS	NS	NS	NS	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	0.099	0.1	0.084	ND	0.12	0.082	0.084	0.097	0.11	0.081	NS	NS	NS	NS	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	0.59	3.6	0.96	0.44	1.2	0.28	0.31	1.1	7.1	0.95	0.26	1	ND	2.8	3.6		0.64	NS	0.072
arsenic	13 ppm	7.8	8.8	13.1	7.6	10.5	17.7	8.6	10.8	9.7	10.4	11.5	NS	NS	NS	NS	NS	NS	9.3	NS
chromium	30 ppm	16.8	15.9	24.9	17.5	18.6	18.6	16.3	23.2	18.2	20.4	20.9	NS	NS	NS	NS	NS	NS	NS	NS
copper	50 ppm	14.7	12.6	18.7	14.1	14.2	15.3	13.8	19	14.9	14.8	14.1	NS	NS	NS	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	0.039	0.43	0.047	0.0074	0.0033	0.23	0.0031	0.012	0.031	0.107	0.161	NS	NS	NS	NS	NS	NS	NS	NS

ND = Non-Detect

Bold and Yellow = Exceedance

Red and Bold = 2nd time exceedance

NS=Not Sampled

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6736-1

Sdg Number: 220-6736

Client Sample ID: AOC-B/Field order #27/Bottom#3

Lab Sample ID: 220-6736-1

Date Sampled: 09/29/2008 1030

Client Matrix: Solid

% Moisture: 8.8

Date Received: 09/30/2008 0930

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

Method: 8270C

Analysis Batch: 220-20550

Instrument ID: HP 6890/5973 GC/MS

Preparation: 3541

Prep Batch: 220-20494

Lab File ID: Z7602.D

Dilution: 1.0

Initial Weight/Volume: 15.01 g

Date Analyzed: 09/30/2008 1831

Final Weight/Volume: 1.0 mL

Date Prepared: 09/30/2008 1007

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		72	J	36	1900

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	64	25 - 113
Terphenyl-d14	90	35 - 140
Phenol-d5	68	27 - 122
Nitrobenzene-d5	65	25 - 120
2-Fluorobiphenyl	66	32 - 131
2,4,6-Tribromophenol	76	24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6736-1

Sdg Number: 220-6736

General Chemistry

Client Sample ID: AOC-B/Field order #27/Bottom#3

Lab Sample ID: 220-6736-1

Date Sampled: 09/29/2008 1030

Client Matrix: Solid

Date Received: 09/30/2008 0930

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.84		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20528	Date Analyzed		09/30/2008 1652			
Percent Solids	91.2		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20528	Date Analyzed		09/30/2008 1652			

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC B

Post Excavation Sampling

Compounds	Remediation Goals	AOC-B#1 East Wall	AOC-B#2 East Wall	AOC-B Bottom #1	AOC-B Bottom #2	AOC-B Bottom #3	AOC-B North Wall #1	AOC-B North Wall #2	AOC-B South Wall #1	AOC-B South Wall #2	AOC-B West Wall #1	AOC-B West Wall #2	AOC-B#2 East Wall	AOC-B Bottom #1	AOC-B Bottom #3	AOC-B South Wall #1	AOC-B South Wall #2 Field Order#27	AOC-B West Wall #1	AOC-B North Wall #1
benzo (a) anthracene	1 ppm	ND	0.014	0.007	ND	ND	ND	ND	ND	0.016	0.008	ND	NS	NS	NS	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	0.099	0.1	0.084	ND	0.12	0.082	0.084	0.097	0.11	0.081	NS	NS	NS	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	0.59	3.6	0.96	0.44	1.2	0.28	0.31	1.1	7.1	0.95	0.26	1	ND	2.8	3.6	0.3	0.64	NS
arsenic	13 ppm	7.8	8.8	13.1	7.6	10.5	17.7	8.6	10.8	9.7	10.4	11.5	NS	NS	NS	NS	NS	NS	9.3
chromium	30 ppm	16.8	15.9	24.9	17.5	18.6	18.6	16.3	23.2	18.2	20.4	20.9	NS	NS	NS	NS	NS	NS	NS
copper	50 ppm	14.7	12.6	18.7	14.1	14.2	15.3	13.8	19	14.9	14.8	14.1	NS	NS	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	0.039	0.43	0.047	0.0074	0.0033	0.23	0.0031	0.012	0.031	0.107	0.161	NS	NS	NS	NS	NS	NS	NS

ND = Non-Detect

Bold and Yellow=

Exceedance

Red and Bold = 2nd time exceedance

NS=Not Sampled

AOC-B
Bottom #3
Field Order
#27
NS
NS
0.072
NS
NS
NS
NS

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6845-1

Sdg Number: 220-6845

Client Sample ID: AOC-B/Field order#27/Southwall

Lab Sample ID: 220-6845-1

Date Sampled: 10/08/2008 1530

Client Matrix: Solid

% Moisture: 13.7

Date Received: 10/09/2008 1000

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

Method: 8270C

Analysis Batch: 220-20887

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-20833

Lab File ID: C8209.D

Dilution: 1.0

Initial Weight/Volume: 15.01 g

Date Analyzed: 10/10/2008 1229

Final Weight/Volume: 1.0 mL

Date Prepared: 10/09/2008 1132

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		300	J	38	2000

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	74	25 - 113
Terphenyl-d14	71	35 - 140
Phenol-d5	73	27 - 122
Nitrobenzene-d5	66	25 - 120
2-Fluorobiphenyl	62	32 - 131
2,4,6-Tribromophenol	66	24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6845-1

Sdg Number: 220-6845

General Chemistry

Client Sample ID: AOC-B/Field order#27/Southwall

Lab Sample ID: 220-6845-1

Date Sampled: 10/08/2008 1530

Client Matrix: Solid

Date Received: 10/09/2008 1000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13.7		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20857		Date Analyzed	10/09/2008	1632		
Percent Solids	86.3		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20857		Date Analyzed	10/09/2008	1632		



OP-TECH Environmental Services, Inc



6392 Deere Road
Syracuse, NY 13206

Phone (315) 463 -1643 Fax (315) 463-9764

LETTER OF TRANSMITTAL

Date: August 11, 2008

Job No.

Attention: Michael Mason, PE

RE: Transmittal No. 037

TO: NYS Department of Environmental Conservation
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7017

Camp Georgetown Remedial Excavation

Contract No. D006614

WE ARE SENDING YOU: Attached Under a separate cover via _____ The following items:
 Shop Drawings Change Order Prints Plans Specifications
 Copy of Letter Samples Contract C.D. _____

COPIES	DATE	NUMBER	DESCRIPTION
1	August 11, 2008	1	AOC B East Wall Sampling Log
1	August 11, 2008	2	AOC B East Wall Analytical Data

THESE ARE TRANSMITTED as checked below:

<input type="checkbox"/> For Approval	<input type="checkbox"/> Resubmitt _____ Copies for Approval	<input type="checkbox"/> Approved as Submitted
<input checked="" type="checkbox"/> For Your Use	<input type="checkbox"/> Resubmit _____ Copies for distribution	<input type="checkbox"/> Approved as Noted
<input type="checkbox"/> As Requested	<input type="checkbox"/> Return _____ Corrected Prints	<input type="checkbox"/> Returned for Corrections
<input type="checkbox"/> For Review and Comment	<input type="checkbox"/> _____	<input type="checkbox"/> FOR BIDS DUE _____ 20__

Remarks:

Signed: _____
Tom Rengert - Project Manager

CC: _____

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 4989 Crumb Hill Road
 Georgetown, NY

AOC B

Post Excavation Sampling

Compounds	Remediation Goals	AOC-B#1 East Wall	AOC-B#2 East Wall									
benzo (a) anthracene	1 ppm	ND	0.014									
bis (2-ethylhexyl) phthalate	50 ppm	ND	0.099									
pentachlorophenol	0.8 ppm	0.59	3.6									
arsenic	13 ppm	7.8	8.8									
chromium	30 ppm	16.8	15.9									
copper	50 ppm	14.7	12.6									
2,3,7,8-TCDD TEQ	1 ppb	0.039	0.43									

ND = Non-Detect
 Bold and Yellow=
 Exceedance

ANALYTICAL REPORT

Job#: A08-9068

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



Richard J. Lafond
Project Manager

08/07/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8906801	AOC-B#1 EAST WALL	SOIL	07/25/2008	16:01	07/26/2008	09:15
A8906802	AOC-B#2 EAST WALL	SOIL	07/25/2008	16:12	07/26/2008	09:15

METHODS SUMMARY

Job#: A08-9068Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7471
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9068Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9068

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

The surrogate recovery for 2-Fluorobiphenyl was above the laboratory quality control limits for sample AOC-B#2 EAST WALL. Based on the laboratory SOP, one surrogate in either fraction (base/neutral or acid fraction) may have a recovery outside of the control limit.

The recovery of internal standard Acenaphthene-D1 was outside quality control limits for sample AOC-B#2 EAST WALL. However, the chromatogram shows clear evidence of matrix interference and all other quality control samples met acceptance criteria. Therefore, no further corrective action was performed and the data is accepted.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



THE LEADER IN ENVIRONMENTAL TESTING

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: AOC-B#1 EAST WALL
Lab Sample ID: A8906801
Date Collected: 07/25/2008
Time Collected: 16:01

Date Received: 07/26/2008
Project No: NY5A9454
Client No: 135066
Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
2,4,5-Trichlorophenol	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
2,4,6-Trichlorophenol	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
2,4-Dichlorophenol	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
2,4-Dimethylphenol	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
2,4-Dinitrophenol	ND		370	UG/KG	8270	08/04/2008	23:37	AJ
2,4-Dinitrotoluene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
2,6-Dinitrotoluene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
2-Chloronaphthalene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
2-Chlorophenol	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
2-Methylnaphthalene	340		190	UG/KG	8270	08/04/2008	23:37	AJ
2-Methylphenol	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
2-Nitroaniline	ND		370	UG/KG	8270	08/04/2008	23:37	AJ
2-Nitrophenol	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
3,3'-Dichlorobenzidine	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
3-Nitroaniline	ND		370	UG/KG	8270	08/04/2008	23:37	AJ
4,6-Dinitro-2-methylphenol	ND		370	UG/KG	8270	08/04/2008	23:37	AJ
4-Bromophenyl phenyl ether	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
4-Chloro-3-methylphenol	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
4-Chloroaniline	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
4-Chlorophenyl phenyl ether	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
4-Methylphenol	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
4-Nitroaniline	ND		370	UG/KG	8270	08/04/2008	23:37	AJ
4-Nitrophenol	ND		370	UG/KG	8270	08/04/2008	23:37	AJ
Acenaphthene	28	J	190	UG/KG	8270	08/04/2008	23:37	AJ
Acenaphthylene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Acetophenone	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Anthracene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Atrazine	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Benzaldehyde	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Benzo(a)anthracene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Benzo(a)pyrene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Benzo(b)fluoranthene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Benzo(ghi)perylene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Benzo(k)fluoranthene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Benzoic acid	ND		5400	UG/KG	8270	08/04/2008	23:37	AJ
Biphenyl	60	J	190	UG/KG	8270	08/04/2008	23:37	AJ
Bis(2-chloroethoxy) methane	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Bis(2-chloroethyl) ether	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Butyl benzyl phthalate	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Caprolactam	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Carbazole	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Chrysene	30	BJ	190	UG/KG	8270	08/04/2008	23:37	AJ
Di-n-butyl phthalate	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Di-n-octyl phthalate	170	J	190	UG/KG	8270	08/04/2008	23:37	AJ
Dibenzo(a,h)anthracene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Dibenzofuran	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Diethyl phthalate	ND		190	UG/KG	8270	08/04/2008	23:37	AJ

Sample ID: AOC-B#1 EAST WALL
 Lab Sample ID: A8906801
 Date Collected: 07/25/2008
 Time Collected: 16:01

Date Received: 07/26/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Fluoranthene	11	J	190	UG/KG	8270	08/04/2008	23:37	AJ
Fluorene	96	J	190	UG/KG	8270	08/04/2008	23:37	AJ
Hexachlorobenzene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Hexachlorobutadiene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Hexachlorocyclopentadiene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Hexachloroethane	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Indeno(1,2,3-cd)pyrene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Isophorone	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
N-Nitroso-Di-n-propylamine	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
N-nitrosodiphenylamine	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Naphthalene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Nitrobenzene	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Pentachlorophenol	590		370	UG/KG	8270	08/04/2008	23:37	AJ
Phenanthrene	260		190	UG/KG	8270	08/04/2008	23:37	AJ
Phenol	ND		190	UG/KG	8270	08/04/2008	23:37	AJ
Pyrene	28	J	190	UG/KG	8270	08/04/2008	23:37	AJ
Metals Analysis								
Aluminum - Total	12100		11.3	MG/KG	6010	08/01/2008	01:57	TWS
Antimony - Total	ND		17.0	MG/KG	6010	08/01/2008	01:57	TWS
Arsenic - Total	7.8		2.3	MG/KG	6010	08/01/2008	01:57	TWS
Barium - Total	67.9		0.56	MG/KG	6010	08/01/2008	01:57	TWS
Beryllium - Total	0.47		0.23	MG/KG	6010	08/01/2008	01:57	TWS
Cadmium - Total	ND		0.23	MG/KG	6010	08/01/2008	01:57	TWS
Calcium - Total	2600		56.6	MG/KG	6010	08/01/2008	01:57	TWS
Chromium - Total	16.8		0.56	MG/KG	6010	08/01/2008	01:57	TWS
Cobalt - Total	11.1		0.56	MG/KG	6010	08/01/2008	01:57	TWS
Copper - Total	14.7		1.1	MG/KG	6010	08/01/2008	01:57	TWS
Iron - Total	25600		11.3	MG/KG	6010	08/01/2008	01:57	TWS
Lead - Total	9.7		1.1	MG/KG	6010	08/01/2008	01:57	TWS
Magnesium - Total	3970		22.6	MG/KG	6010	08/01/2008	01:57	TWS
Manganese - Total	423		0.23	MG/KG	6010	08/01/2008	01:57	TWS
Mercury - Total	ND		0.022	MG/KG	7471	07/29/2008	18:34	MM
Nickel - Total	26.3		0.56	MG/KG	6010	08/01/2008	01:57	TWS
Potassium - Total	927		34.0	MG/KG	6010	08/01/2008	01:57	TWS
Selenium - Total	ND		4.5	MG/KG	6010	08/01/2008	01:57	TWS
Silver - Total	ND		0.56	MG/KG	6010	08/01/2008	01:57	TWS
Sodium - Total	ND		158	MG/KG	6010	08/01/2008	01:57	TWS
Thallium - Total	ND		6.8	MG/KG	6010	08/01/2008	01:57	TWS
Vanadium - Total	15.5		0.56	MG/KG	6010	08/01/2008	01:57	TWS
Zinc - Total	54.5		2.3	MG/KG	6010	08/01/2008	01:57	TWS

Sample ID: AOC-B#2 EAST WALL
Lab Sample ID: A8906802
Date Collected: 07/25/2008
Time Collected: 16:12Date Received: 07/26/2008
Project No: NY5A9454
Client No: 135066
Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
2,4,5-Trichlorophenol	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
2,4,6-Trichlorophenol	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
2,4-Dichlorophenol	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
2,4-Dimethylphenol	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
2,4-Dinitrophenol	ND		380	UG/KG	8270	08/05/2008	00:00	AJ
2,4-Dinitrotoluene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
2,6-Dinitrotoluene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
2-Chloronaphthalene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
2-Chlorophenol	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
2-Methylnaphthalene	4000		200	UG/KG	8270	08/05/2008	00:00	AJ
2-Methylphenol	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
2-Nitroaniline	ND		380	UG/KG	8270	08/05/2008	00:00	AJ
2-Nitrophenol	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
3,3'-Dichlorobenzidine	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
3-Nitroaniline	ND		380	UG/KG	8270	08/05/2008	00:00	AJ
4,6-Dinitro-2-methylphenol	ND		380	UG/KG	8270	08/05/2008	00:00	AJ
4-Bromophenyl phenyl ether	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
4-Chloro-3-methylphenol	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
4-Chloroaniline	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
4-Chlorophenyl phenyl ether	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
4-Methylphenol	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
4-Nitroaniline	ND		380	UG/KG	8270	08/05/2008	00:00	AJ
4-Nitrophenol	ND		380	UG/KG	8270	08/05/2008	00:00	AJ
Acenaphthene	290		200	UG/KG	8270	08/05/2008	00:00	AJ
Acenaphthylene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Acetophenone	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Anthracene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Atrazine	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Benzaldehyde	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Benzo(a)anthracene	14	J	200	UG/KG	8270	08/05/2008	00:00	AJ
Benzo(a)pyrene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Benzo(b)fluoranthene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Benzo(ghi)perylene	9	J	200	UG/KG	8270	08/05/2008	00:00	AJ
Benzo(k)fluoranthene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Benzoic acid	ND		5500	UG/KG	8270	08/05/2008	00:00	AJ
Biphenyl	720		200	UG/KG	8270	08/05/2008	00:00	AJ
Bis(2-chloroethoxy) methane	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Bis(2-chloroethyl) ether	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Bis(2-ethylhexyl) phthalate	99	J	200	UG/KG	8270	08/05/2008	00:00	AJ
Butyl benzyl phthalate	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Caprolactam	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Carbazole	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Chrysene	44	BJ	200	UG/KG	8270	08/05/2008	00:00	AJ
Di-n-butyl phthalate	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Di-n-octyl phthalate	170	J	200	UG/KG	8270	08/05/2008	00:00	AJ
Dibenzo(a,h)anthracene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Dibenzofuran	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Diethyl phthalate	ND		200	UG/KG	8270	08/05/2008	00:00	AJ

Sample ID: AOC-B#2 EAST WALL
Lab Sample ID: A8906802
Date Collected: 07/25/2008
Time Collected: 16:12

Date Received: 07/26/2008
Project No: NY5A9454
Client No: 135066
Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Fluoranthene	76	J	200	UG/KG	8270	08/05/2008	00:00	AJ
Fluorene	820		200	UG/KG	8270	08/05/2008	00:00	AJ
Hexachlorobenzene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Hexachlorobutadiene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Hexachlorocyclopentadiene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Hexachloroethane	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Indeno(1,2,3-cd)pyrene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Isophorone	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
N-Nitroso-Di-n-propylamine	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
N-nitrosodiphenylamine	1000		200	UG/KG	8270	08/05/2008	00:00	AJ
Naphthalene	560		200	UG/KG	8270	08/05/2008	00:00	AJ
Nitrobenzene	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Pentachlorophenol	3600		380	UG/KG	8270	08/05/2008	00:00	AJ
Phenanthrene	1300		200	UG/KG	8270	08/05/2008	00:00	AJ
Phenol	ND		200	UG/KG	8270	08/05/2008	00:00	AJ
Pyrene	160	J	200	UG/KG	8270	08/05/2008	00:00	AJ
Metals Analysis								
Aluminum - Total	11300		12.0	MG/KG	6010	08/01/2008	02:03	TWS
Antimony - Total	ND		18.0	MG/KG	6010	08/01/2008	02:03	TWS
Arsenic - Total	8.8		2.4	MG/KG	6010	08/01/2008	02:03	TWS
Barium - Total	53.5		0.60	MG/KG	6010	08/01/2008	02:03	TWS
Beryllium - Total	0.46		0.24	MG/KG	6010	08/01/2008	02:03	TWS
Cadmium - Total	ND		0.24	MG/KG	6010	08/01/2008	02:03	TWS
Calcium - Total	1540		60.1	MG/KG	6010	08/01/2008	02:03	TWS
Chromium - Total	15.9		0.60	MG/KG	6010	08/01/2008	02:03	TWS
Cobalt - Total	10.5		0.60	MG/KG	6010	08/01/2008	02:03	TWS
Copper - Total	12.6		1.2	MG/KG	6010	08/01/2008	02:03	TWS
Iron - Total	24400		12.0	MG/KG	6010	08/01/2008	02:03	TWS
Lead - Total	10.4		1.2	MG/KG	6010	08/01/2008	02:03	TWS
Magnesium - Total	3790		24.0	MG/KG	6010	08/01/2008	02:03	TWS
Manganese - Total	299		0.24	MG/KG	6010	08/01/2008	02:03	TWS
Mercury - Total	ND		0.023	MG/KG	7471	07/29/2008	18:36	MM
Nickel - Total	24.2		0.60	MG/KG	6010	08/01/2008	02:03	TWS
Potassium - Total	920		36.0	MG/KG	6010	08/01/2008	02:03	TWS
Selenium - Total	ND		4.8	MG/KG	6010	08/01/2008	02:03	TWS
Silver - Total	ND		0.60	MG/KG	6010	08/01/2008	02:03	TWS
Sodium - Total	ND		168	MG/KG	6010	08/01/2008	02:03	TWS
Thallium - Total	ND		7.2	MG/KG	6010	08/01/2008	02:03	TWS
Vanadium - Total	14.6		0.60	MG/KG	6010	08/01/2008	02:03	TWS
Zinc - Total	52.2		2.4	MG/KG	6010	08/01/2008	02:03	TWS

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client OP-Tech		Project Manager Tom Rengert		Date 7/25/08	Chain of Custody Number 395146
Address 6392 Deere Rd		Telephone Number (Area Code)/Fax Number		Lab Number	Page 1 of 1

City SYRACUSE	State NY	Zip Code 13206	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State) Camp Georgetown / Post excavation samples			Carrier/Waybill Number		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					8270C (svac)	Metals	5010B	Dioxins	Dioxins/Furans - PCDDs - PCDF	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH							
AOC-B#1 EAST wall	7/25/08	4:01 PM				X		2					X	X	X	X	X		
ROC-B#2 EAST wall	7/25/08	4:12 PM				X		2					X	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): **Category A**

1. Relinquished By Steve McCreath	Date 7/25/08	Time 17:20	1. Received By Joe Small	Date 7/25/08	Time 17:20
2. Relinquished By Joe Small	Date 7/25/08	Time 18:35	2. Received By T. R. English	Date 07/25/08	Time 18:35
3. Relinquished By T. R. English	Date 07/25/08	Time 20:00	3. Received By [Signature]	Date 7-26-08	Time 09:15

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client OP-TECH ENV. SVS		Project Manager TOM Rengert		Date 7/25/08	Chain of Custody Number 395145
Address 6392 Deerc Rd		Telephone Number (Area Code)/Fax Number 315-837-4977		Lab Number	Page _____ of _____

City Syracuse	State NY	Zip Code	Site Contact JOE Farrell	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) Camp Georgetown			Carrier/Waybill Number			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis	Special Instructions/ Conditions of Receipt
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		
72508 JB - A upwind	7/25/08	07:20 1630	✓										✓	230x540 = 124200
72508 JB - B upwind	7/25/08	0730 1640	✓										✓	230x540 = 124200
72508 JB - C "	7/25/08	0800	✓										✓	230x525 = 120750
72508 JB - D Downwind	7/25/08	0830	✓										✓	230x500 = 11500

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	

1. Relinquished By <i>[Signature]</i>	Date 7/25/08	Time 18:35	1. Received By <i>RENGERT</i>	Date 07/25/08	Time 18:55
2. Relinquished By <i>RENGERT</i>	Date 07/25/08	Time 20:00	2. Received By <i>[Signature]</i>	Date 7/26/08	Time 09:15
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 2000

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

13/13

OP-TECH Environmental

Client Sample ID: AOC-B#1 EAST WALL

Trace Level Organic Compounds

Lot-Sample #...: G8G260186-001 Work Order #...: KR8FF1AC Matrix.....: SOLID
 Date Sampled...: 07/25/08 Date Received...: 07/26/08
 Prep Date.....: 07/28/08 Analysis Date...: 07/31/08
 Prep Batch #...: 8210451
 Dilution Factor: 1
 % Moisture.....: 12

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.9	pg/g	SW846 8290
Total TCDD	ND	1.9	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	3.5	pg/g	SW846 8290
Total PeCDD	ND	3.5	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.6	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	27		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	5.2	pg/g	SW846 8290
Total HxCDD	65		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	1400		pg/g	SW846 8290
Total HpCDD	2400		pg/g	SW846 8290
OCDD	19000 E		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.3	pg/g	SW846 8290
Total TCDF	5.3		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	2.3	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.5	pg/g	SW846 8290
Total PeCDF	ND	2.5	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	2.9	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	2.4	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	2.7	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	3.0	pg/g	SW846 8290
Total HxCDF	ND	3.0	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	150		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	15		pg/g	SW846 8290
Total HpCDF	1000		pg/g	SW846 8290
OCDF	1600		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	62	(40 - 135)
13C-1,2,3,7,8-PeCDD	49	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	72	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	61	(40 - 135)
13C-OCDD	68	(40 - 135)
13C-2,3,7,8-TCDF	59	(40 - 135)
13C-1,2,3,7,8-PeCDF	44	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	58	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	59	(40 - 135)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

OP-TECH Environmental

Client Sample ID: AOC-B#2 EAST WALL

Trace Level Organic Compounds

Lot-Sample #....: G8G260186-002 Work Order #....: KR8FG1AC Matrix.....: SOLID
 Date Sampled....: 07/25/08 Date Received...: 07/26/08
 Prep Date.....: 07/28/08 Analysis Date...: 07/31/08
 Prep Batch #....: 8210451
 Dilution Factor: 1
 % Moisture.....: 11

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.9	pg/g	SW846 8290
Total TCDD	ND	1.9	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	4.2	pg/g	SW846 8290
Total PeCDD	ND	4.2	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.1	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	340		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	49		pg/g	SW846 8290
Total HxCDD	750		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	20000 D		pg/g	SW846 8290
Total HpCDD	30000 D		pg/g	SW846 8290
OCDD	130000 E,D		pg/g	SW846 8290
2,3,7,8-TCDF	ND CON		pg/g	SW846 8290
Total TCDF	63		pg/g	SW846 8290
1,2,3,7,8-PeCDF	6.9 J		pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	6.2	pg/g	SW846 8290
Total PeCDF	42		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	56		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	26		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	16		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.7	pg/g	SW846 8290
Total HxCDF	2000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	2000		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	150		pg/g	SW846 8290
Total HpCDF	12000		pg/g	SW846 8290
OCDF	25000 D		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	(40 - 135)
13C-1,2,3,7,8-PeCDD	94	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	100	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	63	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	86	(40 - 135)
13C-1,2,3,7,8-PeCDF	88	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

(Continued on next page)

OP-TECH Environmental

Client Sample ID: AOC-B#2 EAST WALL

Trace Level Organic Compounds

Lot-Sample #...: G8G260186-002 Work Order #...: KR8FG1AC Matrix.....: SOLID

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

E Estimated result. Result concentration exceeds the calibration range.

CON Confirmation analysis.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-B#1 EAST WALL

General Chemistry

Lot-Sample #...: G8G260186-001 Work Order #...: KR8FF Matrix.....: SOLID
Date Sampled...: 07/25/08 Date Received...: 07/26/08
% Moisture.....: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	11.9	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212189
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-B#2 EAST WALL

General Chemistry

Lot-Sample #...: G8G260186-002 Work Order #...: KR8FG Matrix.....: SOLID
Date Sampled...: 07/25/08 Date Received...: 07/26/08
% Moisture.....: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	11.3	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212189
		Dilution Factor: 1		MDL.....: 0.10		

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8G260186 Work Order #...: KR9QN1AA Matrix.....: SOLID
 MB Lot-Sample #: G8G280000-451
 Prep Date.....: 07/28/08
 Analysis Date...: 07/31/08 Prep Batch #...: 8210451
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
2,3,7,8-TCDD	ND	0.93	pg/g	SW846 8290
Total TCDD	ND	0.93	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	1.8	pg/g	SW846 8290
Total PeCDD	ND	1.8	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	2.1	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	1.6	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	1.6	pg/g	SW846 8290
Total HxCDD	ND	2.1	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	2.1	pg/g	SW846 8290
Total HpCDD	ND	2.1	pg/g	SW846 8290
OCDD	ND	4.7	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.61	pg/g	SW846 8290
Total TCDF	ND	0.61	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	1.1	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	1.2	pg/g	SW846 8290
Total PeCDF	ND	1.2	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	1.4	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	1.2	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	1.4	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.5	pg/g	SW846 8290
Total HxCDF	ND	1.5	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	1.1	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	1.4	pg/g	SW846 8290
Total HpCDF	ND	1.4	pg/g	SW846 8290
OCDF	ND	4.8	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	66	(40 - 135)
13C-1,2,3,7,8-PeCDD	46	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	58	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	40	(40 - 135)
13C-OCDD	24 *	(40 - 135)
13C-2,3,7,8-TCDF	60	(40 - 135)
13C-1,2,3,7,8-PeCDF	46	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	48	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	44	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #....: G8G260186 Work Order #....: KR9QN1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8G280000-451
 Prep Date.....: 07/28/08 Analysis Date...: 07/31/08
 Prep Batch #....: 8210451
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	110	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	124	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	121	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	123	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	118	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	120	(82 - 134)	SW846 8290
OCDD	132	(74 - 144)	SW846 8290
2,3,7,8-TCDF	109	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	122	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	120	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	128	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	130	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	128	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	132	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	127	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	120	(78 - 130)	SW846 8290
OCDF	116	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	75	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	80	(40 - 135)
13C-OCDD	82	(40 - 135)
13C-2,3,7,8-TCDF	88	(40 - 135)
13C-1,2,3,7,8-PeCDF	61	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	79	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #....: G8G260186 Work Order #....: KR9QN1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8G280000-451
 Prep Date.....: 07/28/08 Analysis Date...: 07/31/08
 Prep Batch #....: 8210451
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	22.0	pg/g	110	SW846 8290
1,2,3,7,8-PeCDD	100	124	pg/g	124	SW846 8290
1,2,3,4,7,8-HxCDD	100	121	pg/g	121	SW846 8290
1,2,3,6,7,8-HxCDD	100	123	pg/g	123	SW846 8290
1,2,3,7,8,9-HxCDD	100	118	pg/g	118	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	120	pg/g	120	SW846 8290
OCDD	200	263	pg/g	132	SW846 8290
2,3,7,8-TCDF	20.0	21.9	pg/g	109	SW846 8290
1,2,3,7,8-PeCDF	100	122	pg/g	122	SW846 8290
2,3,4,7,8-PeCDF	100	120	pg/g	120	SW846 8290
1,2,3,4,7,8-HxCDF	100	128	pg/g	128	SW846 8290
1,2,3,6,7,8-HxCDF	100	130	pg/g	130	SW846 8290
2,3,4,6,7,8-HxCDF	100	128	pg/g	128	SW846 8290
1,2,3,7,8,9-HxCDF	100	132	pg/g	132	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	127	pg/g	127	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	120	pg/g	120	SW846 8290
OCDF	200	232	pg/g	116	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	75	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	80	(40 - 135)
13C-OCDD	82	(40 - 135)
13C-2,3,7,8-TCDF	88	(40 - 135)
13C-1,2,3,7,8-PeCDF	61	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	79	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G8G260186

Work Order #...: KR2WP-SMP
KR2WP-DUP

Matrix.....: SOLID

Date Sampled...: 07/21/08

Date Received...: 07/23/08

% Moisture.....: 47

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Moisture	46.6	51.6	%	10	(0-20)	ASTM D 2216-90	SD Lot-Sample #: G8G230246-001 07/30-07/31/08	8212189

Dilution Factor: 1

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B#1 EAST WALL

Lot-Sample #...: G8G260186 - 001
 Date Sampled...: 07/25/08
 Prep Date.....: 07/28/08
 Prep Batch #...: 8210451

Work Order #...: KR8FF1AC
 Date Received..: 07/26/08
 Analysis Date..: 07/31/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 12

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.9	1.000	0
Total TCDD	ND	1.9		0
1,2,3,7,8-PeCDD	ND	3.5	0.500	0
Total PeCDD	ND	3.5		0
1,2,3,4,7,8-HxCDD	ND	3.6	0.100	0
1,2,3,6,7,8-HxCDD	27		0.100	2.7000
1,2,3,7,8,9-HxCDD	ND	5.2	0.100	0
Total HxCDD	65			
1,2,3,4,6,7,8-HpCDD	1400		0.010	14.0000
Total HpCDD	2400			
OCDD	19000	E	0.001	19.0000
2,3,7,8-TCDF	ND	1.3	0.100	0
Total TCDF	5.3			
1,2,3,7,8-PeCDF	ND	2.3	0.050	0
2,3,4,7,8-PeCDF	ND	2.5	0.500	0
Total PeCDF	ND	2.5		0
1,2,3,4,7,8-HxCDF	ND	2.9	0.100	0
1,2,3,6,7,8-HxCDF	ND	2.4	0.100	0
2,3,4,6,7,8-HxCDF	ND	2.7	0.100	0
1,2,3,7,8,9-HxCDF	ND	3.0	0.100	0
Total HxCDF	ND	3.0		0
1,2,3,4,6,7,8-HpCDF	150		0.010	1.5000
1,2,3,4,7,8,9-HpCDF	15		0.010	0.1500
Total HpCDF	1000			
OCDF	1600		0.001	1.6000
Total TEQ Concentration				38.9500

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	62	40 - 135
13C-1,2,3,7,8-PeCDD	49	40 - 135
13C-1,2,3,6,7,8-HxCDD	72	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	61	40 - 135
13C-OCDD	68	40 - 135
13C-2,3,7,8-TCDF	59	40 - 135
13C-1,2,3,7,8-PeCDF	44	40 - 135
13C-1,2,3,4,7,8-HxCDF	58	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	59	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/675/R-89/016

E Estimated result. Result concentration exceeds the calibration range.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-B#2 EAST WALL

Lot-Sample #...: G8G260186 - 002
 Date Sampled...: 07/25/08
 Prep Date.....: 07/28/08
 Prep Batch #...: 8210451

Work Order #...: KR8FG1AC
 Date Received...: 07/26/08
 Analysis Date...: 07/31/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 11

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.9	1.000	0
Total TCDD	ND	1.9		0
1,2,3,7,8-PeCDD	ND	4.2	0.500	0
Total PeCDD	ND	4.2		0
1,2,3,4,7,8-HxCDD	ND	3.1	0.100	0
1,2,3,6,7,8-HxCDD	340		0.100	34.0000
1,2,3,7,8,9-HxCDD	49		0.100	4.9000
Total HxCDD	750			
1,2,3,4,6,7,8-HpCDD	20000 D		0.010	200.0000
Total HpCDD	30000 D			
OCDD	130000 E D		0.001	130.0000
2,3,7,8-TCDF	ND CON		0.100	0
Total TCDF	63			
1,2,3,7,8-PeCDF	6.9 J		0.050	0.3500
2,3,4,7,8-PeCDF	ND	6.2	0.500	0
Total PeCDF	42			
1,2,3,4,7,8-HxCDF	56		0.100	5.6000
1,2,3,6,7,8-HxCDF	26		0.100	2.6000
2,3,4,6,7,8-HxCDF	16		0.100	1.6000
1,2,3,7,8,9-HxCDF	ND	2.7	0.100	0
Total HxCDF	2000			
1,2,3,4,6,7,8-HpCDF	2000		0.010	20.0000
1,2,3,4,7,8,9-HpCDF	150		0.010	1.5000
Total HpCDF	12000			
OCDF	25000 D		0.001	25.0000
Total TEQ Concentration				425.5500

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	40 - 135
13C-1,2,3,7,8-PeCDD	94	40 - 135
13C-1,2,3,6,7,8-HxCDD	100	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	63	40 - 135
13C-OCDD	89	40 - 135
13C-2,3,7,8-TCDF	86	40 - 135
13C-1,2,3,7,8-PeCDF	88	40 - 135
13C-1,2,3,4,7,8-HxCDF	85	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 135

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)
Client Sample ID: AOC-B#2 EAST WALL

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

- CON Confirmation analysis.
- D Result was obtained from the analysis of a dilution.
- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 4989 Crumb Hill Road
 Georgetown, NY

AOC-C

Post Excavation Sampling
 TOTAL SAMPLES =

15

Compounds	Remediation Goals	AOC-C Bottom	AOC-C East Wall	AOC-C North Wall	AOC-C South Wall	AOC-C West Wall	AOC-C North Wall-Field Order#7	AOC-C East Wall-Field Order#7	AOC-C Bottom - Field Order#7	AOC-C South Wall -Field Order#7	AOC-C Field Order#14 Bottom	AOC-C Field Order#14 Bottom	AOC-C Field Order#32 Bottom1	AOC-C Field Order#32 Bottom2	AOC-C Field Order#36 Bottom1	AOC-C Field Order#36 Bottom2
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	NA	NA	NA	NA	8	NA	NA	NA	NA	NA
bis (2-ethylhexyl) phthalate	50 ppm	.060 ppm	0.09	0.07	ND	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
pentachlorophenol	0.8 ppm	0.1 ppm	4.5 ppm	6.4 ppm	0.34 ppm	ND	6.6	0.41	NA	NA	12	4.3	3.3	9.8	2	ND
arsenic	13 ppm	18.9 ppm	20.3 ppm	19.3 ppm	37.2 ppm	13.2 ppm	11.3	8.7	8.6	8.4	13.7	9.8	NA	NA	NA	NA
chromium	30 ppm	27.1 ppm	24.9 ppm	20.1 ppm	21 ppm	18.2 ppm	NA	NA	NA	NA	24.7	NA	NA	NA	NA	NA
copper	50 ppm	15.7 ppm	15.8 ppm	16.7 ppm	29.3 ppm	15 ppm	NA	NA	NA	NA	17.7	NA	NA	NA	NA	NA
2,3,7,8-TCDD TEQ	1 ppb	0.27 ppb	5.6 ppb	2.3ppb	0.22 ppb	0.032 ppb	3.28	0.051	NA	NA	0.951	NA	NA	NA	NA	NA

ND = Non-Detect
 Bold and Yellow= Exceedance
 BDL = Below Detection Limit

NA=Not Analyzed Per Field Order

Red= 2nd time exceedance **Blue**= Field Order 14 Exceedance Green=Field Order 21 exceedance Orange=Field Order 32 exceedance

ANALYTICAL REPORT

Job#: A08-B710

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Georgetown - Level IV

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

TestAmerica Laboratories Inc.

Richard J. Lafond
Project Manager

09/29/2008

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



TestAmerica Buffalo Current Certifications

As of 7/16/2008

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, 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 required under 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.

Sample Data Summary Package

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8B71001	AOC-C BOTTOM	SOIL	09/23/2008	15:20	09/24/2008	09:00

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-B710Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Arsenic - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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SDG NARRATIVE

Job#: A08-B710Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-B710

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Richard J. Lafond
Project Manager

Date

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: TESTAMERICA LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
AOC-C BOTTOM	A8B71001	-	-	-	-	SW8463	-	-

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
AOC-C BOTTOM	SOIL	Total AS	09/24/2008	09/25/2008	09/26/2008

NYSDEC-5

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: TESTAMERICA LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
AOC-C BOTTOM	SOIL	SW8463	SW8463	AS REQUIRED	AS REQUIRED

NYSDEC-7

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- † Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

TESTAMERICA LABORATORIES INC.

OP - TECH Environmental

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: OP - TECH Environmental

SDG No.: A08-B710

Method Type:

Sample ID: A8B71001

Client ID: AOC-C BOTTOM

Matrix: SOIL

Date Received: 9/24/2008

Date Collected: 9/23/2008

Level: LOW

% Solids: 89

Sample Wt/Vol: 0.5

Final Vol: 50.0

Prep Batch ID: A8B22954

Prep Date: 9/25/2008

Analyte	Concentration Units	C	Qual	RL	RL	Dil	Analytical		Instrument	Run	M
							Date	Time			
Arsenic	9.8 mg/Kg			2.4	2.4	1	9/26/2008	00:19	SUPERTRACE	2092508	P

Comments:

OP - TECH Environmental

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: OP - TECH Environmental

SDG No.: A08-B710

Contract: CN05-012

Lab Code: TALBFLO

Case No.:

SAS No.:

Sample ID	Analyte	Result ug/L	Conc Qual	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
ICB	Arsenic	10.000	U	10.000	10.000	P	9/25/2008	20:27	SUPERTRACE	2092508
CCB	Arsenic	10.000	U	10.000	10.000	P	9/25/2008	20:55	SUPERTRACE	2092508
CCB	Arsenic	10.000	U	10.000	10.000	P	9/25/2008	21:58	SUPERTRACE	2092508
CCB	Arsenic	10.000	U	10.000	10.000	P	9/25/2008	23:05	SUPERTRACE	2092508
CCB	Arsenic	10.000	U	10.000	10.000	P	9/26/2008	00:09	SUPERTRACE	2092508
CCB	Arsenic	10.000	U	10.000	10.000	P	9/26/2008	01:13	SUPERTRACE	2092508

OP - TECH Environmental
 - 3b -
 PREPARATION BLANK SUMMARY

Client: OP - TECH Environmental

SDG No.: A08-B710

Contract: CN05-012

Lab Code: TALBFLO

Case No.: _____

SAS No.: _____

Sample ID	Analyte	Result (mg/Kg)	Conc Qual	Q	RL	RL	M	Analysis Date	Analysis Time	Instrument	Run
AD854944-09/25/08		SOIL									
	Arsenic	2.000	U		2.000	2.000	P	9/25/2008	23:10	SUPERTRACE	2092508

Sample Data Package

SDG Narrative

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8B71001	AOC-C BOTTOM	SOIL	09/23/2008	15:20	09/24/2008	09:00

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METHODS SUMMARY

Job#: A08-B710Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Arsenic - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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SDG NARRATIVE

Job#: A08-B710Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

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Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-B710

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Metals Data

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Richard J. Lafond
Project Manager

Date

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Chain of Custody Documentation

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client OP-Tech		Project Manager Tom Rengert		Date 9/23/08	Chain of Custody Number 391102
Address 6392 Deere Rd		Telephone Number (Area Code)/Fax Number		Lab Number	Page 1 of 1

City SYRACUSE	State NY	Zip Code 13206	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State) Camp George town / Post Remediation			Carrier/Waybill Number		

Contract/Purchase Order/Quote No. SDCR0011	Matrix	Containers & Preservatives	Special Instructions/Conditions of Receipt
------------------------------------------------------	--------	----------------------------	--------------------------------------------

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						PCP (Rush)	Dioxins	Arsenic	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
AOC-E Bottom #1/Field order #23	9/23	9:50				X								X		
AOC-F Northwest wall #1/Field order #19	9/23	10:00				X								X		
AOC-F South wall #1/Field order #19	9/23	1:49				X								X		
AOC-F Bottom #1/Field order #19	9/23	2:22				X								X		
AOC-F Bottom #2/Field order #19	9/23	3:10				X								X		
AOC-C Bottom/Field order #14/#21	9/23	3:20				X								X	X	

*Please Hold Dioxin Sample

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other Rush For PCP	Category B

1. Relinquished By <i>Steve McCarty</i>	Date 9/23/08	Time 16:15	1. Received By <i>Almond R</i>	Date 9/23/08	Time 18:15
2. Relinquished By <i>Almond R</i>	Date 9/23/08	Time 19:00	2. Received By <i>[Signature]</i>	Date 9/23/08	Time 09:00
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: **2-07**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

22/233

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 4989 Crumb Hill Road
 Georgetown, NY

AOC-C

Post Excavation Sampling

Compounds	Remediation Goals	AOC-C Bottom	AOC-C East Wall	AOC-C North Wall	AOC-C South Wall	AOC-C West Wall	AOC-C North Wall-Field Order#7	AOC-C East Wall-Field Order#7	AOC-C Bottom -Field Order#7	AOC-C South Wall-Field Order#7	AOC-C Field Order#14 Botom	AOC-C Field Order#14 Bottom
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	NA	NA	NA	NA	8	NA
bis (2-ethylhexyl) phthalate	50 ppm	.060 ppm	0.09	0.07	ND	ND	NA	NA	NA	NA	ND	NA
pentachlorophenol	0.8 ppm	0.1 ppm	4.5 ppm	6.4 ppm	0.34 ppm	ND	6.6	0.41	NA	NA	12	4.3
arsenic	13 ppm	18.9 ppm	20.3 ppm	19.3 ppm	37.2 ppm	13.2 ppm	11.3	8.7	8.6	8.4	13.7	9.8
chromium	30 ppm	27.1 ppm	24.9 ppm	20.1 ppm	21 ppm	18.2 ppm	NA	NA	NA	NA	24.7	NA
copper	50 ppm	15.7 ppm	15.8 ppm	16.7 ppm	29.3 ppm	15 ppm	NA	NA	NA	NA	17.7	NA
2,3,7,8-TCDD TEQ	1 ppb	0.27 ppb	5.6 ppb	2.3ppb	0.22 ppb	0.032 ppb	3.28	0.051	NA	NA	0.951	NA

ND = Non-Detect
 Bold and Yellow=
 Exceedance

NA=Not Analyzed Per Field
 Order

Red= 2nd time exceedance

Blue= Field Order 14 Exceedance

Green=Field Order 21 exceedance

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 4989 Crumb Hill Road
 Georgetown, NY

AOC-C

Post Excavation Sampling

Compounds	Remediation Goals	AOC-C Bottom	AOC-C East Wall	AOC-C North Wall	AOC-C South Wall	AOC-C West Wall	AOC-C North Wall-Field Order#7	AOC-C East Wall-Field Order#7	AOC-C Bottom -Field Order#7	AOC-C South Wall -Field Order#7	AOC-C Field Order#14 Botom	AOC-C Field Order#14 Bottom	AOC-C Field Order#32 Botom1	AOC-C Field Order#32 Bottom2	AOC-C Field Order#32 Botom1	AOC-C Field Order#32 Bottom2
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	NA	NA	NA	NA	8	NA	NA	NA	NA	NA
bis (2-ethylhexyl) phthalate	50 ppm	.060 ppm	0.09	0.07	ND	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
pentachlorophenol	0.8 ppm	0.1 ppm	4.5 ppm	6.4 ppm	0.34 ppm	ND	6.6	0.41	NA	NA	12	4.3	3.3	9.8	2	ND
arsenic	13 ppm	18.9 ppm	20.3 ppm	19.3 ppm	37.2 ppm	13.2 ppm	11.3	8.7	8.6	8.4	13.7	9.8	NA	NA	NA	NA
chromium	30 ppm	27.1 ppm	24.9 ppm	20.1 ppm	21 ppm	18.2 ppm	NA	NA	NA	NA	24.7	NA	NA	NA	NA	NA
copper	50 ppm	15.7 ppm	15.8 ppm	16.7 ppm	29.3 ppm	15 ppm	NA	NA	NA	NA	17.7	NA	NA	NA	NA	NA
2,3,7,8-TCDD TEQ	1 ppb	0.27 ppb	5.6 ppb	2.3ppb	0.22 ppb	0.032 ppb	3.28	0.051	NA	NA	0.951	NA	NA	NA	NA	NA

ND = Non-Detect
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 Exceedance

NA=Not Analyzed Per Field
 Order

Red= 2nd time exceedance

Blue= Field Order 14 Exceedance

Green=Field Order 21 exceedance

Orange=Field Order 32 exceedance

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6877-1

Sdg Number: 220-6877

Client Sample ID: AOC-C/TEST PIT#36FIELD ORDER#36 (BOTTOM #1)

Lab Sample ID: 220-6877-2

Date Sampled: 10/10/2008 0000

Client Matrix: Solid

% Moisture: 11.0

Date Received: 10/11/2008 1040

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

Method: 8270C

Analysis Batch: 220-21002

Instrument ID: HP 6890/5973 GC/MS

Preparation: 3541

Prep Batch: 220-20925

Lab File ID: Z7855.D

Dilution: 1.0

Initial Weight/Volume: 15.17 g

Date Analyzed: 10/14/2008 1613

Final Weight/Volume: 1.0 mL

Date Prepared: 10/13/2008 0851

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		2000		37	1900
Surrogate		%Rec			Acceptance Limits
2-Fluorophenol		78			25 - 113
Terphenyl-d14		93			35 - 140
Phenol-d5		77			27 - 122
Nitrobenzene-d5		82			25 - 120
2-Fluorobiphenyl		85			32 - 131
2,4,6-Tribromophenol		81			24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6877-1

Sdg Number: 220-6877

Client Sample ID: AOC-C/TEST PIT#36FIELD ORDER#36 (BOTTOM #2)

Lab Sample ID: 220-6877-3

Date Sampled: 10/10/2008 0000

Client Matrix: Solid

% Moisture: 10.4

Date Received: 10/11/2008 1040

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

Method: 8270C

Analysis Batch: 220-21002

Instrument ID: HP 6890/5973 GC/MS

Preparation: 3541

Prep Batch: 220-20925

Lab File ID: Z7856.D

Dilution: 1.0

Initial Weight/Volume: 15.58 g

Date Analyzed: 10/14/2008 1640

Final Weight/Volume: 1.0 mL

Date Prepared: 10/13/2008 0851

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		36	U	36	1800
Surrogate		%Rec			Acceptance Limits
2-Fluorophenol		64			25 - 113
Terphenyl-d14		80			35 - 140
Phenol-d5		63			27 - 122
Nitrobenzene-d5		67			25 - 120
2-Fluorobiphenyl		70			32 - 131
2,4,6-Tribromophenol		69			24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-6877-1

Sdg Number: 220-6877

General Chemistry

Client Sample ID: AOC-A/FIELDORDER(XXX) TEST PIT WESTWALL#2

Lab Sample ID: 220-6877-1

Date Sampled: 10/10/2008 0000

Client Matrix: Solid

Date Received: 10/11/2008 1040

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.7		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			
Percent Solids	89.3		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			

Client Sample ID: AOC-C/TEST PIT#36FIELD ORDER#36 (BOTTOM #1)

Lab Sample ID: 220-6877-2

Date Sampled: 10/10/2008 0000

Client Matrix: Solid

Date Received: 10/11/2008 1040

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			
Percent Solids	89.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			

Client Sample ID: AOC-C/TEST PIT#36FIELD ORDER#36 (BOTTOM #2)

Lab Sample ID: 220-6877-3

Date Sampled: 10/10/2008 0000

Client Matrix: Solid

Date Received: 10/11/2008 1040

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			
Percent Solids	89.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-20967		Date Analyzed	10/13/2008 1715			

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 4989 Crumb Hill Road
 Georgetown, NY

AOC-C

Post Excavation Sampling

Compounds	Remediation Goals	AOC-C Bottom	AOC-C East Wall	AOC-C North Wall	AOC-C South Wall	AOC-C West Wall	AOC-C North Wall-Field Order#7	AOC-C East Wall-Field Order#7	AOC-C Bottom -Field Order#7	AOC-C South Wall -Field Order#7	AOC-C Field Order#14 Botom	AOC-C Field Order#14 Bottom	AOC-C Field Order#32 Botom1	AOC-C Field Order#32 Bottom2	AOC-C Field Order#36 Botom1	AOC-C Field Order#36 Bottom2
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	NA	NA	NA	NA	8	NA	NA	NA	NA	NA
bis (2-ethylhexyl) phthalate	50 ppm	.060 ppm	0.09	0.07	ND	ND	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
pentachlorophenol	0.8 ppm	0.1 ppm	4.5 ppm	6.4 ppm	0.34 ppm	ND	6.6	0.41	NA	NA	12	4.3	3.3	9.8	2	ND
arsenic	13 ppm	18.9 ppm	20.3 ppm	19.3 ppm	37.2 ppm	13.2 ppm	11.3	8.7	8.6	8.4	13.7	9.8	NA	NA	NA	NA
chromium	30 ppm	27.1 ppm	24.9 ppm	20.1 ppm	21 ppm	18.2 ppm	NA	NA	NA	NA	24.7	NA	NA	NA	NA	NA
copper	50 ppm	15.7 ppm	15.8 ppm	16.7 ppm	29.3 ppm	15 ppm	NA	NA	NA	NA	17.7	NA	NA	NA	NA	NA
2,3,7,8-TCDD TEQ	1 ppb	0.27 ppb	5.6 ppb	2.3ppb	0.22 ppb	0.032 ppb	3.28	0.051	NA	NA	0.951	NA	NA	NA	NA	NA

ND = Non-Detect
 Bold and Yellow=
 Exceedance

NA=Not Analyzed Per Field
 Order

Red= 2nd time exceedance

Blue= Field Order 14 Exceedance

Green=Field Order 21 exceedance

Orange=Field Order 32 exceedance

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 4989 Crumb Hill Road
 Georgetown, NY

AOC-C

Post Excavation Sampling

Compounds	Remediation Goals	AOC-C Bottom	AOC-C East Wall	AOC-C North Wall	AOC-C South Wall	AOC-C West Wall	AOC-C North Wall-Field Order#7	AOC-C East Wall-Field Order#7	AOC-C Bottom -Field Order#7	AOC-C South Wall-Field Order#7		
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	NA	NA	NA	NA		
bis (2-ethylhexyl) phthalate	50 ppm	.060 ppm	0.09	0.07	ND	ND	NA	NA	NA	NA		
pentachlorophenol	0.8 ppm	0.1 ppm	4.5 ppm	6.4 ppm	0.34 ppm	ND	6.6	0.41	NA	NA		
arsenic	13 ppm	18.9 ppm	20.3 ppm	19.3 ppm	37.2 ppm	13.2 ppm	11.3	8.7	8.6	8.4		
chromium	30 ppm	27.1 ppm	24.9 ppm	20.1 ppm	21 ppm	18.2 ppm	NA	NA	NA	NA		
copper	50 ppm	15.7 ppm	15.8 ppm	16.7 ppm	29.3 ppm	15 ppm	NA	NA	NA	NA		
2,3,7,8-TCDD TEQ	1 ppb	0.27 ppb	5.6 ppb	2.3ppb	0.22 ppb	0.032 ppb	3.28	0.051	NA	NA		

ND = Non-Detect

NA=Not Analyzed Per Field Order

Bold and Yellow= Exceedance

Red= 2nd time exceedance

ANALYTICAL REPORT

Job#: A08-A164

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Georgetown - Level IV

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

TestAmerica Laboratories Inc.

Richard J. Lafond
Project Manager

08/28/2008

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A16404	AOC-C BOTTOM FO#7	SOIL	08/19/2008	13:40	08/20/2008	09:10
A8A16403	AOC-C EASTWALL FO#7	SOIL	08/19/2008	11:20	08/20/2008	09:10
A8A16401	AOC-C NORTHWALL FO#7	SOIL	08/19/2008	13:20	08/20/2008	09:10
A8A16402	AOC-C SOUTHWALL FO#7	SOIL	08/19/2008	13:30	08/20/2008	09:10

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-A164

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - PCP Only	SW8463 8270
Arsenic - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SDG NARRATIVE

Job#: A08-A164

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A164

Sample Cooler(s) were received at the following temperature(s); 5@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

Linear regression was used to calibrate analytes that were greater than 15% RSD in the initial calibration standard curve A8I0000579-1.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Richard J. Lafond
Project Manager

Date

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
A0C-C NORTHWALL FO#7	A8A16401	8270	5.00	012

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

Sample ID: AOC-C BOTTOM FO#7

Date Received: 08/20/2008

Lab Sample ID: A8A16404

Project No: NY5A9454

Date Collected: 08/19/2008

Client No: 135066

Time Collected: 13:40

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Metals Analysis								
Arsenic - Total	8.6		2.0	MG/KG	6010	08/22/2008	00:20	AH

Sample ID: AOC-C EASTWALL F0#7

Lab Sample ID: A8A16403

Date Collected: 08/19/2008

Time Collected: 11:20

Date Received: 08/20/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270 (PCP ONL Pentachlorophenol	410		370	UG/KG	8270	08/25/2008	11:28	MD
Metals Analysis								
Arsenic - Total	8.7		2.4	MG/KG	6010	08/22/2008	00:15	AH

Sample ID: AOC-C NORTHWALL FO#7

Lab Sample ID: A8A16401

Date Collected: 08/19/2008

Time Collected: 13:20

Date Received: 08/20/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270 (PCP ONL Pentachlorophenol	6600		2000	UG/KG	8270	08/25/2008	11:06	MD
Metals Analysis								
Arsenic - Total	11.3		2.4	MG/KG	6010	08/22/2008	00:04	AH

Sample ID: AOC-C SOUTHWALL FO#7

Date Received: 08/20/2008

Lab Sample ID: A8A16402

Project No: NY5A9454

Date Collected: 08/19/2008

Client No: 135066

Time Collected: 13:30

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Metals Analysis								
Arsenic - Total	8.4		2.3	MG/KG	6010	08/22/2008	00:09	AH

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-C NORTHWALL/FIELD

Lot-Sample #...:	G8H200200 - 001	Work Order #...:	KVF301AC	Matrix....:	SOLID
Date Sampled...:	08/19/08	Date Received..:	08/20/08	Instrument:	4D5
Prep Date.....:	08/20/08	Analysis Date...:	08/22/08	Units.....:	pg/g
Prep Batch #...:	8233280	Dilution Factor:	1	% Moisture:	19

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	2.1	1.000	0
Total TCDD	54			
1,2,3,7,8-PeCDD	ND	21	0.500	0
Total PeCDD	ND	21		0
1,2,3,4,7,8-HxCDD	120		0.100	12.0000
1,2,3,6,7,8-HxCDD	4700		0.100	470.0000
1,2,3,7,8,9-HxCDD	490		0.100	49.0000
Total HxCDD	11000			
1,2,3,4,6,7,8-HpCDD	140000 D		0.010	1400.0000
Total HpCDD	220000			
OCDD	790000 D		0.001	790.0000
2,3,7,8-TCDF	7.4 J CON		0.100	0.7400
Total TCDF	30			
1,2,3,7,8-PeCDF	66		0.050	3.3000
2,3,4,7,8-PeCDF	49 J		0.500	24.0000
Total PeCDF	470			
1,2,3,4,7,8-HxCDF	600		0.100	60.0000
1,2,3,6,7,8-HxCDF	170		0.100	17.0000
2,3,4,6,7,8-HxCDF	140		0.100	14.0000
1,2,3,7,8,9-HxCDF	ND	20	0.100	0
Total HxCDF	23000			
1,2,3,4,6,7,8-HpCDF	27000 D		0.010	270.0000
1,2,3,4,7,8,9-HpCDF	1100 J D		0.010	11.0000
Total HpCDF	150000			
OCDF	160000 D		0.001	160.0000
Total TEQ Concentration				3281.0400

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	69	40 - 135
13C-1,2,3,6,7,8-HxCDD	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	98	40 - 135
13C-OCDD	124	40 - 135
13C-2,3,7,8-TCDF	82	40 - 135
13C-1,2,3,7,8-PeCDF	76	40 - 135
13C-1,2,3,4,7,8-HxCDF	96	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	88	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

- CON Confirmation analysis.
- D Result was obtained from the analysis of a dilution.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-C EASTWALL/FIELD

Lot-Sample #...:	G8H200200 - 002	Work Order #...:	KVF351AC	Matrix....:	SOLID
Date Sampled...:	08/19/08	Date Received..:	08/20/08	Instrument:	4D5
Prep Date.....:	08/20/08	Analysis Date..:	08/22/08	Units.....:	pg/g
Prep Batch #...:	8233280	Dilution Factor:	1	% Moisture:	14

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.8	1.000	0
Total TCDD	ND	1.8		0
1,2,3,7,8-PeCDD	ND	2.3	0.500	0
Total PeCDD	ND	2.3		0
1,2,3,4,7,8-HxCDD	ND	3.4	0.100	0
1,2,3,6,7,8-HxCDD	61		0.100	6.1000
1,2,3,7,8,9-HxCDD	ND	8.4	0.100	0
Total HxCDD	130			
1,2,3,4,6,7,8-HpCDD	2200		0.010	22.0000
Total HpCDD	3300			
OCDD	15000		0.001	15.0000
2,3,7,8-TCDF	ND	3.9	0.100	0
Total TCDF	5.0			
1,2,3,7,8-PeCDF	ND	1.3	0.050	0
2,3,4,7,8-PeCDF	ND	1.3	0.500	0
Total PeCDF	ND	1.9		0
1,2,3,4,7,8-HxCDF	ND	4.2	0.100	0
1,2,3,6,7,8-HxCDF	ND	1.4	0.100	0
2,3,4,6,7,8-HxCDF	ND	5.0	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.8	0.100	0
Total HxCDF	270			
1,2,3,4,6,7,8-HpCDF	430		0.010	4.3000
1,2,3,4,7,8,9-HpCDF	ND	23	0.010	0
Total HpCDF	2400			
OCDF	3300		0.001	3.3000
Total TEQ Concentration				50.7000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	78	40 - 135
13C-1,2,3,6,7,8-HxCDD	94	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	100	40 - 135
13C-OCDD	104	40 - 135
13C-2,3,7,8-TCDF	88	40 - 135
13C-1,2,3,7,8-PeCDF	74	40 - 135
13C-1,2,3,4,7,8-HxCDF	94	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	101	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental

Client Sample ID: AOC-C NORTHWALL/FIELD ORDER #7

Trace Level Organic Compounds

Lot-Sample #...: G8H200200-001 Work Order #...: KVF301AC Matrix.....: SOLID
 Date Sampled...: 08/19/08 Date Received...: 08/20/08
 Prep Date.....: 08/20/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8233280
 Dilution Factor: 1
 % Moisture.....: 19

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	2.1	pg/g	SW846 8290
Total TCDD	54		pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	21	pg/g	SW846 8290
Total PeCDD	ND	21	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	120		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	4700		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	490		pg/g	SW846 8290
Total HxCDD	11000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	140000 D		pg/g	SW846 8290
Total HpCDD	220000		pg/g	SW846 8290
OCDD	790000 D		pg/g	SW846 8290
2,3,7,8-TCDF	7.4 J, CON		pg/g	SW846 8290
Total TCDF	30		pg/g	SW846 8290
1,2,3,7,8-PeCDF	66		pg/g	SW846 8290
2,3,4,7,8-PeCDF	49 J		pg/g	SW846 8290
Total PeCDF	470		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	600		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	170		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	140		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	20	pg/g	SW846 8290
Total HxCDF	23000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	27000 D		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	1100 J, D		pg/g	SW846 8290
Total HpCDF	150000		pg/g	SW846 8290
OCDF	160000 D		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	69	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	98	(40 - 135)
13C-OCDD	124	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	76	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	88	(40 - 135)

(Continued on next page)

OP-TECH Environmental

Client Sample ID: AOC-C NORTHWALL/FIELD ORDER #7

Trace Level Organic Compounds

Lot-Sample #...: G8H200200-001 Work Order #...: KVF301AC Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

OP-TECH Environmental

Client Sample ID: AOC-C EASTWALL/FIELD ORDER #7

Trace Level Organic Compounds

Lot-Sample #...: G8H200200-002 Work Order #...: KVF351AC Matrix.....: SOLID
 Date Sampled...: 08/19/08 Date Received...: 08/20/08
 Prep Date.....: 08/20/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8233280
 Dilution Factor: 1
 % Moisture.....: 14

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.8	pg/g	SW846 8290
Total TCDD	ND	1.8	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	2.3	pg/g	SW846 8290
Total PeCDD	ND	2.3	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.4	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	61		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	8.4	pg/g	SW846 8290
Total HxCDD	130		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	2200		pg/g	SW846 8290
Total HpCDD	3300		pg/g	SW846 8290
OCDD	15000		pg/g	SW846 8290
2,3,7,8-TCDF	ND	3.9	pg/g	SW846 8290
Total TCDF	5.0		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	1.3	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	1.3	pg/g	SW846 8290
Total PeCDF	ND	1.9	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	4.2	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	1.4	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	5.0	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.8	pg/g	SW846 8290
Total HxCDF	270		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	430		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	23	pg/g	SW846 8290
Total HpCDF	2400		pg/g	SW846 8290
OCDF	3300		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	94	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	100	(40 - 135)
13C-OCDD	104	(40 - 135)
13C-2,3,7,8-TCDF	88	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	94	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	101	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

OP-TECH Environmental

Client Sample ID: AOC-C NORTHWALL/FIELD ORDER #7

General Chemistry

Lot-Sample #...: G8H200200-001 Work Order #...: KVF30 Matrix.....: SOLID
Date Sampled...: 08/19/08 Date Received...: 08/20/08
% Moisture.....: 19

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	18.6	0.10	%	ASTM D 2216-90	08/21-08/22/08	8234310
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-C EASTWALL/FIELD ORDER #7

General Chemistry

Lot-Sample #...: G8H200200-002 Work Order #...: KVF35 Matrix.....: SOLID
Date Sampled...: 08/19/08 Date Received...: 08/20/08
% Moisture.....: 14

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	14.1	0.10	%	ASTM D 2216-90	08/21-08/22/08	8234310
		Dilution Factor: 1		MDL.....: 0.10		

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H200200
 MB Lot-Sample #: G8H200000-280

Work Order #...: KVF841AA

Matrix.....: SOLID

Prep Date.....: 08/20/08

Analysis Date...: 08/22/08

Prep Batch #...: 8233280

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.7	pg/g	SW846 8290
Total TCDD	ND	1.7	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	1.4	pg/g	SW846 8290
Total PeCDD	ND	1.4	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.87	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.69	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.69	pg/g	SW846 8290
Total HxCDD	ND	0.87	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	1.7	pg/g	SW846 8290
Total HpCDD	ND	1.7	pg/g	SW846 8290
OCDD	ND	4.1	pg/g	SW846 8290
2,3,7,8-TCDF	ND	4.6	pg/g	SW846 8290
Total TCDF	ND	4.6	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.65	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.64	pg/g	SW846 8290
Total PeCDF	ND	1.8	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.46	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.38	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.44	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.52	pg/g	SW846 8290
Total HxCDF	ND	0.52	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	1.2	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	1.4	pg/g	SW846 8290
Total HpCDF	ND	1.4	pg/g	SW846 8290
OCDF	ND	1.6	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	72	(40 - 135)
13C-1,2,3,7,8-PeCDD	65	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	87	(40 - 135)
13C-2,3,7,8-TCDF	74	(40 - 135)
13C-1,2,3,7,8-PeCDF	62	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	82	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	87	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H200200 Work Order #...: KVF841AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H200000-280
 Prep Date.....: 08/20/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8233280
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	110	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	96	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	117	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	105	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	110	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	106	(82 - 134)	SW846 8290
OCDD	110	(74 - 144)	SW846 8290
2,3,7,8-TCDF	100	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	105	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	107	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	104	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	102	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	110	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	117	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	109	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	113	(78 - 130)	SW846 8290
OCDF	112	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	83	(40 - 135)
13C-1,2,3,7,8-PeCDD	76	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	96	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	72	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	96	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H200200 Work Order #...: KVF841AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H200000-280
 Prep Date.....: 08/20/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8233280
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	219	pg/g	110	SW846 8290
1,2,3,7,8-PeCDD	1000	965	pg/g	96	SW846 8290
1,2,3,4,7,8-HxCDD	1000	1170	pg/g	117	SW846 8290
1,2,3,6,7,8-HxCDD	1000	1050	pg/g	105	SW846 8290
1,2,3,7,8,9-HxCDD	1000	1100	pg/g	110	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	1060	pg/g	106	SW846 8290
OCDD	2000	2210	pg/g	110	SW846 8290
2,3,7,8-TCDF	200	199	pg/g	100	SW846 8290
1,2,3,7,8-PeCDF	1000	1050	pg/g	105	SW846 8290
2,3,4,7,8-PeCDF	1000	1070	pg/g	107	SW846 8290
1,2,3,4,7,8-HxCDF	1000	1040	pg/g	104	SW846 8290
1,2,3,6,7,8-HxCDF	1000	1020	pg/g	102	SW846 8290
2,3,4,6,7,8-HxCDF	1000	1100	pg/g	110	SW846 8290
1,2,3,7,8,9-HxCDF	1000	1170	pg/g	117	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	1090	pg/g	109	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	1130	pg/g	113	SW846 8290
OCDF	2000	2240	pg/g	112	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	83	(40 - 135)
13C-1,2,3,7,8-PeCDD	76	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	96	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	72	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	96	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G8H200200

Work Order #...: KT6VG-SMP
KT6VG-DUP

Matrix.....: SOLID

Date Sampled...: 08/13/08

Date Received...: 08/14/08

% Moisture.....: 71

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	71.0	69.5	%	2.2	(0-20)	ASTM D 2216-90	SD Lot-Sample #: D8H140359-023 08/21-08/22/08	8234310

Dilution Factor: 1



OP-TECH Environmental Services, Inc



6392 Deere Road
Syracuse, NY 13206

Phone (315) 463 -1643 Fax (315) 463-9764

LETTER OF TRANSMITTAL

Date: August 12, 2008

Job No.

Attention: Michael Mason, PE

RE: Transmittal No. 40

TO: NYS Department of Environmental Conservation
 Remedial Section A, Remedial Bureau E
 Division of Environmental Remediation
 625 Broadway, 12th Floor
 Albany, New York 12233-7017

Camp Georgetown Remedial Excavation

Contract No. D006614

WE ARE SENDING YOU: Attached Under a separate cover via _____ The following items:

Shop Drawings Change Order Prints Plans Specifications

Copy of Letter Samples Contract _____

COPIES	DATE	NUMBER	DESCRIPTION
1	August 11, 2008	1	AOC-C Confirmatory Sampling Log
1	August 11, 2008	2	AOC - C VOC/Metals Data
1	August 11, 2008	3	AOC C Dioxin/Furan Data
1	August 11, 2008	4	AOC C Dioxin/Furan TEQ Data

THESE ARE TRANSMITTED as checked below:

For Approval Resubmitt _____ Copies for Approval Approved as Submitted

For Your Use Resubmit _____ Copies for distribution Approved as Noted

As Requested Return _____ Corrected Prints Returned for Corrections

For Review and Comment _____ FOR BIDS DUE _____ 20__

Remarks:

Signed: _____
Tom Rengert - Project Manager

CC: _____

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 4989 Crumb Hill Road
 Georgetown, NY

AOC-C

Post Excavation Sampling

Compounds	Remediation Goals	AOC-C Bottom	AOC-C East Wall	AOC-C North Wall	AOC-C South Wall	AOC-C West Wall						
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND						
bis (2-ethylhexyl) phthalate	50 ppm	.060 ppm	0.09	0.07	ND	ND						
pentachlorophenol	0.8 ppm	0.1 ppm	4.5 ppm	6.4 ppm	0.34 ppm	ND						
arsenic	13 ppm	18.9 ppm	20.3 ppm	19.3 ppm	37.2 ppm	13.2 ppm						
chromium	30 ppm	27.1 ppm	24.9 ppm	20.1 ppm	21 ppm	18.2 ppm						
copper	50 ppm	15.7 ppm	15.8 ppm	16.7 ppm	29.3 ppm	15 ppm						
2,3,7,8-TCDD TEQ	1 ppb	0.27 ppb	5.6 ppb	2.3ppb	0.22 ppb	0.032 ppb						

ND = Non-Detect
 Bold and Yellow=
 Exceedance

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

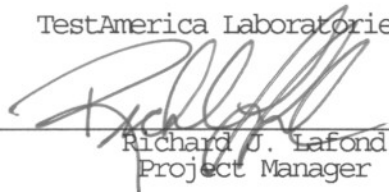
Job#: A08-9187

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



Richard J. Lafond
Project Manager

08/08/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8918705	AOC-C BOTTOM	SOIL	07/29/2008	15:20	07/30/2008	09:15
A8918702	AOC-C EAST WALL	SOIL	07/29/2008	15:15	07/30/2008	09:15
A8918701	AOC-C NORTH WALL	SOIL	07/29/2008	15:05	07/30/2008	09:15
A8918703	AOC-C SOUTH WALL	SOIL	07/29/2008	15:00	07/30/2008	09:15
A8918704	AOC-C WEST WALL	SOIL	07/29/2008	15:10	07/30/2008	09:15

METHODS SUMMARY

Job#: A08-9187Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7471
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9187Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9187

Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

The analytes Dibenzo (a,h) anthracene and Indeno (1,2,3-cd) pyrene were detected in the dilution for sample AOC-C NORTH WALL. The analyte Benzo (k) fluoranthene was detected in the dilution for sample AOC-C EAST WALL. The dilution process involves additional manipulation of the sample, therefore, the sample detection for these analytes in the dilution may potentially be due to laboratory contamination and should be evaluated accordingly.

Metals Data

The recoveries of sample AOC-C NORTH WALL Matrix Spike exhibited results above the quality control limits for Aluminum, Iron and Manganese. The recoveries of sample AOC-C NORTH WALL Matrix Spike Duplicate exhibited results above the quality control limits for Manganese and below for Aluminum and Iron. The sample results are more than four times greater than the spikes added. The RPD between sample AOC-C NORTH WALL Matrix Spike and Matrix Spike Duplicate exceeded quality control criteria for Aluminum and Iron. However, the LCS (A8B1978701) was acceptable.

The recoveries of sample AOC-C NORTH WALL Matrix Spike exhibited results above the quality control limits for Arsenic, Lead and Magnesium and below for Antimony. The recoveries of sample AOC-C NORTH WALL Matrix Spike Duplicate exhibited results below the quality control limits for Antimony and Barium. Sample matrix is suspect. The RPD between sample AOC-C NORTH WALL Matrix Spike and Matrix Spike Duplicate exceeded quality control criteria for Arsenic, Barium, Lead, Magnesium and Zinc. However, the LCS (A8B1978701) was acceptable.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
AOC-C NORTH WALL DL	A8918701DL	8270	4.00	012
AOC-C EAST WALL DL	A8918702DL	8270	2.00	012

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: AOC-C BOTTOM

Lab Sample ID: A8918705

Date Collected: 07/29/2008

Time Collected: 15:20

Date Received: 07/30/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2,4,5-Trichlorophenol	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2,4,6-Trichlorophenol	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2,4-Dichlorophenol	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2,4-Dimethylphenol	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2,4-Dinitrophenol	ND		360	UG/KG	8270	08/02/2008	03:47	AJ
2,4-Dinitrotoluene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2,6-Dinitrotoluene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2-Chloronaphthalene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2-Chlorophenol	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2-Methylnaphthalene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2-Methylphenol	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
2-Nitroaniline	ND		360	UG/KG	8270	08/02/2008	03:47	AJ
2-Nitrophenol	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
3,3'-Dichlorobenzidine	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
3-Nitroaniline	ND		360	UG/KG	8270	08/02/2008	03:47	AJ
4,6-Dinitro-2-methylphenol	ND		360	UG/KG	8270	08/02/2008	03:47	AJ
4-Bromophenyl phenyl ether	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
4-Chloro-3-methylphenol	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
4-Chloroaniline	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
4-Chlorophenyl phenyl ether	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
4-Methylphenol	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
4-Nitroaniline	ND		360	UG/KG	8270	08/02/2008	03:47	AJ
4-Nitrophenol	ND		360	UG/KG	8270	08/02/2008	03:47	AJ
Acenaphthene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Acenaphthylene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Acetophenone	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Anthracene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Atrazine	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Benzaldehyde	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Benzo(a)anthracene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Benzo(a)pyrene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Benzo(b)fluoranthene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Benzo(ghi)perylene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Benzo(k)fluoranthene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Benzoic acid	ND		5300	UG/KG	8270	08/02/2008	03:47	AJ
Biphenyl	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Bis(2-chloroethoxy) methane	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Bis(2-chloroethyl) ether	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Bis(2-ethylhexyl) phthalate	60	J	190	UG/KG	8270	08/02/2008	03:47	AJ
Butyl benzyl phthalate	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Caprolactam	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Carbazole	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Chrysene	23	BJ	190	UG/KG	8270	08/02/2008	03:47	AJ
Di-n-butyl phthalate	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Di-n-octyl phthalate	160	J	190	UG/KG	8270	08/02/2008	03:47	AJ
Dibenzo(a,h)anthracene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Dibenzofuran	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Diethyl phthalate	ND		190	UG/KG	8270	08/02/2008	03:47	AJ

Sample ID: AOC-C BOTTOM

Date Received: 07/30/2008

Lab Sample ID: A8918705

Project No: NY5A9454

Date Collected: 07/29/2008

Client No: 135066

Time Collected: 15:20

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Fluoranthene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Fluorene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Hexachlorobenzene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Hexachlorobutadiene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Hexachlorocyclopentadiene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Hexachloroethane	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Indeno(1,2,3-cd)pyrene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Isophorone	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
N-Nitroso-Di-n-propylamine	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
N-nitrosodiphenylamine	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Naphthalene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Nitrobenzene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Pentachlorophenol	100	J	360	UG/KG	8270	08/02/2008	03:47	AJ
Phenanthrene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Phenol	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Pyrene	ND		190	UG/KG	8270	08/02/2008	03:47	AJ
Metals Analysis								
Aluminum - Total	17100		12.1	MG/KG	6010	07/31/2008	22:26	TWS
Antimony - Total	ND		18.2	MG/KG	6010	07/31/2008	22:26	TWS
Arsenic - Total	18.9		2.4	MG/KG	6010	07/31/2008	22:26	TWS
Barium - Total	134		0.61	MG/KG	6010	07/31/2008	22:26	TWS
Beryllium - Total	0.50		0.24	MG/KG	6010	07/31/2008	22:26	TWS
Cadmium - Total	0.44		0.24	MG/KG	6010	07/31/2008	22:26	TWS
Calcium - Total	1530		60.7	MG/KG	6010	07/31/2008	22:26	TWS
Chromium - Total	27.1		0.61	MG/KG	6010	07/31/2008	22:26	TWS
Cobalt - Total	19.0		0.61	MG/KG	6010	07/31/2008	22:26	TWS
Copper - Total	15.7		1.2	MG/KG	6010	07/31/2008	22:26	TWS
Iron - Total	35700		12.1	MG/KG	6010	07/31/2008	22:26	TWS
Lead - Total	13.5		1.2	MG/KG	6010	07/31/2008	22:26	TWS
Magnesium - Total	5430		24.3	MG/KG	6010	07/31/2008	22:26	TWS
Manganese - Total	1030		0.24	MG/KG	6010	07/31/2008	22:26	TWS
Mercury - Total	0.044		0.023	MG/KG	7471	07/31/2008	18:06	MM
Nickel - Total	34.8		0.61	MG/KG	6010	07/31/2008	22:26	TWS
Potassium - Total	1000		36.4	MG/KG	6010	07/31/2008	22:26	TWS
Selenium - Total	ND		4.8	MG/KG	6010	07/31/2008	22:26	TWS
Silver - Total	ND		0.61	MG/KG	6010	07/31/2008	22:26	TWS
Sodium - Total	ND		170	MG/KG	6010	07/31/2008	22:26	TWS
Thallium - Total	ND		7.3	MG/KG	6010	07/31/2008	22:26	TWS
Vanadium - Total	20.5		0.61	MG/KG	6010	07/31/2008	22:26	TWS
Zinc - Total	74.3		2.4	MG/KG	6010	07/31/2008	22:26	TWS

Sample ID: AOC-C EAST WALL

Lab Sample ID: A8918702

Date Collected: 07/29/2008

Time Collected: 15:15

Date Received: 07/30/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2,4,5-Trichlorophenol	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2,4,6-Trichlorophenol	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2,4-Dichlorophenol	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2,4-Dimethylphenol	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2,4-Dinitrophenol	ND		360	UG/KG	8270	08/02/2008	02:39	AJ
2,4-Dinitrotoluene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2,6-Dinitrotoluene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2-Chloronaphthalene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2-Chlorophenol	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2-Methylnaphthalene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2-Methylphenol	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
2-Nitroaniline	ND		360	UG/KG	8270	08/02/2008	02:39	AJ
2-Nitrophenol	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
3,3'-Dichlorobenzidine	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
3-Nitroaniline	ND		360	UG/KG	8270	08/02/2008	02:39	AJ
4,6-Dinitro-2-methylphenol	ND		360	UG/KG	8270	08/02/2008	02:39	AJ
4-Bromophenyl phenyl ether	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
4-Chloro-3-methylphenol	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
4-Chloroaniline	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
4-Chlorophenyl phenyl ether	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
4-Methylphenol	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
4-Nitroaniline	ND		360	UG/KG	8270	08/02/2008	02:39	AJ
4-Nitrophenol	ND		360	UG/KG	8270	08/02/2008	02:39	AJ
Acenaphthene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Acenaphthylene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Acetophenone	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Anthracene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Atrazine	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Benzaldehyde	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Benzo(a)anthracene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Benzo(a)pyrene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Benzo(b)fluoranthene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Benzo(ghi)perylene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Benzo(k)fluoranthene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Benzoic acid	ND		5200	UG/KG	8270	08/02/2008	02:39	AJ
Biphenyl	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Bis(2-chloroethoxy) methane	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Bis(2-chloroethyl) ether	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Bis(2-ethylhexyl) phthalate	88	J	180	UG/KG	8270	08/02/2008	02:39	AJ
Butyl benzyl phthalate	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Caprolactam	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Carbazole	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Chrysene	30	BJ	180	UG/KG	8270	08/02/2008	02:39	AJ
Di-n-butyl phthalate	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Di-n-octyl phthalate	160	J	180	UG/KG	8270	08/02/2008	02:39	AJ
Dibenzo(a,h)anthracene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Dibenzofuran	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Diethyl phthalate	ND		180	UG/KG	8270	08/02/2008	02:39	AJ

Sample ID: AOC-C EAST WALL

Date Received: 07/30/2008

Lab Sample ID: A8918702

Project No: NY5A9454

Date Collected: 07/29/2008

Client No: 135066

Time Collected: 15:15

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Fluoranthene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Fluorene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Hexachlorobenzene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Hexachlorobutadiene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Hexachlorocyclopentadiene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Hexachloroethane	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Indeno(1,2,3-cd)pyrene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Isophorone	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
N-Nitroso-Di-n-propylamine	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
N-nitrosodiphenylamine	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Naphthalene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Nitrobenzene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Pentachlorophenol	6900	E	360	UG/KG	8270	08/02/2008	02:39	AJ
Phenanthrene	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Phenol	ND		180	UG/KG	8270	08/02/2008	02:39	AJ
Pyrene	36	J	180	UG/KG	8270	08/02/2008	02:39	AJ
Metals Analysis								
Aluminum - Total	17500		11.9	MG/KG	6010	07/31/2008	22:10	TWS
Antimony - Total	ND		17.9	MG/KG	6010	07/31/2008	22:10	TWS
Arsenic - Total	20.3		2.4	MG/KG	6010	07/31/2008	22:10	TWS
Barium - Total	139		0.60	MG/KG	6010	07/31/2008	22:10	TWS
Beryllium - Total	0.49		0.24	MG/KG	6010	07/31/2008	22:10	TWS
Cadmium - Total	0.54		0.24	MG/KG	6010	07/31/2008	22:10	TWS
Calcium - Total	4060		59.7	MG/KG	6010	07/31/2008	22:10	TWS
Chromium - Total	24.9		0.60	MG/KG	6010	07/31/2008	22:10	TWS
Cobalt - Total	17.9		0.60	MG/KG	6010	07/31/2008	22:10	TWS
Copper - Total	15.8		1.2	MG/KG	6010	07/31/2008	22:10	TWS
Iron - Total	39900		11.9	MG/KG	6010	07/31/2008	22:10	TWS
Lead - Total	16.4		1.2	MG/KG	6010	07/31/2008	22:10	TWS
Magnesium - Total	5970		23.9	MG/KG	6010	07/31/2008	22:10	TWS
Manganese - Total	1280		0.24	MG/KG	6010	07/31/2008	22:10	TWS
Mercury - Total	0.045		0.022	MG/KG	7471	07/31/2008	18:02	MM
Nickel - Total	36.6		0.60	MG/KG	6010	07/31/2008	22:10	TWS
Potassium - Total	714		35.8	MG/KG	6010	07/31/2008	22:10	TWS
Selenium - Total	ND		4.8	MG/KG	6010	07/31/2008	22:10	TWS
Silver - Total	ND		0.60	MG/KG	6010	07/31/2008	22:10	TWS
Sodium - Total	ND		167	MG/KG	6010	07/31/2008	22:10	TWS
Thallium - Total	ND		7.2	MG/KG	6010	07/31/2008	22:10	TWS
Vanadium - Total	19.4		0.60	MG/KG	6010	07/31/2008	22:10	TWS
Zinc - Total	86.8		2.4	MG/KG	6010	07/31/2008	22:10	TWS

Sample ID: AOC-C EAST WALL DL

Date Received: 07/30/2008

Lab Sample ID: A8918702DL

Project No: NY5A9454

Date Collected: 07/29/2008

Client No: 135066

Time Collected: 15:15

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2,4,5-Trichlorophenol	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2,4,6-Trichlorophenol	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2,4-Dichlorophenol	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2,4-Dimethylphenol	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2,4-Dinitrophenol	ND		710	UG/KG	8270	08/06/2008	19:57	AJ
2,4-Dinitrotoluene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2,6-Dinitrotoluene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2-Chloronaphthalene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2-Chlorophenol	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2-Methylnaphthalene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2-Methylphenol	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
2-Nitroaniline	ND		710	UG/KG	8270	08/06/2008	19:57	AJ
2-Nitrophenol	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
3,3'-Dichlorobenzidine	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
3-Nitroaniline	ND		710	UG/KG	8270	08/06/2008	19:57	AJ
4,6-Dinitro-2-methylphenol	ND		710	UG/KG	8270	08/06/2008	19:57	AJ
4-Bromophenyl phenyl ether	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
4-Chloro-3-methylphenol	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
4-Chloroaniline	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
4-Chlorophenyl phenyl ether	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
4-Methylphenol	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
4-Nitroaniline	ND		710	UG/KG	8270	08/06/2008	19:57	AJ
4-Nitrophenol	ND		710	UG/KG	8270	08/06/2008	19:57	AJ
Acenaphthene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Acenaphthylene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Acetophenone	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Anthracene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Atrazine	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Benzaldehyde	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Benzo(a)anthracene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Benzo(a)pyrene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Benzo(b)fluoranthene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Benzo(ghi)perylene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Benzo(k)fluoranthene	29	DJ	360	UG/KG	8270	08/06/2008	19:57	AJ
Benzoic acid	ND		10000	UG/KG	8270	08/06/2008	19:57	AJ
Biphenyl	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Bis(2-chloroethoxy) methane	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Bis(2-chloroethyl) ether	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Bis(2-ethylhexyl) phthalate	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Butyl benzyl phthalate	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Caprolactam	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Carbazole	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Chrysene	56	BDJ	360	UG/KG	8270	08/06/2008	19:57	AJ
Di-n-butyl phthalate	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Di-n-octyl phthalate	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Dibenzo(a,h)anthracene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Dibenzofuran	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Diethyl phthalate	ND		360	UG/KG	8270	08/06/2008	19:57	AJ

Sample ID: AOC-C EAST WALL DL

Lab Sample ID: A8918702DL

Date Collected: 07/29/2008

Time Collected: 15:15

Date Received: 07/30/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Fluoranthene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Fluorene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Hexachlorobenzene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Hexachlorobutadiene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Hexachlorocyclopentadiene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Hexachloroethane	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Indeno(1,2,3-cd)pyrene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Isophorone	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
N-Nitroso-Di-n-propylamine	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
N-nitrosodiphenylamine	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Naphthalene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Nitrobenzene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Pentachlorophenol	4500	D	710	UG/KG	8270	08/06/2008	19:57	AJ
Phenanthrene	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Phenol	ND		360	UG/KG	8270	08/06/2008	19:57	AJ
Pyrene	32	DJ	360	UG/KG	8270	08/06/2008	19:57	AJ

Sample ID: AOC-C NORTH WALL

Lab Sample ID: A8918701

Date Collected: 07/29/2008

Time Collected: 15:05

Date Received: 07/30/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2,4,5-Trichlorophenol	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2,4,6-Trichlorophenol	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2,4-Dichlorophenol	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2,4-Dimethylphenol	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2,4-Dinitrophenol	ND		360	UG/KG	8270	08/02/2008	02:17	AJ
2,4-Dinitrotoluene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2,6-Dinitrotoluene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2-Chloronaphthalene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2-Chlorophenol	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2-Methylnaphthalene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2-Methylphenol	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
2-Nitroaniline	ND		360	UG/KG	8270	08/02/2008	02:17	AJ
2-Nitrophenol	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
3,3'-Dichlorobenzidine	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
3-Nitroaniline	ND		360	UG/KG	8270	08/02/2008	02:17	AJ
4,6-Dinitro-2-methylphenol	ND		360	UG/KG	8270	08/02/2008	02:17	AJ
4-Bromophenyl phenyl ether	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
4-Chloro-3-methylphenol	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
4-Chloroaniline	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
4-Chlorophenyl phenyl ether	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
4-Methylphenol	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
4-Nitroaniline	ND		360	UG/KG	8270	08/02/2008	02:17	AJ
4-Nitrophenol	ND		360	UG/KG	8270	08/02/2008	02:17	AJ
Acenaphthene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Acenaphthylene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Acetophenone	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Anthracene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Atrazine	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Benzaldehyde	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Benzo(a)anthracene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Benzo(a)pyrene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Benzo(b)fluoranthene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Benzo(ghi)perylene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Benzo(k)fluoranthene	16	J	180	UG/KG	8270	08/02/2008	02:17	AJ
Benzoic acid	ND		5200	UG/KG	8270	08/02/2008	02:17	AJ
Biphenyl	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Bis(2-chloroethoxy) methane	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Bis(2-chloroethyl) ether	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Bis(2-ethylhexyl) phthalate	70	J	180	UG/KG	8270	08/02/2008	02:17	AJ
Butyl benzyl phthalate	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Caprolactam	330		180	UG/KG	8270	08/02/2008	02:17	AJ
Carbazole	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Chrysene	34	BJ	180	UG/KG	8270	08/02/2008	02:17	AJ
Di-n-butyl phthalate	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Di-n-octyl phthalate	170	J	180	UG/KG	8270	08/02/2008	02:17	AJ
Dibenzo(a,h)anthracene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Dibenzofuran	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Diethyl phthalate	ND		180	UG/KG	8270	08/02/2008	02:17	AJ

Sample ID: AOC-C NORTH WALL

Lab Sample ID: A8918701

Date Collected: 07/29/2008

Time Collected: 15:05

Date Received: 07/30/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Fluoranthene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Fluorene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Hexachlorobenzene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Hexachlorobutadiene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Hexachlorocyclopentadiene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Hexachloroethane	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Indeno(1,2,3-cd)pyrene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Isophorone	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
N-Nitroso-Di-n-propylamine	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
N-nitrosodiphenylamine	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Naphthalene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Nitrobenzene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Pentachlorophenol	8300	E	360	UG/KG	8270	08/02/2008	02:17	AJ
Phenanthrene	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Phenol	ND		180	UG/KG	8270	08/02/2008	02:17	AJ
Pyrene	54	J	180	UG/KG	8270	08/02/2008	02:17	AJ
Metals Analysis								
Aluminum - Total	14400		11.9	MG/KG	6010	07/31/2008	20:08	TWS
Antimony - Total	ND		17.9	MG/KG	6010	07/31/2008	20:08	TWS
Arsenic - Total	19.3		2.4	MG/KG	6010	07/31/2008	20:08	TWS
Barium - Total	102		0.60	MG/KG	6010	07/31/2008	20:08	TWS
Beryllium - Total	0.38		0.24	MG/KG	6010	07/31/2008	20:08	TWS
Cadmium - Total	0.27		0.24	MG/KG	6010	07/31/2008	20:08	TWS
Calcium - Total	1340		59.6	MG/KG	6010	07/31/2008	20:08	TWS
Chromium - Total	20.1		0.60	MG/KG	6010	07/31/2008	20:08	TWS
Cobalt - Total	13.4		0.60	MG/KG	6010	07/31/2008	20:08	TWS
Copper - Total	16.7		1.2	MG/KG	6010	07/31/2008	20:08	TWS
Iron - Total	31000		11.9	MG/KG	6010	07/31/2008	20:08	TWS
Lead - Total	11.8		1.2	MG/KG	6010	07/31/2008	20:08	TWS
Magnesium - Total	4810		23.9	MG/KG	6010	07/31/2008	20:08	TWS
Manganese - Total	448		0.24	MG/KG	6010	07/31/2008	20:08	TWS
Mercury - Total	0.028		0.023	MG/KG	7471	07/31/2008	17:55	MM
Nickel - Total	30.1		0.60	MG/KG	6010	07/31/2008	20:08	TWS
Potassium - Total	912		35.8	MG/KG	6010	07/31/2008	20:08	TWS
Selenium - Total	ND		4.8	MG/KG	6010	07/31/2008	20:08	TWS
Silver - Total	ND		0.60	MG/KG	6010	07/31/2008	20:08	TWS
Sodium - Total	ND		167	MG/KG	6010	07/31/2008	20:08	TWS
Thallium - Total	ND		7.2	MG/KG	6010	07/31/2008	20:08	TWS
Vanadium - Total	16.6		0.60	MG/KG	6010	07/31/2008	20:08	TWS
Zinc - Total	67.6		2.4	MG/KG	6010	07/31/2008	20:08	TWS

Sample ID: AOC-C NORTH WALL DL

Date Received: 07/30/2008

Lab Sample ID: A8918701DL

Project No: NY5A9454

Date Collected: 07/29/2008

Client No: 135066

Time Collected: 15:05

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2,4,5-Trichlorophenol	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2,4,6-Trichlorophenol	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2,4-Dichlorophenol	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2,4-Dimethylphenol	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2,4-Dinitrophenol	ND		1400	UG/KG	8270	08/06/2008	19:34	AJ
2,4-Dinitrotoluene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2,6-Dinitrotoluene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2-Chloronaphthalene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2-Chlorophenol	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2-Methylnaphthalene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2-Methylphenol	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
2-Nitroaniline	ND		1400	UG/KG	8270	08/06/2008	19:34	AJ
2-Nitrophenol	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
3,3'-Dichlorobenzidine	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
3-Nitroaniline	ND		1400	UG/KG	8270	08/06/2008	19:34	AJ
4,6-Dinitro-2-methylphenol	ND		1400	UG/KG	8270	08/06/2008	19:34	AJ
4-Bromophenyl phenyl ether	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
4-Chloro-3-methylphenol	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
4-Chloroaniline	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
4-Chlorophenyl phenyl ether	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
4-Methylphenol	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
4-Nitroaniline	ND		1400	UG/KG	8270	08/06/2008	19:34	AJ
4-Nitrophenol	ND		1400	UG/KG	8270	08/06/2008	19:34	AJ
Acenaphthene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Acenaphthylene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Acetophenone	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Anthracene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Atrazine	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Benzaldehyde	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Benzo(a)anthracene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Benzo(a)pyrene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Benzo(b)fluoranthene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Benzo(ghi)perylene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Benzo(k)fluoranthene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Benzoic acid	ND		21000	UG/KG	8270	08/06/2008	19:34	AJ
Biphenyl	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Bis(2-chloroethoxy) methane	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Bis(2-chloroethyl) ether	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Bis(2-ethylhexyl) phthalate	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Butyl benzyl phthalate	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Caprolactam	810	D	740	UG/KG	8270	08/06/2008	19:34	AJ
Carbazole	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Chrysene	130	BDJ	740	UG/KG	8270	08/06/2008	19:34	AJ
Di-n-butyl phthalate	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Di-n-octyl phthalate	650	DJ	740	UG/KG	8270	08/06/2008	19:34	AJ
Dibenzo(a,h)anthracene	29	DJ	740	UG/KG	8270	08/06/2008	19:34	AJ
Dibenzofuran	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Diethyl phthalate	ND		740	UG/KG	8270	08/06/2008	19:34	AJ

Sample ID: AOC-C NORTH WALL DL

Lab Sample ID: A8918701DL

Date Collected: 07/29/2008

Time Collected: 15:05

Date Received: 07/30/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Fluoranthene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Fluorene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Hexachlorobenzene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Hexachlorobutadiene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Hexachlorocyclopentadiene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Hexachloroethane	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Indeno(1,2,3-cd)pyrene	32	DJ	740	UG/KG	8270	08/06/2008	19:34	AJ
Isophorone	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
N-Nitroso-Di-n-propylamine	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
N-nitrosodiphenylamine	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Naphthalene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Nitrobenzene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Pentachlorophenol	6400	D	1400	UG/KG	8270	08/06/2008	19:34	AJ
Phenanthrene	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Phenol	ND		740	UG/KG	8270	08/06/2008	19:34	AJ
Pyrene	61	DJ	740	UG/KG	8270	08/06/2008	19:34	AJ

Sample ID: AOC-C SOUTH WALL

Lab Sample ID: A8918703

Date Collected: 07/29/2008

Time Collected: 15:00

Date Received: 07/30/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2,4,5-Trichlorophenol	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2,4,6-Trichlorophenol	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2,4-Dichlorophenol	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2,4-Dimethylphenol	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2,4-Dinitrophenol	ND		350	UG/KG	8270	08/02/2008	03:02	AJ
2,4-Dinitrotoluene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2,6-Dinitrotoluene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2-Chloronaphthalene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2-Chlorophenol	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2-Methylnaphthalene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2-Methylphenol	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
2-Nitroaniline	ND		350	UG/KG	8270	08/02/2008	03:02	AJ
2-Nitrophenol	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
3,3'-Dichlorobenzidine	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
3-Nitroaniline	ND		350	UG/KG	8270	08/02/2008	03:02	AJ
4,6-Dinitro-2-methylphenol	ND		350	UG/KG	8270	08/02/2008	03:02	AJ
4-Bromophenyl phenyl ether	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
4-Chloro-3-methylphenol	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
4-Chloroaniline	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
4-Chlorophenyl phenyl ether	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
4-Methylphenol	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
4-Nitroaniline	ND		350	UG/KG	8270	08/02/2008	03:02	AJ
4-Nitrophenol	ND		350	UG/KG	8270	08/02/2008	03:02	AJ
Acenaphthene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Acenaphthylene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Acetophenone	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Anthracene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Atrazine	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Benzaldehyde	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Benzo(a)anthracene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Benzo(a)pyrene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Benzo(b)fluoranthene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Benzo(ghi)perylene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Benzo(k)fluoranthene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Benzoic acid	ND		5200	UG/KG	8270	08/02/2008	03:02	AJ
Biphenyl	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Bis(2-chloroethoxy) methane	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Bis(2-chloroethyl) ether	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Bis(2-ethylhexyl) phthalate	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Butyl benzyl phthalate	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Caprolactam	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Carbazole	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Chrysene	27	BJ	180	UG/KG	8270	08/02/2008	03:02	AJ
Di-n-butyl phthalate	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Di-n-octyl phthalate	160	J	180	UG/KG	8270	08/02/2008	03:02	AJ
Dibenzo(a,h)anthracene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Dibenzofuran	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Diethyl phthalate	ND		180	UG/KG	8270	08/02/2008	03:02	AJ

Sample ID: AOC-C SOUTH WALL

Lab Sample ID: A8918703

Date Collected: 07/29/2008

Time Collected: 15:00

Date Received: 07/30/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Fluoranthene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Fluorene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Hexachlorobenzene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Hexachlorobutadiene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Hexachlorocyclopentadiene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Hexachloroethane	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Indeno(1,2,3-cd)pyrene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Isophorone	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
N-Nitroso-Di-n-propylamine	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
N-nitrosodiphenylamine	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Naphthalene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Nitrobenzene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Pentachlorophenol	340	J	350	UG/KG	8270	08/02/2008	03:02	AJ
Phenanthrene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Phenol	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Pyrene	ND		180	UG/KG	8270	08/02/2008	03:02	AJ
Metals Analysis								
Aluminum - Total	13700		10.5	MG/KG	6010	07/31/2008	22:15	TWS
Antimony - Total	ND		15.8	MG/KG	6010	07/31/2008	22:15	TWS
Arsenic - Total	37.2		2.1	MG/KG	6010	07/31/2008	22:15	TWS
Barium - Total	91.9		0.52	MG/KG	6010	07/31/2008	22:15	TWS
Beryllium - Total	0.38		0.21	MG/KG	6010	07/31/2008	22:15	TWS
Cadmium - Total	0.42		0.21	MG/KG	6010	07/31/2008	22:15	TWS
Calcium - Total	4850		52.5	MG/KG	6010	07/31/2008	22:15	TWS
Chromium - Total	21.0		0.52	MG/KG	6010	07/31/2008	22:15	TWS
Cobalt - Total	14.5		0.52	MG/KG	6010	07/31/2008	22:15	TWS
Copper - Total	29.3		1.0	MG/KG	6010	07/31/2008	22:15	TWS
Iron - Total	30500		10.5	MG/KG	6010	07/31/2008	22:15	TWS
Lead - Total	19.4		1.0	MG/KG	6010	07/31/2008	22:15	TWS
Magnesium - Total	5070		21.0	MG/KG	6010	07/31/2008	22:15	TWS
Manganese - Total	530		0.21	MG/KG	6010	07/31/2008	22:15	TWS
Mercury - Total	0.025		0.020	MG/KG	7471	07/31/2008	18:03	MM
Nickel - Total	28.9		0.52	MG/KG	6010	07/31/2008	22:15	TWS
Potassium - Total	762		31.5	MG/KG	6010	07/31/2008	22:15	TWS
Selenium - Total	ND		4.2	MG/KG	6010	07/31/2008	22:15	TWS
Silver - Total	ND		0.52	MG/KG	6010	07/31/2008	22:15	TWS
Sodium - Total	ND		147	MG/KG	6010	07/31/2008	22:15	TWS
Thallium - Total	ND		6.3	MG/KG	6010	07/31/2008	22:15	TWS
Vanadium - Total	16.9		0.52	MG/KG	6010	07/31/2008	22:15	TWS
Zinc - Total	70.0		2.1	MG/KG	6010	07/31/2008	22:15	TWS

Sample ID: AOC-C WEST WALL

Lab Sample ID: A8918704

Date Collected: 07/29/2008

Time Collected: 15:10

Date Received: 07/30/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2,4,5-Trichlorophenol	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2,4,6-Trichlorophenol	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2,4-Dichlorophenol	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2,4-Dimethylphenol	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2,4-Dinitrophenol	ND		370	UG/KG	8270	08/02/2008	03:24	AJ
2,4-Dinitrotoluene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2,6-Dinitrotoluene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2-Chloronaphthalene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2-Chlorophenol	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2-Methylnaphthalene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2-Methylphenol	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
2-Nitroaniline	ND		370	UG/KG	8270	08/02/2008	03:24	AJ
2-Nitrophenol	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
3,3'-Dichlorobenzidine	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
3-Nitroaniline	ND		370	UG/KG	8270	08/02/2008	03:24	AJ
4,6-Dinitro-2-methylphenol	ND		370	UG/KG	8270	08/02/2008	03:24	AJ
4-Bromophenyl phenyl ether	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
4-Chloro-3-methylphenol	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
4-Chloroaniline	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
4-Chlorophenyl phenyl ether	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
4-Methylphenol	14	J	190	UG/KG	8270	08/02/2008	03:24	AJ
4-Nitroaniline	ND		370	UG/KG	8270	08/02/2008	03:24	AJ
4-Nitrophenol	ND		370	UG/KG	8270	08/02/2008	03:24	AJ
Acenaphthene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Acenaphthylene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Acetophenone	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Anthracene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Atrazine	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Benzaldehyde	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Benzo(a)anthracene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Benzo(a)pyrene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Benzo(b)fluoranthene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Benzo(ghi)perylene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Benzo(k)fluoranthene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Benzoic acid	ND		5400	UG/KG	8270	08/02/2008	03:24	AJ
Biphenyl	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Bis(2-chloroethoxy) methane	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Bis(2-chloroethyl) ether	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Butyl benzyl phthalate	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Caprolactam	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Carbazole	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Chrysene	25	BJ	190	UG/KG	8270	08/02/2008	03:24	AJ
Di-n-butyl phthalate	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Di-n-octyl phthalate	170	J	190	UG/KG	8270	08/02/2008	03:24	AJ
Dibenzo(a,h)anthracene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Dibenzofuran	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Diethyl phthalate	ND		190	UG/KG	8270	08/02/2008	03:24	AJ

Sample ID: AOC-C WEST WALL

Date Received: 07/30/2008

Lab Sample ID: A8918704

Project No: NY5A9454

Date Collected: 07/29/2008

Client No: 135066

Time Collected: 15:10

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Fluoranthene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Fluorene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Hexachlorobenzene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Hexachlorobutadiene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Hexachlorocyclopentadiene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Hexachloroethane	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Indeno(1,2,3-cd)pyrene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Isophorone	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
N-Nitroso-Di-n-propylamine	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
N-nitrosodiphenylamine	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Naphthalene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Nitrobenzene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Pentachlorophenol	ND		370	UG/KG	8270	08/02/2008	03:24	AJ
Phenanthrene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Phenol	ND		190	UG/KG	8270	08/02/2008	03:24	AJ
Pyrene	ND		190	UG/KG	8270	08/02/2008	03:24	AJ

Metals Analysis

Aluminum - Total	13500		12.5	MG/KG	6010	07/31/2008	22:21	TWS
Antimony - Total	ND		18.7	MG/KG	6010	07/31/2008	22:21	TWS
Arsenic - Total	13.2		2.5	MG/KG	6010	07/31/2008	22:21	TWS
Barium - Total	73.5		0.62	MG/KG	6010	07/31/2008	22:21	TWS
Beryllium - Total	0.35		0.25	MG/KG	6010	07/31/2008	22:21	TWS
Cadmium - Total	0.36		0.25	MG/KG	6010	07/31/2008	22:21	TWS
Calcium - Total	9500		62.5	MG/KG	6010	07/31/2008	22:21	TWS
Chromium - Total	18.2		0.62	MG/KG	6010	07/31/2008	22:21	TWS
Cobalt - Total	11.2		0.62	MG/KG	6010	07/31/2008	22:21	TWS
Copper - Total	15.0		1.2	MG/KG	6010	07/31/2008	22:21	TWS
Iron - Total	27100		12.5	MG/KG	6010	07/31/2008	22:21	TWS
Lead - Total	12.9		1.2	MG/KG	6010	07/31/2008	22:21	TWS
Magnesium - Total	4010		25.0	MG/KG	6010	07/31/2008	22:21	TWS
Manganese - Total	620		0.25	MG/KG	6010	07/31/2008	22:21	TWS
Mercury - Total	0.046		0.023	MG/KG	7471	07/31/2008	18:05	MM
Nickel - Total	22.2		0.62	MG/KG	6010	07/31/2008	22:21	TWS
Potassium - Total	782		37.5	MG/KG	6010	07/31/2008	22:21	TWS
Selenium - Total	ND		5.0	MG/KG	6010	07/31/2008	22:21	TWS
Silver - Total	ND		0.62	MG/KG	6010	07/31/2008	22:21	TWS
Sodium - Total	ND		175	MG/KG	6010	07/31/2008	22:21	TWS
Thallium - Total	ND		7.5	MG/KG	6010	07/31/2008	22:21	TWS
Vanadium - Total	18.3		0.62	MG/KG	6010	07/31/2008	22:21	TWS
Zinc - Total	56.1		2.5	MG/KG	6010	07/31/2008	22:21	TWS

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client OP TECH		Project Manager Tom RENGERT		Date 7/29/08	Chain of Custody Number 395195
Address 6392 DEERE RD		Telephone Number (Area Code)/Fax Number		Lab Number	Page 1 of 1

City SYRACUSE	State NY	Zip Code 13206	Site Contact	Lab Contact R. Lafond / K. Dahl	Analysis (Attach list if more space is needed) 8270 (5100) METALS 5010 B DIOXINS Dioxins/Furans -PCDDs -PCDF
Project Name and Location (State) CAMP GEORGETOWN/POST EXCAVATION Samples			Carrier/Waybill Number		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Special Instructions/ Conditions of Receipt				
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH					
AOC-C North wall	7/29/08	3:05			X							X	X	X	X	X	Dioxins D. Furans W. Substances -R
AOC-C - EAST wall	7/29/08	3:15			X							X	X	X	X	X	
AOC-C - South wall	7/29/08	3:00			X							X	X	X	X	X	
AOC-C - West wall	7/29/08	3:10			X							X	X	X	X	X	
AOC-C - BOTTOM	7/29/08	3:20			X							X	X	X	X	X	

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	QC Requirements (Specify) Category A
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------

1. Relinquished By <i>[Signature]</i>	Date 7/29/08	Time 3:58	1. Received By <i>[Signature]</i>	Date 7/29/08	Time 17:09
2. Relinquished By <i>[Signature]</i>	Date 7/29/08	Time 17:10	2. Received By R. ENGLISH	Date 07/29/08	Time 17:10
3. Relinquished By R. ENGLISH	Date 07/29/08	Time 18:30	3. Received By UBell	Date 7/30/08	Time 09:15

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

4-00c

23/24

Chain of Custody Record

TAL-4142 (0907)

Client: **OP-TECH ENV. SUS** Project Manager: **TOM Rensjert** Date: **07/29/08** Chain of Custody Number: **395200**
 Address: **6392 Deere Rd** Telephone Number (Area Code)/Fax Number: **315-837-4977** Lab Number: _____ Page: **1** of **1**

City: **Syracuse** State: **NY** Zip Code: _____ Site Contact: **JOE Farrell** Lab Contact: _____
 Project Name and Location (State): **Camp Georgetown** Carrier/Waybill Number: _____
 Analysis (Attach list if more space is needed): _____
 Special Instructions/Conditions of Receipt: _____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis	Special Instructions/Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
72908-C-A	7/29/08	0710 1500	/												230X 480 = 110,400
72908-C-B	7/29/08	0720 1510	/												231 X 490 = 110,400
72908-C-C	7/29/08	0730 1520	/												230 X 480 = 110,400
72908-C-D	7/27/08	0705 1530	/												230 X 500 = 115,000

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown 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: Joe Farrell	Date: 7/29/08	Time: 17:09	1. Received By: Rensjert	Date: 07/29/08	Time: 17:10
2. Relinquished By: Rensjert	Date: 07/29/08	Time: 18:30	2. Received By: Upell	Date: 7/30/08	Time: 00:00
3. Relinquished By: _____	Date: _____	Time: _____	3. Received By: _____	Date: _____	Time: _____

Comments: _____

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

4.0°
4.0°

P6

2A/24

OP-TECH Environmental

Client Sample ID: AOC-C NORTH WALL

Trace Level Organic Compounds

Lot-Sample #...: G8G290278-001 Work Order #...: KTCTD1AC Matrix.....: SOLID
 Date Sampled...: 07/29/08 Date Received..: 07/30/08
 Prep Date.....: 07/30/08 Analysis Date..: 08/07/08
 Prep Batch #...: 8212491
 Dilution Factor: 1
 % Moisture.....: 14

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	5.4		pg/g	SW846 8290
Total TCDD	22		pg/g	SW846 8290
1,2,3,7,8-PeCDD	140		pg/g	SW846 8290
Total PeCDD	320		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	440		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	3100		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	980		pg/g	SW846 8290
Total HxCDD	9000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	100000 E,D		pg/g	SW846 8290
Total HpCDD	160000		pg/g	SW846 8290
OCDD	390000 E,D		pg/g	SW846 8290
2,3,7,8-TCDF	4.0 CON		pg/g	SW846 8290
Total TCDF	95		pg/g	SW846 8290
1,2,3,7,8-PeCDF	24		pg/g	SW846 8290
2,3,4,7,8-PeCDF	20		pg/g	SW846 8290
Total PeCDF	900		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	240		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	300		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	130		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND G	19	pg/g	SW846 8290
Total HxCDF	17000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	20000 D		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	660 D		pg/g	SW846 8290
Total HpCDF	110000		pg/g	SW846 8290
OCDF	99000 D		pg/g	SW846 8290

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	90	(40 - 135)
13C-1,2,3,7,8-PeCDD	84	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	122	(40 - 135)
13C-OCDD	175 *	(40 - 135)
13C-2,3,7,8-TCDF	93	(40 - 135)
13C-1,2,3,7,8-PeCDF	80	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	118	(40 - 135)

(Continued on next page)

OP-TECH Environmental

Client Sample ID: AOC-C NORTH WALL

Trace Level Organic Compounds

Lot-Sample #...: G8G290278-001 Work Order #...: KTCTD1AC Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

D Result was obtained from the analysis of a dilution.

CON Confirmation analysis.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: AOC-C EAST WALL

Trace Level Organic Compounds

Lot-Sample #...: G8G290278-002 Work Order #...: KTCTE1AC Matrix.....: SOLID
 Date Sampled...: 07/29/08 Date Received..: 07/30/08
 Prep Date.....: 07/30/08 Analysis Date..: 08/07/08
 Prep Batch #...: 8212491
 Dilution Factor: 1
 % Moisture.....: 6.2

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	7.1		pg/g	SW846 8290
Total TCDD	38		pg/g	SW846 8290
1,2,3,7,8-PeCDD	260		pg/g	SW846 8290
Total PeCDD	480		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	1100		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	7200 E		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	2200		pg/g	SW846 8290
Total HxCDD	21000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	250000 E,D		pg/g	SW846 8290
Total HpCDD	380000		pg/g	SW846 8290
OCDD	960000 E,D		pg/g	SW846 8290
2,3,7,8-TCDF	2.8 CON		pg/g	SW846 8290
Total TCDF	49		pg/g	SW846 8290
1,2,3,7,8-PeCDF	24		pg/g	SW846 8290
2,3,4,7,8-PeCDF	25		pg/g	SW846 8290
Total PeCDF	800		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	360		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	280		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	220		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	11		pg/g	SW846 8290
Total HxCDF	32000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	59000 D		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	1700 D		pg/g	SW846 8290
Total HpCDF	310000		pg/g	SW846 8290
OCDF	250000 D		pg/g	SW846 8290

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	90	(40 - 135)
13C-1,2,3,7,8-PeCDD	91	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	123	(40 - 135)
13C-OCDD	189 *	(40 - 135)
13C-2,3,7,8-TCDF	92	(40 - 135)
13C-1,2,3,7,8-PeCDF	77	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	89	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	105	(40 - 135)

(Continued on next page)

OP-TECH Environmental

Client Sample ID: AOC-C EAST WALL

Trace Level Organic Compounds

Lot-Sample #...: G8G290278-002 Work Order #...: KTCTE1AC Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

D Result was obtained from the analysis of a dilution.

CON Confirmation analysis.

* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: AOC-C SOUTH WALL

Trace Level Organic Compounds

Lot-Sample #...: G8G290278-003 Work Order #...: KTCTF1AC Matrix.....: SOLID
 Date Sampled...: 07/29/08 Date Received..: 07/30/08
 Prep Date.....: 07/30/08 Analysis Date..: 08/07/08
 Prep Batch #...: 8212491
 Dilution Factor: 1
 % Moisture.....: 8.6

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	2.3		pg/g	SW846 8290
Total TCDD	30		pg/g	SW846 8290
1,2,3,7,8-PeCDD	19		pg/g	SW846 8290
Total PeCDD	37		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	45		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	190		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	91		pg/g	SW846 8290
Total HxCDD	720		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	7100 D		pg/g	SW846 8290
Total HpCDD	11000		pg/g	SW846 8290
OCDD	52000 D		pg/g	SW846 8290
2,3,7,8-TCDF	ND CON	1.9	pg/g	SW846 8290
Total TCDF	12		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	3.6	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	3.7	pg/g	SW846 8290
Total PeCDF	82		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	35		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	19		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	16		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.9	pg/g	SW846 8290
Total HxCDF	1600		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	2300		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	190		pg/g	SW846 8290
Total HpCDF	13000		pg/g	SW846 8290
OCDF	23000 D		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	129	(40 - 135)
13C-OCDD	154 *	(40 - 135)
13C-2,3,7,8-TCDF	93	(40 - 135)
13C-1,2,3,7,8-PeCDF	72	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	103	(40 - 135)

(Continued on next page)

OP-TECH Environmental

Client Sample ID: AOC-C SOUTH WALL

Trace Level Organic Compounds

Lot-Sample #...: G8G290278-003 Work Order #...: KTCTF1AC Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

CON Confirmation analysis.

* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: AOC-C WEST WALL

Trace Level Organic Compounds

Lot-Sample #...: G8G290278-004 Work Order #...: KTCTG1AC Matrix.....: SOLID
 Date Sampled...: 07/29/08 Date Received...: 07/30/08
 Prep Date.....: 07/30/08 Analysis Date...: 08/09/08
 Prep Batch #...: 8212491
 Dilution Factor: 1
 % Moisture.....: 12

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.69	pg/g	SW846 8290
Total TCDD	ND	0.69	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	4.5	pg/g	SW846 8290
Total PeCDD	ND	4.5	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	8.6 J		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	39		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	22		pg/g	SW846 8290
Total HxCDD	160		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	1300		pg/g	SW846 8290
Total HpCDD	2000		pg/g	SW846 8290
OCDD	7600		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.41	pg/g	SW846 8290
Total TCDF	ND	0.41	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.65	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.67	pg/g	SW846 8290
Total PeCDF	ND	4.4	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	3.9	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	3.4	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	3.5	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.9	pg/g	SW846 8290
Total HxCDF	220		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	300		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	13		pg/g	SW846 8290
Total HpCDF	1300		pg/g	SW846 8290
OCDF	1700		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	90	(40 - 135)
13C-1,2,3,7,8-PeCDD	83	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	98	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
13C-OCDD	108	(40 - 135)
13C-2,3,7,8-TCDF	86	(40 - 135)
13C-1,2,3,7,8-PeCDF	80	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	94	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-C BOTTOM

Trace Level Organic Compounds

Lot-Sample #...: G8G290278-005 Work Order #...: KTCTH1AC Matrix.....: SOLID
 Date Sampled...: 07/29/08 Date Received...: 07/30/08
 Prep Date.....: 07/30/08 Analysis Date...: 08/08/08
 Prep Batch #...: 8212491
 Dilution Factor: 1
 % Moisture.....: 8.1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.88	pg/g	SW846 8290
Total TCDD	4.8		pg/g	SW846 8290
1,2,3,7,8-PeCDD	15		pg/g	SW846 8290
Total PeCDD	22		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	40		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	300		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	100		pg/g	SW846 8290
Total HxCDD	910		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	11000 D		pg/g	SW846 8290
Total HpCDD	16000		pg/g	SW846 8290
OCDD	58000 D		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.77	pg/g	SW846 8290
Total TCDF	6.2		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	3.1	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	3.1	pg/g	SW846 8290
Total PeCDF	50		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	31		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	21		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	20		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.2	pg/g	SW846 8290
Total HxCDF	2100		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	2200		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	100		pg/g	SW846 8290
Total HpCDF	11000		pg/g	SW846 8290
OCDF	17000 D		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	94	(40 - 135)
13C-1,2,3,7,8-PeCDD	85	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	98	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	102	(40 - 135)
13C-OCDD	121	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
13C-1,2,3,7,8-PeCDF	84	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	110	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

OP-TECH Environmental

Client Sample ID: AOC-C NORTH WALL

General Chemistry

Lot-Sample #...: G8G290278-001 Work Order #...: KTCTD Matrix.....: SOLID
Date Sampled...: 07/29/08 Date Received...: 07/30/08
% Moisture.....: 14

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	14.0	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212413
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-C EAST WALL

General Chemistry

Lot-Sample #...: G8G290278-002 Work Order #...: KTCTE Matrix.....: SOLID
Date Sampled...: 07/29/08 Date Received...: 07/30/08
% Moisture.....: 6.2

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	6.2	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212413
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-C SOUTH WALL

General Chemistry

Lot-Sample #...: G8G290278-003 Work Order #...: KTCTF Matrix.....: SOLID
Date Sampled...: 07/29/08 Date Received..: 07/30/08
% Moisture.....: 8.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.6	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212413
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-C WEST WALL

General Chemistry

Lot-Sample #...: G8G290278-004 Work Order #...: KTCTG Matrix.....: SOLID
Date Sampled...: 07/29/08 Date Received..: 07/30/08
% Moisture.....: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	12.1	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212413
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-C BOTTOM

General Chemistry

Lot-Sample #...: G8G290278-005 Work Order #...: KTCTH Matrix.....: SOLID
Date Sampled...: 07/29/08 Date Received..: 07/30/08
% Moisture.....: 8.1

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.1	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212413
		Dilution Factor: 1		MDL.....: 0.10		

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8G290278
 MB Lot-Sample #: G8G300000-491

Work Order #...: KTERK1AA

Matrix.....: SOLID

Prep Date.....: 07/30/08

Analysis Date...: 08/09/08

Prep Batch #...: 8212491

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.44	pg/g	SW846 8290
Total TCDD	ND	0.44	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.62	pg/g	SW846 8290
Total PeCDD	ND	0.62	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.71	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.61	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.63	pg/g	SW846 8290
Total HxCDD	ND	0.71	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.68	pg/g	SW846 8290
Total HpCDD	ND	0.68	pg/g	SW846 8290
OCDD	ND	0.81	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.30	pg/g	SW846 8290
Total TCDF	ND	0.30	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.48	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.50	pg/g	SW846 8290
Total PeCDF	ND	0.50	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.77	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.72	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.78	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.85	pg/g	SW846 8290
Total HxCDF	ND	0.85	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.32	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.37	pg/g	SW846 8290
Total HpCDF	ND	0.37	pg/g	SW846 8290
OCDF	ND	0.89	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	95	(40 - 135)
13C-1,2,3,7,8-PeCDD	92	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	100	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 135)
13C-OCDD	86	(40 - 135)
13C-2,3,7,8-TCDF	93	(40 - 135)
13C-1,2,3,7,8-PeCDF	90	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G290278 Work Order #...: KTERK1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8G300000-491
 Prep Date.....: 07/30/08 Analysis Date...: 08/09/08
 Prep Batch #...: 8212491
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	121	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	126	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	114	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	129	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	124	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	124	(82 - 134)	SW846 8290
OCDD	121	(74 - 144)	SW846 8290
2,3,7,8-TCDF	125	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	130 a	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	133	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	133 a	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	143	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	141	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	136	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	127	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	118	(78 - 130)	SW846 8290
OCDF	129	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	90	(40 - 135)
13C-1,2,3,7,8-PeCDD	88	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	91	(40 - 135)
13C-1,2,3,7,8-PeCDF	85	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G290278 Work Order #...: KTERK1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8G300000-491
 Prep Date.....: 07/30/08 Analysis Date...: 08/09/08
 Prep Batch #...: 8212491
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	40.0	48.3	pg/g	121	SW846 8290
1,2,3,7,8-PeCDD	200	252	pg/g	126	SW846 8290
1,2,3,4,7,8-HxCDD	200	227	pg/g	114	SW846 8290
1,2,3,6,7,8-HxCDD	200	258	pg/g	129	SW846 8290
1,2,3,7,8,9-HxCDD	200	248	pg/g	124	SW846 8290
1,2,3,4,6,7,8-HpCDD	200	247	pg/g	124	SW846 8290
OCDD	400	485	pg/g	121	SW846 8290
2,3,7,8-TCDF	40.0	49.9	pg/g	125	SW846 8290
1,2,3,7,8-PeCDF	200	259 a	pg/g	130	SW846 8290
2,3,4,7,8-PeCDF	200	266	pg/g	133	SW846 8290
1,2,3,4,7,8-HxCDF	200	265 a	pg/g	133	SW846 8290
1,2,3,6,7,8-HxCDF	200	286	pg/g	143	SW846 8290
2,3,4,6,7,8-HxCDF	200	282	pg/g	141	SW846 8290
1,2,3,7,8,9-HxCDF	200	272	pg/g	136	SW846 8290
1,2,3,4,6,7,8-HpCDF	200	254	pg/g	127	SW846 8290
1,2,3,4,7,8,9-HpCDF	200	235	pg/g	118	SW846 8290
OCDF	400	514	pg/g	129	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	90	(40 - 135)
13C-1,2,3,7,8-PeCDD	88	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	91	(40 - 135)
13C-1,2,3,7,8-PeCDF	85	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G290278 Work Order #...: KTCTD1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: G8G290278-001 KTCTD1AE-MSD
 Date Sampled...: 07/29/08 Date Received...: 07/30/08
 Prep Date.....: 07/30/08 Analysis Date...: 08/07/08
 Prep Batch #...: 8212491
 Dilution Factor: 1 % Moisture.....: 14

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
2,3,7,8-TCDD	125	(82 - 125)			SW846 8290
	130 a	(82 - 125)	3.4	(0-20)	SW846 8290
1,2,3,7,8-PeCDD	126	(81 - 128)			SW846 8290
	119	(81 - 128)	3.8	(0-20)	SW846 8290
1,2,3,4,7,8-HxCDD	190 a	(72 - 134)			SW846 8290
	170 a	(72 - 134)	5.3	(0-20)	SW846 8290
1,2,3,6,7,8-HxCDD	313 a	(82 - 133)			SW846 8290
	437 a	(82 - 133)	7.3	(0-20)	SW846 8290
1,2,3,7,8,9-HxCDD	226 a	(71 - 129)			SW846 8290
	155 a	(71 - 129)	12	(0-20)	SW846 8290
1,2,3,4,6,7,8-HpCDD	2260 a,E,	(82 - 134)			SW846 8290
	6440	(82 - 134)	8.5	(0-20)	SW846 8290
	Qualifiers: a,E,DE,D				
OCDD	1150	(74 - 144)			SW846 8290
	Qualifiers: a,E,DE,D				
	3780	(74 - 144)	3.0	(0-20)	SW846 8290
	Qualifiers: a,E,DE,D				
2,3,7,8-TCDF	114 CON	(80 - 132)			SW846 8290
	113 CON	(80 - 132)	0.98	(0-20)	SW846 8290
1,2,3,7,8-PeCDF	124	(86 - 129)			SW846 8290
	123	(86 - 129)	0.73	(0-20)	SW846 8290
2,3,4,7,8-PeCDF	116	(84 - 136)			SW846 8290
	136	(84 - 136)	15	(0-20)	SW846 8290
1,2,3,4,7,8-HxCDF	142 a	(83 - 132)			SW846 8290
	151 a	(83 - 132)	3.7	(0-20)	SW846 8290
1,2,3,6,7,8-HxCDF	39 a	(74 - 148)			SW846 8290
	34 a	(74 - 148)	3.0	(0-20)	SW846 8290
2,3,4,6,7,8-HxCDF	121	(75 - 151)			SW846 8290
	126	(75 - 151)	2.7	(0-20)	SW846 8290
1,2,3,7,8,9-HxCDF	123	(70 - 143)			SW846 8290
	126	(70 - 143)	2.0	(0-20)	SW846 8290
1,2,3,4,6,7,8-HpCDF	2250 a,D	(85 - 130)			SW846 8290
	1940 a,D	(85 - 130)	3.0	(0-20)	SW846 8290
1,2,3,4,7,8,9-HpCDF	202 a,D	(78 - 130)			SW846 8290
	206 a,D	(78 - 130)	0.87	(0-20)	SW846 8290
OCDF	2070 a,D	(77 - 143)			SW846 8290
	4210 a,DD	(77 - 143)	8.8	(0-20)	SW846 8290

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G290278
MS Lot-Sample #: G8G290278-001

Work Order #...: KTCTD1AD-MS
KTCTD1AE-MSD

Matrix.....: SOLID

<u>INTERNAL STANDARDS</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	86	(40 - 135)
	88	(40 - 135)
13C-1,2,3,7,8-PeCDD	79	(40 - 135)
	89	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	82	(40 - 135)
	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	132	(40 - 135)
	132	(40 - 135)
13C-OCDD	191 *	(40 - 135)
	192 *	(40 - 135)
13C-2,3,7,8-TCDF	88	(40 - 135)
	94	(40 - 135)
13C-1,2,3,7,8-PeCDF	78	(40 - 135)
	77	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	82	(40 - 135)
	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	109	(40 - 135)
	115	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

E Estimated result. Result concentration exceeds the calibration range.

D Result was obtained from the analysis of a dilution.

CON Confirmation analysis.

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G290278 Work Order #...: KTCTD1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: G8G290278-001 KTCTD1AE-MSD
 Date Sampled...: 07/29/08 Date Received...: 07/30/08
 Prep Date.....: 07/30/08 Analysis Date...: 08/07/08
 Prep Batch #...: 8212491
 Dilution Factor: 1 % Moisture.....: 14

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,3,7,8-TCDD	5.4	46.5	63.6	pg/g	125		SW846 8290
	5.4	46.5	65.8	pg/g	130 a	3.4	SW846 8290
1,2,3,7,8-PeCDD	140	233	435	pg/g	126		SW846 8290
	140	233	418	pg/g	119	3.8	SW846 8290
1,2,3,4,7,8-HxCDD	440	233	884	pg/g	190 a		SW846 8290
	440	233	838	pg/g	170 a	5.3	SW846 8290
1,2,3,6,7,8-HxCDD	3100	233	3810	pg/g	313 a		SW846 8290
	3100	233	4100	pg/g	437 a	7.3	SW846 8290
1,2,3,7,8,9-HxCDD	980	233	1500	pg/g	226 a		SW846 8290
	980	233	1340	pg/g	155 a	12	SW846 8290
1,2,3,4,6,7,8-HpCDD	100000	233	109000	pg/g	2260		SW846 8290
			Qualifiers: a,E,D				
	100000	233	119000	pg/g	6440	8.5	SW846 8290
			Qualifiers: a,E,DE,D				
OCDD	390000	465	397000	pg/g	1150		SW846 8290
			Qualifiers: a,E,DE,D				
	390000	465	409000	pg/g	3780	3.0	SW846 8290
			Qualifiers: a,E,DE,D				
2,3,7,8-TCDF	4.0	46.5	57.2	pg/g	114		SW846 8290
			Qualifiers: CON				
	4.0	46.5	56.6	pg/g	113	0.98	SW846 8290
			Qualifiers: CON				
1,2,3,7,8-PeCDF	24	233	313	pg/g	124		SW846 8290
	24	233	311	pg/g	123	0.73	SW846 8290
2,3,4,7,8-PeCDF	20	233	291	pg/g	116		SW846 8290
	20	233	336	pg/g	136	15	SW846 8290
1,2,3,4,7,8-HxCDF	240	233	567	pg/g	142 a		SW846 8290
	240	233	588	pg/g	151 a	3.7	SW846 8290
1,2,3,6,7,8-HxCDF	300	233	394	pg/g	39 a		SW846 8290
	300	233	383	pg/g	34 a	3.0	SW846 8290
2,3,4,6,7,8-HxCDF	130	233	410	pg/g	121		SW846 8290
	130	233	421	pg/g	126	2.7	SW846 8290
1,2,3,7,8,9-HxCDF	ND	233	287	pg/g	123		SW846 8290
	ND	233	293	pg/g	126	2.0	SW846 8290
1,2,3,4,6,7,8-HpCDF	20000	233	24800	pg/g	2250		SW846 8290
			Qualifiers: a,D				
	20000	233	24100	pg/g	1940	3.0	SW846 8290
			Qualifiers: a,D				
1,2,3,4,7,8,9-HpCDF	660	233	1130	pg/g	202		SW846 8290
			Qualifiers: a,D				
	660	233	1140	pg/g	206	0.87	SW846 8290
			Qualifiers: a,D				

(Continued on next page)

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G8G290278

Work Order #...: KTA89-SMP
KTA89-DUP

Matrix.....: SOLID

Date Sampled...: 07/28/08

Date Received...: 07/29/08

% Moisture.....: 1.3

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>				<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	1.3	ND	%	200	(0-20)	ASTM D 2216-90	SD Lot-Sample #: G8G290187-022	07/30-07/31/08	8212413

Dilution Factor: 1

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-C NORTH WALL

Lot-Sample #...: G8G290278 - 001
 Date Sampled...: 07/29/08
 Prep Date.....: 07/30/08
 Prep Batch #...: 8212491

Work Order #...: KTCTD1AC
 Date Received..: 07/30/08
 Analysis Date..: 08/07/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 14

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	5.4		1.000	5.4000
Total TCDD	22			
1,2,3,7,8-PeCDD	140		0.500	70.0000
Total PeCDD	320			
1,2,3,4,7,8-HxCDD	440		0.100	44.0000
1,2,3,6,7,8-HxCDD	3100		0.100	310.0000
1,2,3,7,8,9-HxCDD	980		0.100	98.0000
Total HxCDD	9000			
1,2,3,4,6,7,8-HpCDD	100000	E D	0.010	1000.0000
Total HpCDD	160000			
OCDD	390000	E D	0.001	390.0000
2,3,7,8-TCDF	4.0	CON	0.100	0.4000
Total TCDF	95			
1,2,3,7,8-PeCDF	24		0.050	1.2000
2,3,4,7,8-PeCDF	20		0.500	10.0000
Total PeCDF	900			
1,2,3,4,7,8-HxCDF	240		0.100	24.0000
1,2,3,6,7,8-HxCDF	300		0.100	30.0000
2,3,4,6,7,8-HxCDF	130		0.100	13.0000
1,2,3,7,8,9-HxCDF	ND	G 19	0.100	0
Total HxCDF	17000			
1,2,3,4,6,7,8-HpCDF	20000	D	0.010	200.0000
1,2,3,4,7,8,9-HpCDF	660	D	0.010	6.6000
Total HpCDF	110000			
OCDF	99000	D	0.001	99.0000
Total TEQ Concentration				2301.6000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	40 - 135
13C-1,2,3,7,8-PeCDD	84	40 - 135
13C-1,2,3,6,7,8-HxCDD	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	122	40 - 135
13C-OCDD	175 *	40 - 135
13C-2,3,7,8-TCDF	93	40 - 135
13C-1,2,3,7,8-PeCDF	80	40 - 135
13C-1,2,3,4,7,8-HxCDF	85	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	118	40 - 135

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)
Client Sample ID: AOC-C NORTH WALL

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/R-89/016

- * Surrogate recovery is outside stated control limits.
- CON Confirmation analysis.
- D Result was obtained from the analysis of a dilution.
- E Estimated result. Result concentration exceeds the calibration range.
- G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-C EAST WALL

Lot-Sample #...: G8G290278 - 002
 Date Sampled...: 07/29/08
 Prep Date.....: 07/30/08
 Prep Batch #...: 8212491

Work Order #...: KTCTE1AC
 Date Received..: 07/30/08
 Analysis Date..: 08/07/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 6.2

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	7.1		1.000	7.1000
Total TCDD	38			
1,2,3,7,8-PeCDD	260		0.500	130.0000
Total PeCDD	480			
1,2,3,4,7,8-HxCDD	1100		0.100	110.0000
1,2,3,6,7,8-HxCDD	7200	E	0.100	720.0000
1,2,3,7,8,9-HxCDD	2200		0.100	220.0000
Total HxCDD	21000			
1,2,3,4,6,7,8-HpCDD	250000	E D	0.010	2500.0000
Total HpCDD	380000			
OCDD	960000	E D	0.001	960.0000
2,3,7,8-TCDF	2.8	CON	0.100	0.2800
Total TCDF	49			
1,2,3,7,8-PeCDF	24		0.050	1.2000
2,3,4,7,8-PeCDF	25		0.500	12.0000
Total PeCDF	800			
1,2,3,4,7,8-HxCDF	360		0.100	36.0000
1,2,3,6,7,8-HxCDF	280		0.100	28.0000
2,3,4,6,7,8-HxCDF	220		0.100	22.0000
1,2,3,7,8,9-HxCDF	11		0.100	1.1000
Total HxCDF	32000			
1,2,3,4,6,7,8-HpCDF	59000	D	0.010	590.0000
1,2,3,4,7,8,9-HpCDF	1700	D	0.010	17.0000
Total HpCDF	310000			
OCDF	250000	D	0.001	250.0000
Total TEQ Concentration				5604.6800

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	40 - 135
13C-1,2,3,7,8-PeCDD	91	40 - 135
13C-1,2,3,6,7,8-HxCDD	91	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	123	40 - 135
13C-OCDD	189 *	40 - 135
13C-2,3,7,8-TCDF	92	40 - 135
13C-1,2,3,7,8-PeCDF	77	40 - 135
13C-1,2,3,4,7,8-HxCDF	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	105	40 - 135

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)
Client Sample ID: AOC-C EAST WALL

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/3-R9/016

- * Surrogate recovery is outside stated control limits.
- CON Confirmation analysis.
- D Result was obtained from the analysis of a dilution.
- E Estimated result. Result concentration exceeds the calibration range.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-C SOUTH WALL

Lot-Sample #...: G8G290278 - 003
 Date Sampled...: 07/29/08
 Prep Date.....: 07/30/08
 Prep Batch #...: 8212491

Work Order #...: KTCTFIAC
 Date Received..: 07/30/08
 Analysis Date...: 08/07/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 8.6

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	2.3		1.000	2.3000
Total TCDD	30			
1,2,3,7,8-PeCDD	19		0.500	9.5000
Total PeCDD	37			
1,2,3,4,7,8-HxCDD	45		0.100	4.5000
1,2,3,6,7,8-HxCDD	190		0.100	19.0000
1,2,3,7,8,9-HxCDD	91		0.100	9.1000
Total HxCDD	720			
1,2,3,4,6,7,8-HpCDD	7100	D	0.010	71.0000
Total HpCDD	11000			
OCDD	52000	D	0.001	52.0000
2,3,7,8-TCDF	ND	CON 1.9	0.100	0
Total TCDF	12			
1,2,3,7,8-PeCDF	ND	3.6	0.050	0
2,3,4,7,8-PeCDF	ND	3.7	0.500	0
Total PeCDF	82			
1,2,3,4,7,8-HxCDF	35		0.100	3.5000
1,2,3,6,7,8-HxCDF	19		0.100	1.9000
2,3,4,6,7,8-HxCDF	16		0.100	1.6000
1,2,3,7,8,9-HxCDF	ND	2.9	0.100	0
Total HxCDF	1600			
1,2,3,4,6,7,8-HpCDF	2300		0.010	23.0000
1,2,3,4,7,8,9-HpCDF	190		0.010	1.9000
Total HpCDF	13000			
OCDF	23000	D	0.001	23.0000
Total TEQ Concentration				222.3000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	81	40 - 135
13C-1,2,3,6,7,8-HxCDD	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	129	40 - 135
13C-OCDD	154 *	40 - 135
13C-2,3,7,8-TCDF	93	40 - 135
13C-1,2,3,7,8-PeCDF	72	40 - 135
13C-1,2,3,4,7,8-HxCDF	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	103	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

- * Surrogate recovery is outside stated control limits.
- CON Confirmation analysis.
- D Result was obtained from the analysis of a dilution.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-C WEST WALL

Lot-Sample #...: G8G290278 - 004
 Date Sampled...: 07/29/08
 Prep Date.....: 07/30/08
 Prep Batch #...: 8212491

Work Order #...: KTCTG1AC
 Date Received...: 07/30/08
 Analysis Date...: 08/09/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 12

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.69	1.000	0
Total TCDD	ND	0.69		0
1,2,3,7,8-PeCDD	ND	4.5	0.500	0
Total PeCDD	ND	4.5		0
1,2,3,4,7,8-HxCDD	8.6	J	0.100	0.8600
1,2,3,6,7,8-HxCDD	39		0.100	3.9000
1,2,3,7,8,9-HxCDD	22		0.100	2.2000
Total HxCDD	160			
1,2,3,4,6,7,8-HpCDD	1300		0.010	13.0000
Total HpCDD	2000			
OCDD	7600		0.001	7.6000
2,3,7,8-TCDF	ND	0.41	0.100	0
Total TCDF	ND	0.41		0
1,2,3,7,8-PeCDF	ND	0.65	0.050	0
2,3,4,7,8-PeCDF	ND	0.67	0.500	0
Total PeCDF	ND	4.4		0
1,2,3,4,7,8-HxCDF	ND	3.9	0.100	0
1,2,3,6,7,8-HxCDF	ND	3.4	0.100	0
2,3,4,6,7,8-HxCDF	ND	3.5	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.9	0.100	0
Total HxCDF	220			
1,2,3,4,6,7,8-HpCDF	300		0.010	3.0000
1,2,3,4,7,8,9-HpCDF	13		0.010	0.1300
Total HpCDF	1300			
OCDF	1700		0.001	1.7000
Total TEQ Concentration				32.3900

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	40 - 135
13C-1,2,3,7,8-PeCDD	83	40 - 135
13C-1,2,3,6,7,8-HxCDD	98	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	91	40 - 135
13C-OCDD	108	40 - 135
13C-2,3,7,8-TCDF	86	40 - 135
13C-1,2,3,7,8-PeCDF	80	40 - 135
13C-1,2,3,4,7,8-HxCDF	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	94	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-C BOTTOM

Lot-Sample #...: G8G290278 - 005
 Date Sampled...: 07/29/08
 Prep Date.....: 07/30/08
 Prep Batch #...: 8212491

Work Order #...: KTCTH1AC
 Date Received..: 07/30/08
 Analysis Date..: 08/08/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 8.1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.88	1.000	0
Total TCDD	4.8			
1,2,3,7,8-PeCDD	15		0.500	7.5000
Total PeCDD	22			
1,2,3,4,7,8-HxCDD	40		0.100	4.0000
1,2,3,6,7,8-HxCDD	300		0.100	30.0000
1,2,3,7,8,9-HxCDD	100		0.100	10.0000
Total HxCDD	910			
1,2,3,4,6,7,8-HpCDD	11000 D		0.010	110.0000
Total HpCDD	16000			
OCDD	58000 D		0.001	58.0000
2,3,7,8-TCDF	ND	0.77	0.100	0
Total TCDF	6.2			
1,2,3,7,8-PeCDF	ND	3.1	0.050	0
2,3,4,7,8-PeCDF	ND	3.1	0.500	0
Total PeCDF	50			
1,2,3,4,7,8-HxCDF	31		0.100	3.1000
1,2,3,6,7,8-HxCDF	21		0.100	2.1000
2,3,4,6,7,8-HxCDF	20		0.100	2.0000
1,2,3,7,8,9-HxCDF	ND	2.2	0.100	0
Total HxCDF	2100			
1,2,3,4,6,7,8-HpCDF	2200		0.010	22.0000
1,2,3,4,7,8,9-HpCDF	100		0.010	1.0000
Total HpCDF	11000			
OCDF	17000 D		0.001	17.0000
Total TEQ Concentration				266.7000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	94	40 - 135
13C-1,2,3,7,8-PeCDD	85	40 - 135
13C-1,2,3,6,7,8-HxCDD	98	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	102	40 - 135
13C-OCDD	121	40 - 135
13C-2,3,7,8-TCDF	90	40 - 135
13C-1,2,3,7,8-PeCDF	84	40 - 135
13C-1,2,3,4,7,8-HxCDF	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	110	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

D Result was obtained from the analysis of a dilution.

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

Post Excavation Sampling Log
 TOTAL SAMPLES =

19

AOC D

No Pay

Compounds	Remediation Goals	AOC-D West Wall #1	AOC-D West Wall #2	AOC-D West Wall #3	AOC-D West Wall #4	AOC-D West Wall #5	AOC-D West Wall #6	AOC-D East Wall #1	AOC-D East Wall #2	AOC-D East Wall #3	AOC-D East Wall #4	AOC-D North Wall #1	AOC-D North Wall #2	AOC-D Bottom#1	AOC-D Bottom#2	AOC-D Bottom#3	AOC-D Bottom#4	AOC-D Bottom#5	AOC-D Bottom#6	AOC-D South Wall #1	AOC-D South Wall #2
benzo (a) anthracene	1 ppm	ND	ND	ND	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.065	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	0.8 ppm	ND	ND	0.6	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
arsenic	13 ppm	10.4	10.5	10.3	6.1	8	9.9	12.4	9	8.2	9.9	13.3	10.5	10.2	11.4	11.6	9.2	10.7	10.4	8.2	7.4
chromium	30 ppm	20.5	19.2	20.6	15.5	14.9	20.7	24.4	15.3	16.7	20	18.4	19.3	19.8	23.3	24.2	19.4	22.1	21.4	17.7	14.3
copper	50 ppm	16.9	20.8	17.7	12.1	13.6	16.6	17.8	14.1	13.7	18.4	15.9	16.4	18.2	19.4	17.2	14.3	16.7	15.3	19.1	11.8
2,3,7,8-TCDD TEQ	1 ppb	0.000089	0.014	0.023	0.044	0.015	0.051	0.00735	0.00001	0	0	0	0.000071	0	0.0013	0.0011	0.000089	0.000066	0	0.00072	0

ND = Non-Detect
 Bold and Yellow = Exceedance

West Wall #4 Sample was located at the outfall of AOC- I (Pipe). This sample area was excavated during AOC -I removal and does not exist. Sample West Wall #6 replaces West Wall #4

Post Excavation Sampling Log

AOC D

Compounds	Remediation Goals	AOC-D West Wall #1	AOC-D West Wall #2	AOC-D West Wall #3	AOC-D West Wall #4	AOC-D West Wall #5	AOC-D West Wall #6	AOC-D East Wall #1	AOC-D East Wall #2	AOC-D East Wall #3	AOC-D East Wall #4	AOC-D North Wall #1	AOC-D North Wall #2	AOC-D Bottom#1	AOC-D Bottom#2	AOC-D Bottom#3	AOC-D Bottom#4	AOC-D Bottom#5	AOC-D Bottom#6	AOC-D South Wall #1	AOC-D South Wall #2
benzo (a) anthracene	1 ppm	ND	ND	ND	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.065	ND	ND	ND	ND	ND	ND	ND	ND	ND
pentachlorophenol	0.8 ppm	ND	ND	0.6	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
arsenic	13 ppm	10.4	10.5	10.3	6.1	8	9.9	12.4	9	8.2	9.9	13.3	10.5	10.2	11.4	11.6	9.2	10.7	10.4	8.2	7.4
chromium	30 ppm	20.5	19.2	20.6	15.5	14.9	20.7	24.4	15.3	16.7	20	18.4	19.3	19.8	23.3	24.2	19.4	22.1	21.4	17.7	14.3
copper	50 ppm	16.9	20.8	17.7	12.1	13.6	16.6	17.8	14.1	13.7	18.4	15.9	16.4	18.2	19.4	17.2	14.3	16.7	15.3	19.1	11.8
2,3,7,8-TCDD TEQ	1 ppb	0.000089	0.014	0.023	0.044	0.015	0.051	0.00735	0.00001	0	0	0	0.000071	0	0.0013	0.0011	0.000089	0.000066	0	0.00072	0

ND = Non-Detect
 Bold and Yellow=
 Exceedance

West Wall #4 Sample was located at the outfall of AOC- I
 (Pipe). This sample area was excavated during AOC -I
 removal and does not exist. Sample West Wall #6 replaces
 West Wall #4

Sample ID: AOC-D EASTWALL#3

Date Received: 08/29/2008

Lab Sample ID: A8A58905

Project No: NY5A9454

Date Collected: 08/28/2008

Client No: 135066

Time Collected: 10:45

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/03/2008	14:58	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	14:58	JLG
Pentachlorophenol	ND		360	UG/KG	8270	09/03/2008	14:58	JLG
Metals Analysis								
Arsenic - Total	8.2		2.2	MG/KG	6010	09/03/2008	03:10	
Chromium - Total	16.7		0.55	MG/KG	6010	09/03/2008	03:10	
Copper - Total	13.7		1.1	MG/KG	6010	09/03/2008	03:10	

Sample ID: AOC-D EASTWALL#4

Date Received: 08/29/2008

Lab Sample ID: A8A58904

Project No: NY5A9454

Date Collected: 08/28/2008

Client No: 135066

Time Collected: 11:00

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/03/2008	14:34	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	14:34	JLG
Pentachlorophenol	ND		360	UG/KG	8270	09/03/2008	14:34	JLG
Metals Analysis								
Arsenic - Total	9.9		2.3	MG/KG	6010	09/03/2008	03:05	
Chromium - Total	20.0		0.57	MG/KG	6010	09/03/2008	03:05	
Copper - Total	18.4		1.1	MG/KG	6010	09/03/2008	03:05	

Sample ID: AOC-D NORTHWALL#1
 Lab Sample ID: A8A58902
 Date Collected: 08/28/2008
 Time Collected: 11:20

Date Received: 08/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		180	UG/KG	8270	09/03/2008	13:48	JLG
Bis(2-ethylhexyl) phthalate	65	J	180	UG/KG	8270	09/03/2008	13:48	JLG
Pentachlorophenol	ND		350	UG/KG	8270	09/03/2008	13:48	JLG
Metals Analysis								
Arsenic - Total	13.3		2.3	MG/KG	6010	09/03/2008	02:41	
Chromium - Total	18.4		0.57	MG/KG	6010	09/03/2008	02:41	
Copper - Total	15.9		1.1	MG/KG	6010	09/03/2008	02:41	

Sample ID: AOC-D NORTHWALL#2

Date Received: 08/29/2008

Lab Sample ID: A8A58903

Project No: NY5A9454

Date Collected: 08/28/2008

Client No: 135066

Time Collected: 11:40

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/03/2008	14:11	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	14:11	JLG
Pentachlorophenol	ND		370	UG/KG	8270	09/03/2008	14:11	JLG
Metals Analysis								
Arsenic - Total	10.5		2.4	MG/KG	6010	09/03/2008	02:47	
Chromium - Total	19.3		0.60	MG/KG	6010	09/03/2008	02:47	
Copper - Total	16.4		1.2	MG/KG	6010	09/03/2008	02:47	

Sample ID: AOC-D WESTWALL#1

Date Received: 08/29/2008

Lab Sample ID: A8A58906

Project No: NY5A9454

Date Collected: 08/28/2008

Client No: 135066

Time Collected: 11:55

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/03/2008	15:21	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	15:21	JLG
Pentachlorophenol	ND		370	UG/KG	8270	09/03/2008	15:21	JLG
Metals Analysis								
Arsenic - Total	10.4		2.2	MG/KG	6010	09/03/2008	03:15	
Chromium - Total	20.5		0.56	MG/KG	6010	09/03/2008	03:15	
Copper - Total	16.9		1.1	MG/KG	6010	09/03/2008	03:15	

Sample ID: AOC-D WESTWALL#2

Date Received: 08/29/2008

Lab Sample ID: A8A58907

Project No: NY5A9454

Date Collected: 08/28/2008

Client No: 135066

Time Collected: 12:05

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/03/2008	15:44	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	15:44	JLG
Pentachlorophenol	ND		370	UG/KG	8270	09/03/2008	15:44	JLG
Metals Analysis								
Arsenic - Total	10.5		2.3	MG/KG	6010	09/03/2008	03:20	
Chromium - Total	19.2		0.57	MG/KG	6010	09/03/2008	03:20	
Copper - Total	20.8		1.1	MG/KG	6010	09/03/2008	03:20	

Sample ID: AOC-D WESTWALL#3
 Lab Sample ID: A8A58908
 Date Collected: 08/28/2008
 Time Collected: 12:10

Date Received: 08/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/03/2008	16:07	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	16:07	JLG
Pentachlorophenol	600		370	UG/KG	8270	09/03/2008	16:07	JLG
Metals Analysis								
Arsenic - Total	10.3		2.1	MG/KG	6010	09/03/2008	03:25	
Chromium - Total	20.6		0.52	MG/KG	6010	09/03/2008	03:25	
Copper - Total	17.7		1.0	MG/KG	6010	09/03/2008	03:25	

Sample ID: AOC-D BOTTOM#1

Date Received: 09/03/2008

Lab Sample ID: A8A70703

Project No: NY5A9454

Date Collected: 09/02/2008

Client No: 135066

Time Collected: 14:30

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		180	UG/KG	8270	09/08/2008	12:34	AJ
Bis(2-ethylhexyl) phthalate	ND		180	UG/KG	8270	09/08/2008	12:34	AJ
Pentachlorophenol	ND		360	UG/KG	8270	09/08/2008	12:34	AJ
Metals Analysis								
Arsenic - Total	10.2		2.1	MG/KG	6010	09/05/2008	15:12	
Chromium - Total	19.8		0.52	MG/KG	6010	09/05/2008	15:12	
Copper - Total	18.2		1.0	MG/KG	6010	09/05/2008	15:12	

Sample ID: AOC-D BOTTOM#2
 Lab Sample ID: A8A70704
 Date Collected: 09/02/2008
 Time Collected: 14:40

Date Received: 09/03/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		180	UG/KG	8270	09/08/2008	12:57	AJ
Bis(2-ethylhexyl) phthalate	ND		180	UG/KG	8270	09/08/2008	12:57	AJ
Pentachlorophenol	ND		350	UG/KG	8270	09/08/2008	12:57	AJ
Metals Analysis								
Arsenic - Total	11.4		2.1	MG/KG	6010	09/05/2008	15:19	
Chromium - Total	23.3		0.53	MG/KG	6010	09/05/2008	15:19	
Copper - Total	19.4		1.1	MG/KG	6010	09/05/2008	15:19	

Sample ID: AOC-D BOTTOM#3

Date Received: 09/03/2008

Lab Sample ID: A8A70705

Project No: NY5A9454

Date Collected: 09/02/2008

Client No: 135066

Time Collected: 14:50

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		180	UG/KG	8270	09/08/2008	13:20	AJ
Bis(2-ethylhexyl) phthalate	ND		180	UG/KG	8270	09/08/2008	13:20	AJ
Pentachlorophenol	ND		360	UG/KG	8270	09/08/2008	13:20	AJ
Metals Analysis								
Arsenic - Total	11.6		2.3	MG/KG	6010	09/05/2008	15:24	
Chromium - Total	24.2		0.56	MG/KG	6010	09/05/2008	15:24	
Copper - Total	17.2		1.1	MG/KG	6010	09/05/2008	15:24	

Sample ID: AOC-D SOUTHWALL#1
 Lab Sample ID: A8A70706
 Date Collected: 09/02/2008
 Time Collected: 15:00

Date Received: 09/03/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/08/2008	13:43	AJ
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/08/2008	13:43	AJ
Pentachlorophenol	ND		370	UG/KG	8270	09/08/2008	13:43	AJ
Metals Analysis								
Arsenic - Total	8.2		2.2	MG/KG	6010	09/05/2008	15:29	
Chromium - Total	17.7		0.54	MG/KG	6010	09/05/2008	15:29	
Copper - Total	19.1		1.1	MG/KG	6010	09/05/2008	15:29	

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D NORTHWALL #1

Lot-Sample #...:	G8H290172 - 006	Work Order #...:	KV2FP2AC	Matrix....:	SOLID
Date Sampled...:	08/28/08	Date Received...:	08/29/08	Instrument:	9D5
Prep Date.....:	09/05/08	Analysis Date...:	09/09/08	Units.....:	pg/g
Prep Batch #...:	8253418	Dilution Factor:	1	% Moisture:	11

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.48	1.000	0
Total TCDD	ND	0.48		0
1,2,3,7,8-PeCDD	ND	1.7	0.500	0
Total PeCDD	ND	1.7		0
1,2,3,4,7,8-HxCDD	ND	1.2	0.100	0
1,2,3,6,7,8-HxCDD	ND	1.1	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.1	0.100	0
Total HxCDD	ND	1.2		0
1,2,3,4,6,7,8-HpCDD	ND	2.9	0.010	0
Total HpCDD	ND	2.9		0
OCDD	ND	22	0.001	0
2,3,7,8-TCDF	ND	0.71	0.100	0
Total TCDF	ND	0.71		0
1,2,3,7,8-PeCDF	ND	0.75	0.050	0
2,3,4,7,8-PeCDF	ND	0.79	0.500	0
Total PeCDF	ND	0.91		0
1,2,3,4,7,8-HxCDF	ND	0.98	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.82	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.93	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.0	0.100	0
Total HxCDF	ND	1.0		0
1,2,3,4,6,7,8-HpCDF	ND	6.4	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	2.9	0.010	0
Total HpCDF	ND	6.4		0
OCDF	ND	3.5	0.001	0
Total TEQ Concentration				0

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	68	40 - 135
13C-1,2,3,6,7,8-HxCDD	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	83	40 - 135
13C-OCDD	57	40 - 135
13C-2,3,7,8-TCDF	68	40 - 135
13C-1,2,3,7,8-PeCDF	72	40 - 135
13C-1,2,3,4,7,8-HxCDF	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	82	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D NORTHWALL #2

Lot-Sample #...:	G8H290172 - 007	Work Order #...:	KV2FR2AC	Matrix....:	SOLID
Date Sampled...:	08/28/08	Date Received...:	08/29/08	Instrument:	9D5
Prep Date.....:	09/05/08	Analysis Date..:	09/09/08	Units.....:	pg/g
Prep Batch #...:	8253418	Dilution Factor:	1	% Moisture:	9.3

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.53	1.000	0
Total TCDD	ND	0.53		0
1,2,3,7,8-PeCDD	ND	1.4	0.500	0
Total PeCDD	ND	1.4		0
1,2,3,4,7,8-HxCDD	ND	0.86	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.74	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.73	0.100	0
Total HxCDD	ND	1.3		0
1,2,3,4,6,7,8-HpCDD	ND	10	0.010	0
Total HpCDD	ND	10		0
OCDD	71	J	0.001	0.0710
2,3,7,8-TCDF	ND	0.84	0.100	0
Total TCDF	ND	0.84		0
1,2,3,7,8-PeCDF	ND	0.45	0.050	0
2,3,4,7,8-PeCDF	ND	0.47	0.500	0
Total PeCDF	ND	0.97		0
1,2,3,4,7,8-HxCDF	ND	0.66	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.56	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.64	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.72	0.100	0
Total HxCDF	ND	1.6		0
1,2,3,4,6,7,8-HpCDF	ND	4.8	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.7	0.010	0
Total HpCDF	ND	9.9		0
OCDF	ND	20	0.001	0
Total TEQ Concentration				0.0710

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	69	40 - 135
13C-1,2,3,6,7,8-HxCDD	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 135
13C-OCDD	65	40 - 135
13C-2,3,7,8-TCDF	71	40 - 135
13C-1,2,3,7,8-PeCDF	74	40 - 135
13C-1,2,3,4,7,8-HxCDF	94	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	85	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D EASTWALL #4

Lot-Sample #...: G8H290172 - 008
 Date Sampled...: 08/28/08
 Prep Date.....: 09/05/08
 Prep Batch #...: 8253418

Work Order #...: KV2FT2AC
 Date Received..: 08/29/08
 Analysis Date..: 09/10/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 8.3

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.61	1.000	0
Total TCDD	ND	0.61		0
1,2,3,7,8-PeCDD	ND	1.5	0.500	0
Total PeCDD	ND	1.5		0
1,2,3,4,7,8-HxCDD	ND	0.93	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.81	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.79	0.100	0
Total HxCDD	ND	0.93		0
1,2,3,4,6,7,8-HpCDD	ND	2.7	0.010	0
Total HpCDD	ND	2.7		0
OCDD	ND	22	0.001	0
2,3,7,8-TCDF	ND	0.74	0.100	0
Total TCDF	ND	0.74		0
1,2,3,7,8-PeCDF	ND	0.64	0.050	0
2,3,4,7,8-PeCDF	ND	0.67	0.500	0
Total PeCDF	ND	0.83		0
1,2,3,4,7,8-HxCDF	ND	0.55	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.46	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.52	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.59	0.100	0
Total HxCDF	ND	0.59		0
1,2,3,4,6,7,8-HpCDF	ND	1.6	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	2.0	0.010	0
Total HpCDF	ND	4.9		0
OCDF	ND	2.6	0.001	0
Total TEQ Concentration				0

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	64	40 - 135
13C-1,2,3,6,7,8-HxCDD	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	84	40 - 135
13C-OCDD	59	40 - 135
13C-2,3,7,8-TCDF	66	40 - 135
13C-1,2,3,7,8-PeCDF	68	40 - 135
13C-1,2,3,4,7,8-HxCDF	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	82	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC: EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D EASTWALL #3

Lot-Sample #...: G8H290172 - 009
 Date Sampled...: 08/28/08
 Prep Date.....: 09/05/08
 Prep Batch #...: 8253418

Work Order #...: KV2FV2AC
 Date Received...: 08/29/08
 Analysis Date...: 09/10/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 7.1

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.57	1.000	0
Total TCDD	ND	0.70		0
1,2,3,7,8-PeCDD	ND	1.2	0.500	0
Total PeCDD	ND	1.2		0
1,2,3,4,7,8-HxCDD	ND	0.78	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.67	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.66	0.100	0
Total HxCDD	ND	0.78		0
1,2,3,4,6,7,8-HpCDD	ND	2.0	0.010	0
Total HpCDD	ND	3.5		0
OCDD	ND	11	0.001	0
2,3,7,8-TCDF	ND	0.69	0.100	0
Total TCDF	ND	0.69		0
1,2,3,7,8-PeCDF	ND	0.57	0.050	0
2,3,4,7,8-PeCDF	ND	0.59	0.500	0
Total PeCDF	ND	0.76		0
1,2,3,4,7,8-HxCDF	ND	0.50	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.42	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.47	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.53	0.100	0
Total HxCDF	ND	0.53		0
1,2,3,4,6,7,8-HpCDF	ND	0.93	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.1	0.010	0
Total HpCDF	ND	1.1		0
OCDF	ND	4.7	0.001	0
Total TEQ Concentration				0

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	40 - 135
13C-1,2,3,7,8-PeCDD	65	40 - 135
13C-1,2,3,6,7,8-HxCDD	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	83	40 - 135
13C-OCDD	61	40 - 135
13C-2,3,7,8-TCDF	67	40 - 135
13C-1,2,3,7,8-PeCDF	70	40 - 135
13C-1,2,3,4,7,8-HxCDF	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	81	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D WESTWALL #1

Lot-Sample #...: G8H290172 - 010
 Date Sampled...: 08/28/08
 Prep Date.....: 09/05/08
 Prep Batch #...: 8253418

Work Order #...: KV2FW2AC
 Date Received...: 08/29/08
 Analysis Date..: 09/10/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 9.4

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.55	1.000	0
Total TCDD	ND	0.55		0
1,2,3,7,8-PeCDD	ND	1.6	0.500	0
Total PeCDD	ND	1.6		0
1,2,3,4,7,8-HxCDD	ND	0.89	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.77	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.72	0.100	0
Total HxCDD	ND	1.2		0
1,2,3,4,6,7,8-HpCDD	ND	10	0.010	0
Total HpCDD	ND	10		0
OCDD	89	J	0.001	0.0890
2,3,7,8-TCDF	ND	1.0	0.100	0
Total TCDF	ND	1.0		0
1,2,3,7,8-PeCDF	ND	0.52	0.050	0
2,3,4,7,8-PeCDF	ND	0.53	0.500	0
Total PeCDF	ND	0.86		0
1,2,3,4,7,8-HxCDF	ND	0.50	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.42	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.47	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.53	0.100	0
Total HxCDF	ND	1.5		0
1,2,3,4,6,7,8-HpCDF	ND	5.6	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.5	0.010	0
Total HpCDF	ND	8.8		0
OCDF	ND	19	0.001	0
Total TEQ Concentration				0.0890

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	69	40 - 135
13C-1,2,3,6,7,8-HxCDD	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	82	40 - 135
13C-OCDD	55	40 - 135
13C-2,3,7,8-TCDF	67	40 - 135
13C-1,2,3,7,8-PeCDF	76	40 - 135
13C-1,2,3,4,7,8-HxCDF	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	82	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D WESTWALL #2

Lot-Sample #...: G8H290172 - 011
 Date Sampled...: 08/28/08
 Prep Date.....: 09/05/08
 Prep Batch #...: 8253418

Work Order #...: KV2FX2AC
 Date Received...: 08/29/08
 Analysis Date...: 09/10/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.59	1.000	0
Total TCDD	ND	1.7		0
1,2,3,7,8-PeCDD	ND	1.3	0.500	0
Total PeCDD	ND	1.3		0
1,2,3,4,7,8-HxCDD	ND	19	0.100	0
1,2,3,6,7,8-HxCDD	ND	17	0.100	0
1,2,3,7,8,9-HxCDD	ND	4.2	0.100	0
Total HxCDD	23			
1,2,3,4,6,7,8-HpCDD	590		0.010	5.9000
Total HpCDD	880			
OCDD	5600		0.001	5.6000
2,3,7,8-TCDF	ND	0.78	0.100	0
Total TCDF	ND	0.78		0
1,2,3,7,8-PeCDF	ND	0.72	0.050	0
2,3,4,7,8-PeCDF	ND	0.74	0.500	0
Total PeCDF	ND	1.7		0
1,2,3,4,7,8-HxCDF	ND	2.9	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.77	0.100	0
2,3,4,6,7,8-HxCDF	ND	1.5	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.69	0.100	0
Total HxCDF	58			
1,2,3,4,6,7,8-HpCDF	100		0.010	1.0000
1,2,3,4,7,8,9-HpCDF	ND	7.9	0.010	0
Total HpCDF	560			
OCDF	1100		0.001	1.1000
Total TEQ Concentration				13.6000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	67	40 - 135
13C-1,2,3,6,7,8-HxCDD	96	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	88	40 - 135
13C-OCDD	68	40 - 135
13C-2,3,7,8-TCDF	69	40 - 135
13C-1,2,3,7,8-PeCDF	72	40 - 135
13C-1,2,3,4,7,8-HxCDF	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	85	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D WESTWALL #3

Lot-Sample #...:	G8H290172 - 012	Work Order #...:	KV2F12AC	Matrix.....:	SOLID
Date Sampled...:	08/28/08	Date Received...:	08/29/08	Instrument:	9D5
Prep Date.....:	09/05/08	Analysis Date..:	09/10/08	Units.....:	pg/g
Prep Batch #...:	8253418	Dilution Factor:	1	% Moisture:	11

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.60	1.000	0
Total TCDD	ND	1.0		0
1,2,3,7,8-PeCDD	ND	1.7	0.500	0
Total PeCDD	ND	1.7		0
1,2,3,4,7,8-HxCDD	ND	0.92	0.100	0
1,2,3,6,7,8-HxCDD	ND	26	0.100	0
1,2,3,7,8,9-HxCDD	ND	4.1	0.100	0
Total HxCDD	ND	27		0
1,2,3,4,6,7,8-HpCDD	960		0.010	9.6000
Total HpCDD	1500			
OCDD	10000		0.001	10.0000
2,3,7,8-TCDF	ND	0.91	0.100	0
Total TCDF	ND	1.9		0
1,2,3,7,8-PeCDF	ND	0.68	0.050	0
2,3,4,7,8-PeCDF	ND	0.71	0.500	0
Total PeCDF	ND	1.4		0
1,2,3,4,7,8-HxCDF	ND	3.1	0.100	0
1,2,3,6,7,8-HxCDF	ND	1.5	0.100	0
2,3,4,6,7,8-HxCDF	ND	1.7	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.91	0.100	0
Total HxCDF	93			
1,2,3,4,6,7,8-HpCDF	170		0.010	1.7000
1,2,3,4,7,8,9-HpCDF	ND	7.8	0.010	0
Total HpCDF	900			
OCDF	1600		0.001	1.6000
Total TEQ Concentration				22.9000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	65	40 - 135
13C-1,2,3,6,7,8-HxCDD	85	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	86	40 - 135
13C-OCDD	70	40 - 135
13C-2,3,7,8-TCDF	68	40 - 135
13C-1,2,3,7,8-PeCDF	70	40 - 135
13C-1,2,3,4,7,8-HxCDF	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	85	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D BOTTOM #1

Lot-Sample #...: G8I030184 - 003
 Date Sampled...: 09/02/08
 Prep Date.....: 09/03/08
 Prep Batch #...: 8247537

Work Order #...: KV66C1AC
 Date Received..: 09/03/08
 Analysis Date..: 09/08/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 8.1

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.4	1.000	0
Total TCDD	ND	1.4		0
1,2,3,7,8-PeCDD	ND	2.1	0.500	0
Total PeCDD	ND	2.1		0
1,2,3,4,7,8-HxCDD	ND	1.3	0.100	0
1,2,3,6,7,8-HxCDD	ND	1.1	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.1	0.100	0
Total HxCDD	ND	1.3		0
1,2,3,4,6,7,8-HpCDD	ND	1.2	0.010	0
Total HpCDD	ND	1.2		0
OCDD	ND	15	0.001	0
2,3,7,8-TCDF	ND	3.1	0.100	0
Total TCDF	ND	3.1		0
1,2,3,7,8-PeCDF	ND	0.98	0.050	0
2,3,4,7,8-PeCDF	ND	1.0	0.500	0
Total PeCDF	ND	1.9		0
1,2,3,4,7,8-HxCDF	ND	0.74	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.62	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.71	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.79	0.100	0
Total HxCDF	ND	0.79		0
1,2,3,4,6,7,8-HpCDF	ND	0.95	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.83	0.010	0
Total HpCDF	ND	1.0		0
OCDF	ND	2.1	0.001	0
Total TEQ Concentration				0

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	40 - 135
13C-1,2,3,7,8-PeCDD	77	40 - 135
13C-1,2,3,6,7,8-HxCDD	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	96	40 - 135
13C-OCDD	96	40 - 135
13C-2,3,7,8-TCDF	80	40 - 135
13C-1,2,3,7,8-PeCDF	84	40 - 135
13C-1,2,3,4,7,8-HxCDF	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	93	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D BOTTOM #2

Lot-Sample #...: G8I030184 - 004
 Date Sampled...: 09/02/08
 Prep Date.....: 09/03/08
 Prep Batch #...: 8247537

Work Order #...: KV66D1AC
 Date Received...: 09/03/08
 Analysis Date...: 09/08/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 18

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.6	1.000	0
Total TCDD	ND	1.6		0
1,2,3,7,8-PeCDD	ND	2.6	0.500	0
Total PeCDD	ND	2.6		0
1,2,3,4,7,8-HxCDD	ND	1.3	0.100	0
1,2,3,6,7,8-HxCDD	ND	2.3	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.1	0.100	0
Total HxCDD	ND	2.3		0
1,2,3,4,6,7,8-HpCDD	60	J	0.010	0.6000
Total HpCDD	91			
OCDD	580		0.001	0.5800
2,3,7,8-TCDF	ND	3.6	0.100	0
Total TCDF	ND	3.6		0
1,2,3,7,8-PeCDF	ND	0.97	0.050	0
2,3,4,7,8-PeCDF	ND	1.0	0.500	0
Total PeCDF	ND	1.9		0
1,2,3,4,7,8-HxCDF	ND	0.83	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.70	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.80	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.90	0.100	0
Total HxCDF	ND	4.7		0
1,2,3,4,6,7,8-HpCDF	ND	10	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.2	0.010	0
Total HpCDF	37			
OCDF	74	J	0.001	0.0740
Total TEQ Concentration				1.2540

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	75	40 - 135
13C-1,2,3,7,8-PeCDD	73	40 - 135
13C-1,2,3,6,7,8-HxCDD	80	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 135
13C-OCDD	94	40 - 135
13C-2,3,7,8-TCDF	76	40 - 135
13C-1,2,3,7,8-PeCDF	81	40 - 135
13C-1,2,3,4,7,8-HxCDF	82	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	90	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/675/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D BOTTOM #3

Lot-Sample #...:	G8I030184 - 005	Work Order #...:	KV66E1AC	Matrix....:	SOLID
Date Sampled...:	09/02/08	Date Received..:	09/03/08	Instrument:	9D5
Prep Date.....:	09/03/08	Analysis Date..:	09/08/08	Units.....:	pg/g
Prep Batch #...:	8247537	Dilution Factor:	1	% Moisture:	13

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.1	1.000	0
Total TCDD	ND	1.1		0
1,2,3,7,8-PeCDD	ND	2.0	0.500	0
Total PeCDD	ND	2.0		0
1,2,3,4,7,8-HxCDD	ND	1.1	0.100	0
1,2,3,6,7,8-HxCDD	ND	2.4	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.97	0.100	0
Total HxCDD	ND	2.4		0
1,2,3,4,6,7,8-HpCDD	48	J	0.010	0.4800
Total HpCDD	48			
OCDD	490		0.001	0.4900
2,3,7,8-TCDF	ND	2.7	0.100	0
Total TCDF	ND	2.7		0
1,2,3,7,8-PeCDF	ND	0.90	0.050	0
2,3,4,7,8-PeCDF	ND	0.93	0.500	0
Total PeCDF	ND	1.6		0
1,2,3,4,7,8-HxCDF	ND	0.93	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.78	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.88	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.0	0.100	0
Total HxCDF	ND	5.1		0
1,2,3,4,6,7,8-HpCDF	ND	10	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.98	0.010	0
Total HpCDF	44		0.001	0.0860
OCDF	86	J	0.001	0.0860
Total TEQ Concentration				1.0560

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	78	40 - 135
13C-1,2,3,7,8-PeCDD	75	40 - 135
13C-1,2,3,6,7,8-HxCDD	80	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 135
13C-OCDD	100	40 - 135
13C-2,3,7,8-TCDF	77	40 - 135
13C-1,2,3,7,8-PeCDF	82	40 - 135
13C-1,2,3,4,7,8-HxCDF	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	95	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D SOUTHWALL #1

Lot-Sample #...:	G8I030184 - 006	Work Order #...:	KV66F1AC	Matrix....:	SOLID
Date Sampled...:	09/02/08	Date Received..:	09/03/08	Instrument:	9D5
Prep Date.....:	09/03/08	Analysis Date...:	09/08/08	Units.....:	pg/g
Prep Batch #...:	8247537	Dilution Factor:	1	% Moisture:	13

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.2	1.000	0
Total TCDD	ND	1.2		0
1,2,3,7,8-PeCDD	ND	2.4	0.500	0
Total PeCDD	ND	2.4		0
1,2,3,4,7,8-HxCDD	ND	0.96	0.100	0
1,2,3,6,7,8-HxCDD	ND	1.5	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.82	0.100	0
Total HxCDD	ND	1.9		0
1,2,3,4,6,7,8-HpCDD	37	J	0.010	0.3700
Total HpCDD	37			
OCDD	350		0.001	0.3500
2,3,7,8-TCDF	ND	2.4	0.100	0
Total TCDF	ND	2.4		0
1,2,3,7,8-PeCDF	ND	0.82	0.050	0
2,3,4,7,8-PeCDF	ND	0.84	0.500	0
Total PeCDF	ND	1.5		0
1,2,3,4,7,8-HxCDF	ND	0.78	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.67	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.75	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.84	0.100	0
Total HxCDF	ND	3.3		0
1,2,3,4,6,7,8-HpCDF	ND	8.0	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.67	0.010	0
Total HpCDF	ND	22		0
OCDF	ND	46	0.001	0
Total TEQ Concentration				0.7200

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	75	40 - 135
13C-1,2,3,7,8-PeCDD	71	40 - 135
13C-1,2,3,6,7,8-HxCDD	83	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	98	40 - 135
13C-OCDD	98	40 - 135
13C-2,3,7,8-TCDF	76	40 - 135
13C-1,2,3,7,8-PeCDF	81	40 - 135
13C-1,2,3,4,7,8-HxCDF	83	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	95	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

SDG NARRATIVE

Job#: A08-A962

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A962

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

Linear regression was used to calibrate analytes that were greater than 15% RSD in the initial calibration A8I0000662.

The continuing calibration verification standard A8C0002282 exhibited the percent Difference (%D) as greater than 20% on the Form VII for the analyte Pentachlorophenol. However, since this analyte was calibrated using linear regression, the CCV must be evaluated using %Drift rather than %Difference. The CCV demonstrated %Drift of 10.8%. No corrective action was required.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A96203	AOC-D BOTTOM#4	SOIL	09/08/2008	11:35	09/09/2008	09:00
A8A96204	AOC-D BOTTOM#5	SOIL	09/08/2008	11:25	09/09/2008	09:00
A8A96205	AOC-D BOTTOM#6	SOIL	09/08/2008	11:10	09/09/2008	09:00
A8A96201	AOC-D EASTWALL#1	SOIL	09/08/2008	11:20	09/09/2008	09:00
A8A96202	AOC-D SOUTHWALL#2	SOIL	09/08/2008	11:00	09/09/2008	09:00
A8A96207	AOC-F EASTWALL#1	SOIL	09/08/2008	13:50	09/09/2008	09:00
A8A96206	AOC-F NORTHWALL#3	SOIL	09/08/2008	14:00	09/09/2008	09:00

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-A962

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: AOC-D BOTTOM#4

Date Received: 09/09/2008

Lab Sample ID: A8A96203

Project No: NY5A9454

Date Collected: 09/08/2008

Client No: 135066

Time Collected: 11:35

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/11/2008	18:20	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/11/2008	18:20	MD
Pentachlorophenol	ND		370	UG/KG	8270	09/11/2008	18:20	MD
Metals Analysis								
Arsenic - Total	9.2		2.5	MG/KG	6010	09/10/2008	18:18	
Chromium - Total	19.4		0.62	MG/KG	6010	09/10/2008	18:18	
Copper - Total	14.3		1.2	MG/KG	6010	09/10/2008	18:18	

Sample ID: AOC-D BOTTOM#5

Date Received: 09/09/2008

Lab Sample ID: A8A96204

Project No: NY5A9454

Date Collected: 09/08/2008

Client No: 135066

Time Collected: 11:25

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/11/2008	18:43	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/11/2008	18:43	MD
Pentachlorophenol	ND		360	UG/KG	8270	09/11/2008	18:43	MD
Metals Analysis								
Arsenic - Total	10.7		2.2	MG/KG	6010	09/10/2008	18:43	
Chromium - Total	22.1		0.54	MG/KG	6010	09/10/2008	18:43	
Copper - Total	16.7		1.1	MG/KG	6010	09/10/2008	18:43	

Sample ID: AOC-D BOTTOM#6

Date Received: 09/09/2008

Lab Sample ID: A8A96205

Project No: NY5A9454

Date Collected: 09/08/2008

Client No: 135066

Time Collected: 11:10

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		200	UG/KG	8270	09/11/2008	19:06	MD
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	09/11/2008	19:06	MD
Pentachlorophenol	ND		380	UG/KG	8270	09/11/2008	19:06	MD
Metals Analysis								
Arsenic - Total	10.4		2.3	MG/KG	6010	09/10/2008	18:48	
Chromium - Total	21.4		0.57	MG/KG	6010	09/10/2008	18:48	
Copper - Total	15.3		1.1	MG/KG	6010	09/10/2008	18:48	

Sample ID: AOC-D EASTWALL#1

Date Received: 09/09/2008

Lab Sample ID: A8A96201

Project No: NY5A9454

Date Collected: 09/08/2008

Client No: 135066

Time Collected: 11:20

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		200	UG/KG	8270	09/11/2008	17:35	MD
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	09/11/2008	17:35	MD
Pentachlorophenol	ND		390	UG/KG	8270	09/11/2008	17:35	MD
Metals Analysis								
Arsenic - Total	12.4		2.5	MG/KG	6010	09/10/2008	18:08	
Chromium - Total	24.4		0.62	MG/KG	6010	09/10/2008	18:08	
Copper - Total	17.8		1.2	MG/KG	6010	09/10/2008	18:08	

Sample ID: AOC-D SOUTHWALL#2

Date Received: 09/09/2008

Lab Sample ID: A8A96202

Project No: NY5A9454

Date Collected: 09/08/2008

Client No: 135066

Time Collected: 11:00

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/11/2008	17:57	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/11/2008	17:57	MD
Pentachlorophenol	ND		370	UG/KG	8270	09/11/2008	17:57	MD
Metals Analysis								
Arsenic - Total	7.4		2.4	MG/KG	6010	09/10/2008	18:13	
Chromium - Total	14.3		0.60	MG/KG	6010	09/10/2008	18:13	
Copper - Total	11.8		1.2	MG/KG	6010	09/10/2008	18:13	

SDG NARRATIVE

Job#: A08-B221

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-B221

Sample Cooler(s) were received at the following temperature(s); 7@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

Linear regression was used to calibrate analytes that were greater than 15% RSD in the initial calibration A8I0000662.

The continuing calibration verification standard A8C0002325 exhibited the percent Difference (%D) as greater than 20% on the Form VII for the analyte Pentachlorophenol. However since this analyte was calibrated using linear regression, the CCV must be evaluated using %Drift rather than %Difference. The CCV demonstrated %Drift of 16.9%. No corrective action was required.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8B22102	AOC-D WESTWALL#6	SOIL	09/12/2008	15:44	09/13/2008	09:15
A8B22101	AOC-I BOTTOM	SOIL	09/12/2008	11:30	09/13/2008	09:15

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-B221

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: AOC-D WESTWALL#6

Date Received: 09/13/2008

Lab Sample ID: A8B22102

Project No: NY5A9454

Date Collected: 09/12/2008

Client No: 135066

Time Collected: 15:44

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/15/2008	20:27	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/15/2008	20:27	MD
Pentachlorophenol	ND		370	UG/KG	8270	09/15/2008	20:27	MD
Metals Analysis								
Arsenic - Total	9.9		2.4	MG/KG	6010	09/15/2008	19:13	
Chromium - Total	20.7		0.59	MG/KG	6010	09/15/2008	19:13	
Copper - Total	16.6		1.2	MG/KG	6010	09/15/2008	19:13	

ANALYTICAL REPORT

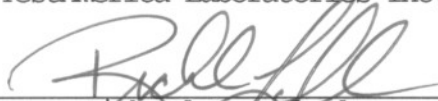
Job#: A08-9702

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



Richard J. Lafond
Project Manager

08/15/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8970201	AOC-D WEST WALL #2	SOIL	08/07/2008	11:30	08/09/2008	09:15

METHODS SUMMARY

Job#: A08-9702Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9702Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9702

Sample Cooler(s) were received at the following temperature(s); 6@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: AOC-D WEST WALL #2

Sample is AOC-D East Wall #2

Date Received: 08/09/2008

Lab Sample ID: A8970201

Project No: NY5A9454

Date Collected: 08/07/2008

Client No: 135066

Time Collected: 11:30

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		180	UG/KG	8270	08/12/2008	11:43	MD
Bis(2-ethylhexyl) phthalate	ND		180	UG/KG	8270	08/12/2008	11:43	MD
Pentachlorophenol	ND		360	UG/KG	8270	08/12/2008	11:43	MD
Metals Analysis								
Arsenic - Total	9.0		2.3	MG/KG	6010	08/12/2008	18:56	AH
Chromium - Total	15.3		0.58	MG/KG	6010	08/12/2008	18:56	AH
Copper - Total	14.1		1.2	MG/KG	6010	08/12/2008	18:56	AH

Chain of Custody Record

R

TAL-4142 (0907)

Client OP-Tech	Project Manager Tom Rengert	Date 8/8/08	Chain of Custody Number 395197
Address 6392 Deer Rd	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1

City SYRACUSE	State NY	Zip Code 13206	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) Camp George town / Post Excavation			Carrier/Waybill Number			
Contract/Purchase Order/Quote No. SDCR0011						

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Metals	SVOC	Dioxins	PCDDs	Furans	PCDF	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	NaOH							
AOC-D WestWall #2	8/7/08	11:30				X	X							3	X	X	X	X		

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	

1. Relinquished By Steve McCarth	Date 8/8/08	Time 17:13	1. Received By R. English	Date 08/08/08	Time 17:13
2. Relinquished By R. English	Date 08/08/08	Time 18:30	2. Received By [Signature]	Date 8/9/08	Time 09:15
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
665.01

8/8

August 20, 2008

TestAmerica Project Number: G8H090175

PO/Contract: SDCR0011

Tom Rengert
OP-TECH Environmental
6392 Deere Road
Syracuse, NY 13206

Dear Mr. Rengert,

This report contains the analytical results for the sample received under chain of custody by TestAmerica on August 9, 2008. This sample is associated with your Camp Georgetown project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G8H090175

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 8290, Dioxins/Furans

Sample: 1

Sample Data Sheet

Method Blank Report

Laboratory QC Reports

SOLID, D 2216-90, %Moisture

Sample: 1

Sample Data Sheet

Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G8H090175

General Comments

The sample was labeled AOC-D EASTWALL #2. The identification listed on the COC was used in the report.

SOLID, 8290, Dioxins/Furans

Sample(s): 1

This sample, the method blank, & the laboratory control sample have low recoveries for one or more internal standards. Generally, data quality is not considered affected if the internal standard signal-to-noise ratio is greater than 10:1, which is achieved for all internal standards in these samples.

Sample(s): 1

The associated laboratory control sample has a high recovery for 2,3,4,7,8- PeCDF. Since the high recovery met the criteria for a sporadic marginal exceedence (per NELAC guidelines), no corrective action was performed. There should be no impact on the data.

There were no other anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0616	Oregon*	CA 200005
Arkansas	04-067-0	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014002
Colorado	NA	Texas	TX 270-2004A
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C087
Hawaii	NA	West Virginia	9930C, 334
Kansas*	E10375	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613

*NELAP accredited. A more detailed parameter list is available upon request. Updated 9/21/07

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G8H090175

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
KTXCH	1	AOC-D WESTWALL #2	8/7/2008 11:30 AM	8/9/2008 09:40 AM
KTXCH	1	AOC-D WESTWALL #2 DUP	8/7/2008 11:30 AM	8/9/2008 09:40 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Chain of Custody Record

TAL-4142 (0907)

Client: **OP-Tech** Project Manager: **Tom Rengert** Date: **8/8/08** Chain of Custody Number: **395197**

Address: **6392 Doer Rd** Telephone Number (Area Code)/Fax Number: _____ Lab Number: _____

City: **Syracuse** State: **NY** Zip Code: **13206** Site Contact: _____ Lab Contact: _____

Project Name and Location (State): **Camp George town / Post Excavation** Carrier/Waybill Number: _____

Contract/Purchase Order/Quote No.: **SOCR0011**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)					Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Metals ColJob	SVOC-8270	Dioxins -PCDDs	Furans	PCDF			
AOC-D Westwall #2	8/7/08	11:30				X	X							X	X	X	X			
labeled AOC-D Eastwall #2 08-9-08																				

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown 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: Steve McCarty	Date: 8/8/08 Time: 17:13	1. Received By: R. English	Date: 08/08/08 Time: 17:13
2. Relinquished By: R. English	Date: 08/08/08 Time: 18:30	2. Received By: Chy...	Date: 8-9-08 Time: 1100
3. Relinquished By: _____	Date: _____ Time: _____	3. Received By: _____	Date: _____ Time: _____

Comments: _____

TestAmerica West Sacramento (916) 373-5600

CLIENT OP-Tech PM KD LOG # 53490

LOT# (QUANTIMS ID) G8H090175 QUOTE# 79995 LOCATION W10B

DATE RECEIVED 8-9-08 TIME RECEIVED 940 Initials CJ Date 8-9-08

DELIVERED BY FEDEX CA OVERNIGHT CLIENT
 AIRBORNE GOLDENSTATE DHL
 UPS BAX GLOBAL GO-GETTERS
 TAL COURIER VALLEY LOGISTICS MORGAN HILL COURIER
 OTHER

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) 212385

SHIPPING CONTAINER(S) TAL CLIENT N/A

TEMPERATURE RECORD (IN °C) IR 4 5 OTHER _____

COC #(S) 395197

TEMPERATURE BLANK Observed: N/A Corrected: _____

SAMPLE TEMPERATURE

Observed: 1 0 1 Average: 1 Corrected Average: 2

COLLECTOR'S NAME: Verified from COC Not on COC

pH MEASURED YES ANOMALY N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM N/A

VOA-ENCORES N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A

CLOUSEAU TEMPERATURE EXCEEDED (2 °C - 6 °C)^{*1} N/A

WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED PM NOTIFIED

Notes: - West wall #2 labeled East wall #2

*1 Acceptable temperature range for State of Wisconsin samples is $\leq 4^{\circ}\text{C}$.

Lot
ID:

G8H090175

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
500 CGJ	1																			
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

SOLID, 8290, Dioxins/Furans

OP-TECH Environmental

Client Sample ID: AOC-D WESTWALL #2

Sample is AOC-D East Wall #2

Trace Level Organic Compounds

Lot-Sample #...: G8H090175-001 Work Order #...: KTXCH3AC Matrix.....: SOLID
 Date Sampled...: 08/07/08 Date Received...: 08/09/08
 Prep Date.....: 08/15/08 Analysis Date...: 08/16/08
 Prep Batch #...: 8228476
 Dilution Factor: 1
 % Moisture.....: 13

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.16	pg/g	SW846 8290
Total TCDD	ND	0.31	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.33	pg/g	SW846 8290
Total PeCDD	ND	1.8	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.13	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.10	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.098	pg/g	SW846 8290
Total HxCDD	ND	0.17	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	1.0	pg/g	SW846 8290
Total HpCDD	ND	1.0	pg/g	SW846 8290
OCDD	10 J		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.080	pg/g	SW846 8290
Total TCDF	ND	0.29	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.11	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.11	pg/g	SW846 8290
Total PeCDF	ND	0.20	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.083	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.067	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.076	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.089	pg/g	SW846 8290
Total HxCDF	ND	0.11	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.36	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.21	pg/g	SW846 8290
Total HpCDF	ND	0.76	pg/g	SW846 8290
OCDF	ND	1.4	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	43	(40 - 135)
13C-1,2,3,7,8-PeCDD	29 *	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	39 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	46	(40 - 135)
13C-OCDD	45	(40 - 135)
13C-2,3,7,8-TCDF	32 *	(40 - 135)
13C-1,2,3,7,8-PeCDF	26 *	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	38 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	42	(40 - 135)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Sample is AOC-D East Wall #2

Client Sample ID: AOC-D WESTWALL #2

Lot-Sample #...: G8H090175 - 001
 Date Sampled...: 08/07/08
 Prep Date.....: 08/15/08
 Prep Batch #...: 8228476

Work Order #...: KTXCH3AC
 Date Received..: 08/09/08
 Analysis Date...: 08/16/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 13

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.16	1.000	0
Total TCDD	ND	0.31		0
1,2,3,7,8-PeCDD	ND	0.33	0.500	0
Total PeCDD	ND	1.8		0
1,2,3,4,7,8-HxCDD	ND	0.13	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.10	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.098	0.100	0
Total HxCDD	ND	0.17		0
1,2,3,4,6,7,8-HpCDD	ND	1.0	0.010	0
Total HpCDD	ND	1.0		0
OCDD	10	J	0.001	0.0100
2,3,7,8-TCDF	ND	0.080	0.100	0
Total TCDF	ND	0.29		0
1,2,3,7,8-PeCDF	ND	0.11	0.050	0
2,3,4,7,8-PeCDF	ND	0.11	0.500	0
Total PeCDF	ND	0.20		0
1,2,3,4,7,8-HxCDF	ND	0.083	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.067	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.076	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.089	0.100	0
Total HxCDF	ND	0.11		0
1,2,3,4,6,7,8-HpCDF	ND	0.36	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.21	0.010	0
Total HpCDF	ND	0.76		0
OCDF	ND	1.4	0.001	0

Total TEQ Concentration **0.0100**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	43	40 - 135
13C-1,2,3,7,8-PeCDD	29 *	40 - 135
13C-1,2,3,6,7,8-HxCDD	39 *	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	46	40 - 135
13C-OCDD	45	40 - 135
13C-2,3,7,8-TCDF	32 *	40 - 135
13C-1,2,3,7,8-PeCDF	26 *	40 - 135
13C-1,2,3,4,7,8-HxCDF	38 *	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	42	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

- * Surrogate recovery is outside stated control limits.
- J Estimated result. Result is less than the reporting limit.

QC DATA ASSOCIATION SUMMARY

G8H090175

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8290		8228476	
	SOLID	ASTM D 2216-90		8226255	8226162

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H090175 Work Order #...: KT8671AA Matrix.....: SOLID
 MB Lot-Sample #: G8H150000-476
 Prep Date.....: 08/15/08
 Analysis Date...: 08/16/08 Prep Batch #...: 8228476
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.18	pg/g	SW846 8290
Total TCDD	ND	0.18	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.28	pg/g	SW846 8290
Total PeCDD	ND	0.28	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.14	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.11	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.11	pg/g	SW846 8290
Total HxCDD	ND	0.21	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.17	pg/g	SW846 8290
Total HpCDD	ND	0.45	pg/g	SW846 8290
OCDD	ND	0.25	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.065	pg/g	SW846 8290
Total TCDF	ND	0.31	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.11	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.11	pg/g	SW846 8290
Total PeCDF	ND	0.11	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.070	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.057	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.064	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.075	pg/g	SW846 8290
Total HxCDF	ND	0.095	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.16	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.19	pg/g	SW846 8290
Total HpCDF	ND	0.19	pg/g	SW846 8290
OCDF	ND	0.21	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	47	(40 - 135)
13C-1,2,3,7,8-PeCDD	42	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	47	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	64	(40 - 135)
13C-OCDD	59	(40 - 135)
13C-2,3,7,8-TCDF	45	(40 - 135)
13C-1,2,3,7,8-PeCDF	37 *	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	40	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	56	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H090175 Work Order #...: KT8671AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H150000-476
 Prep Date.....: 08/15/08 Analysis Date..: 08/16/08
 Prep Batch #...: 8228476
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	17.0	pg/g	85	SW846 8290
1,2,3,7,8-PeCDD	100	82.6	pg/g	83	SW846 8290
1,2,3,4,7,8-HxCDD	100	80.1	pg/g	80	SW846 8290
1,2,3,6,7,8-HxCDD	100	94.3	pg/g	94	SW846 8290
1,2,3,7,8,9-HxCDD	100	104	pg/g	104	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	93.2	pg/g	93	SW846 8290
OCDD	200	191	pg/g	95	SW846 8290
2,3,7,8-TCDF	20.0	17.4	pg/g	87	SW846 8290
1,2,3,7,8-PeCDF	100	89.3	pg/g	89	SW846 8290
2,3,4,7,8-PeCDF	100	83.1 a	pg/g	83	SW846 8290
1,2,3,4,7,8-HxCDF	100	89.7	pg/g	90	SW846 8290
1,2,3,6,7,8-HxCDF	100	99.2	pg/g	99	SW846 8290
2,3,4,6,7,8-HxCDF	100	120	pg/g	120	SW846 8290
1,2,3,7,8,9-HxCDF	100	142	pg/g	142	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	92.1	pg/g	92	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	92.9	pg/g	93	SW846 8290
OCDF	200	177	pg/g	89	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	44	(40 - 135)
13C-1,2,3,7,8-PeCDD	38 *	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	42	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	51	(40 - 135)
13C-OCDD	46	(40 - 135)
13C-2,3,7,8-TCDF	40	(40 - 135)
13C-1,2,3,7,8-PeCDF	34 *	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	31 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	48	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H090175 Work Order #...: KT8671AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H150000-476
 Prep Date.....: 08/15/08 Analysis Date..: 08/16/08
 Prep Batch #...: 8228476
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	METHOD
	RECOVERY	LIMITS	
2,3,7,8-TCDD	85	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	83	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	80	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	94	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	104	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	93	(82 - 134)	SW846 8290
OCDD	95	(74 - 144)	SW846 8290
2,3,7,8-TCDF	87	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	89	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	83 a	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	90	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	99	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	120	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	142	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	92	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	93	(78 - 130)	SW846 8290
OCDF	89	(77 - 143)	SW846 8290

INTERNAL STANDARD	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	44	(40 - 135)
13C-1,2,3,7,8-PeCDD	38 *	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	42	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	51	(40 - 135)
13C-OCDD	46	(40 - 135)
13C-2,3,7,8-TCDF	40	(40 - 135)
13C-1,2,3,7,8-PeCDF	34 *	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	31 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	48	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

SOLID, D 2216-90, %Moisture

OP-TECH Environmental

Client Sample ID: AOC-D WESTWALL #2 Sample is AOC-D East Wall #2

General Chemistry

Lot-Sample #...: G8H090175-001 Work Order #...: KTXCH Matrix.....: SOLID
Date Sampled...: 08/07/08 Date Received...: 08/09/08
% Moisture.....: 13

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	13.0	0.10	%	ASTM D 2216-90	08/13-08/14/08	8226255
		Dilution Factor: 1		MDL.....: 0.10		

QC DATA ASSOCIATION SUMMARY

G8H090175

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8290		8228476	
	SOLID	ASTM D 2216-90		8226255	8226162

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G8H090175

Work Order #...: KTXCH-SMP
KTXCH-DUP

Matrix.....: SOLID

Date Sampled...: 08/07/08

Date Received...: 08/09/08

% Moisture.....: 13

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>			<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	13.0	12.0	%	7.8	(0-20)	ASTM D 2216-90	SD Lot-Sample #: G8H090175-001 08/13-08/14/08	8226255

Dilution Factor: 1

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D EASTWALL #1

Lot-Sample #...: G8I090189 - 002
 Date Sampled...: 09/08/08
 Prep Date.....: 09/09/08
 Prep Batch #...: 8253467

Work Order #...: KWHFV1AC
 Date Received..: 09/09/08
 Analysis Date..: 09/11/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 15

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	4.7	1.000	0
Total TCDD	ND	4.7		0
1,2,3,7,8-PeCDD	ND	8.2	0.500	0
Total PeCDD	ND	8.2		0
1,2,3,4,7,8-HxCDD	ND	11	0.100	0
1,2,3,6,7,8-HxCDD	ND	21	0.100	0
1,2,3,7,8,9-HxCDD	ND	21	0.100	0
Total HxCDD	40			
1,2,3,4,6,7,8-HpCDD	410		0.010	4.1000
Total HpCDD	610			
OCDD	2000		0.001	2.0000
2,3,7,8-TCDF	ND	2.8	0.100	0
Total TCDF	ND	2.8		0
1,2,3,7,8-PeCDF	ND	4.9	0.050	0
2,3,4,7,8-PeCDF	ND	5.1	0.500	0
Total PeCDF	ND	5.1		0
1,2,3,4,7,8-HxCDF	ND	7.1	0.100	0
1,2,3,6,7,8-HxCDF	ND	5.9	0.100	0
2,3,4,6,7,8-HxCDF	ND	6.9	0.100	0
1,2,3,7,8,9-HxCDF	ND	7.8	0.100	0
Total HxCDF	38			
1,2,3,4,6,7,8-HpCDF	89		0.010	0.8900
1,2,3,4,7,8,9-HpCDF	ND	4.6	0.010	0
Total HpCDF	270			
OCDF	360		0.001	0.3600
Total TEQ Concentration				7.3500

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	88	40 - 135
13C-1,2,3,7,8-PeCDD	88	40 - 135
13C-1,2,3,6,7,8-HxCDD	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	76	40 - 135
13C-OCDD	61	40 - 135
13C-2,3,7,8-TCDF	82	40 - 135
13C-1,2,3,7,8-PeCDF	88	40 - 135
13C-1,2,3,4,7,8-HxCDF	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	90	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D SOUTHWALL #2

Lot-Sample #...:	G8I090189 - 003	Work Order #...:	KWHF11AC	Matrix....:	SOLID
Date Sampled...:	09/08/08	Date Received..:	09/09/08	Instrument:	ID5
Prep Date.....:	09/09/08	Analysis Date..:	09/11/08	Units.....:	pg/g
Prep Batch #...:	8253467	Dilution Factor:	1	% Moisture:	15

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	4.8	1.000	0
Total TCDD	ND	4.8		0
1,2,3,7,8-PeCDD	ND	8.1	0.500	0
Total PeCDD	ND	8.1		0
1,2,3,4,7,8-HxCDD	ND	7.6	0.100	0
1,2,3,6,7,8-HxCDD	ND	5.9	0.100	0
1,2,3,7,8,9-HxCDD	ND	6.2	0.100	0
Total HxCDD	ND	7.6		0
1,2,3,4,6,7,8-HpCDD	ND	8.2	0.010	0
Total HpCDD	ND	8.2		0
OCDD	ND	17	0.001	0
2,3,7,8-TCDF	ND	2.6	0.100	0
Total TCDF	ND	2.6		0
1,2,3,7,8-PeCDF	ND	5.9	0.050	0
2,3,4,7,8-PeCDF	ND	6.2	0.500	0
Total PeCDF	ND	6.2		0
1,2,3,4,7,8-HxCDF	ND	6.9	0.100	0
1,2,3,6,7,8-HxCDF	ND	5.7	0.100	0
2,3,4,6,7,8-HxCDF	ND	6.8	0.100	0
1,2,3,7,8,9-HxCDF	ND	7.7	0.100	0
Total HxCDF	ND	7.7		0
1,2,3,4,6,7,8-HpCDF	ND	3.7	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	4.2	0.010	0
Total HpCDF	ND	4.2		0
OCDF	ND	15	0.001	0
Total TEQ Concentration				0

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	40 - 135
13C-1,2,3,7,8-PeCDD	86	40 - 135
13C-1,2,3,6,7,8-HxCDD	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	75	40 - 135
13C-OCDD	51	40 - 135
13C-2,3,7,8-TCDF	80	40 - 135
13C-1,2,3,7,8-PeCDF	84	40 - 135
13C-1,2,3,4,7,8-HxCDF	85	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	88	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-R/9/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D BOTTOM #4

Lot-Sample #...: G8I090189 - 004
 Date Sampled...: 09/08/08
 Prep Date.....: 09/09/08
 Prep Batch #...: 8253467

Work Order #...: KWHF21AC
 Date Received...: 09/09/08
 Analysis Date...: 09/12/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 12

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	4.9	1.000	0
Total TCDD	ND	4.9		0
1,2,3,7,8-PeCDD	ND	7.9	0.500	0
Total PeCDD	ND	7.9		0
1,2,3,4,7,8-HxCDD	ND	7.8	0.100	0
1,2,3,6,7,8-HxCDD	ND	6.0	0.100	0
1,2,3,7,8,9-HxCDD	ND	6.4	0.100	0
Total HxCDD	ND	7.8		0
1,2,3,4,6,7,8-HpCDD	ND	13	0.010	0
Total HpCDD	ND	13		0
OCDD	89	J	0.001	0.0890
2,3,7,8-TCDF	ND	3.3	0.100	0
Total TCDF	ND	3.3		0
1,2,3,7,8-PeCDF	ND	5.8	0.050	0
2,3,4,7,8-PeCDF	ND	6.1	0.500	0
Total PeCDF	ND	6.1		0
1,2,3,4,7,8-HxCDF	ND	7.1	0.100	0
1,2,3,6,7,8-HxCDF	ND	5.8	0.100	0
2,3,4,6,7,8-HxCDF	ND	6.9	0.100	0
1,2,3,7,8,9-HxCDF	ND	7.8	0.100	0
Total HxCDF	ND	7.8		0
1,2,3,4,6,7,8-HpCDF	ND	4.0	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	4.6	0.010	0
Total HpCDF	ND	8.1		0
OCDF	ND	16	0.001	0
Total TEQ Concentration				0.0890

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	86	40 - 135
13C-1,2,3,6,7,8-HxCDD	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	86	40 - 135
13C-OCDD	92	40 - 135
13C-2,3,7,8-TCDF	78	40 - 135
13C-1,2,3,7,8-PeCDF	83	40 - 135
13C-1,2,3,4,7,8-HxCDF	84	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D BOTTOM #5

Lot-Sample #...: G8I090189 - 005
 Date Sampled...: 09/08/08
 Prep Date.....: 09/09/08
 Prep Batch #...: 8253467

Work Order #...: KWHF31AC
 Date Received..: 09/09/08
 Analysis Date..: 09/12/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: ID5
 Units.....: pg/g
 % Moisture: 12

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	3.9	1.000	0
Total TCDD	ND	3.9		0
1,2,3,7,8-PeCDD	ND	6.5	0.500	0
Total PeCDD	ND	6.5		0
1,2,3,4,7,8-HxCDD	ND	6.7	0.100	0
1,2,3,6,7,8-HxCDD	ND	5.2	0.100	0
1,2,3,7,8,9-HxCDD	ND	5.5	0.100	0
Total HxCDD	ND	6.7		0
1,2,3,4,6,7,8-HpCDD	ND	8.9	0.010	0
Total HpCDD	ND	8.9		0
OCDD	66	J	0.001	0.0660
2,3,7,8-TCDF	ND	2.4	0.100	0
Total TCDF	ND	2.4		0
1,2,3,7,8-PeCDF	ND	4.1	0.050	0
2,3,4,7,8-PeCDF	ND	4.3	0.500	0
Total PeCDF	ND	4.3		0
1,2,3,4,7,8-HxCDF	ND	6.0	0.100	0
1,2,3,6,7,8-HxCDF	ND	5.0	0.100	0
2,3,4,6,7,8-HxCDF	ND	5.9	0.100	0
1,2,3,7,8,9-HxCDF	ND	6.6	0.100	0
Total HxCDF	ND	6.6		0
1,2,3,4,6,7,8-HpCDF	ND	3.5	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	4.1	0.010	0
Total HpCDF	ND	5.3		0
OCDF	ND	13	0.001	0
Total TEQ Concentration				0.0660

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	90	40 - 135
13C-1,2,3,7,8-PeCDD	88	40 - 135
13C-1,2,3,6,7,8-HxCDD	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	71	40 - 135
13C-OCDD	52	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	87	40 - 135
13C-1,2,3,4,7,8-HxCDF	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D BOTTOM #6

Lot-Sample #...: G8I090189 - 006
 Date Sampled...: 09/08/08
 Prep Date.....: 09/09/08
 Prep Batch #...: 8253467

Work Order #...: KWHF41AC
 Date Received..: 09/09/08
 Analysis Date...: 09/12/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 15

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	4.3	1.000	0
Total TCDD	ND	4.3		0
1,2,3,7,8-PeCDD	ND	8.7	0.500	0
Total PeCDD	ND	8.7		0
1,2,3,4,7,8-HxCDD	ND	8.8	0.100	0
1,2,3,6,7,8-HxCDD	ND	6.9	0.100	0
1,2,3,7,8,9-HxCDD	ND	7.2	0.100	0
Total HxCDD	ND	8.8		0
1,2,3,4,6,7,8-HpCDD	ND	9.7	0.010	0
Total HpCDD	ND	9.7		0
OCDD	ND	53	0.001	0
2,3,7,8-TCDF	ND	2.8	0.100	0
Total TCDF	ND	2.8		0
1,2,3,7,8-PeCDF	ND	5.1	0.050	0
2,3,4,7,8-PeCDF	ND	5.3	0.500	0
Total PeCDF	ND	5.3		0
1,2,3,4,7,8-HxCDF	ND	6.7	0.100	0
1,2,3,6,7,8-HxCDF	ND	5.6	0.100	0
2,3,4,6,7,8-HxCDF	ND	6.5	0.100	0
1,2,3,7,8,9-HxCDF	ND	7.4	0.100	0
Total HxCDF	ND	7.4		0
1,2,3,4,6,7,8-HpCDF	ND	3.6	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	4.2	0.010	0
Total HpCDF	ND	4.2		0
OCDF	ND	16	0.001	0
Total TEQ Concentration				0

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	79	40 - 135
13C-1,2,3,7,8-PeCDD	78	40 - 135
13C-1,2,3,6,7,8-HxCDD	80	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	61	40 - 135
13C-OCDD	45	40 - 135
13C-2,3,7,8-TCDF	74	40 - 135
13C-1,2,3,7,8-PeCDF	77	40 - 135
13C-1,2,3,4,7,8-HxCDF	78	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	76	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D WESTWALL #6

Lot-Sample #...: G8I130197 - 002
 Date Sampled...: 09/12/08
 Prep Date.....: 09/15/08
 Prep Batch #...: 8259313

Work Order #...: KWV361AC
 Date Received...: 09/13/08
 Analysis Date...: 09/18/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	3.6	1.000	0
Total TCDD	ND	3.6		0
1,2,3,7,8-PeCDD	ND	8.2	0.500	0
Total PeCDD	ND	8.2		0
1,2,3,4,7,8-HxCDD	ND	10	0.100	0
1,2,3,6,7,8-HxCDD	75		0.100	7.5000
1,2,3,7,8,9-HxCDD	29	J	0.100	2.9000
Total HxCDD	190			
1,2,3,4,6,7,8-HpCDD	1900		0.010	19.0000
Total HpCDD	3100			
OCDD	16000		0.001	16.0000
2,3,7,8-TCDF	ND	2.3	0.100	0
Total TCDF	ND	4.0		0
1,2,3,7,8-PeCDF	ND	4.2	0.050	0
2,3,4,7,8-PeCDF	ND	4.4	0.500	0
Total PeCDF	ND	6.0		0
1,2,3,4,7,8-HxCDF	ND	6.4	0.100	0
1,2,3,6,7,8-HxCDF	ND	5.7	0.100	0
2,3,4,6,7,8-HxCDF	ND	6.3	0.100	0
1,2,3,7,8,9-HxCDF	ND	7.1	0.100	0
Total HxCDF	220			
1,2,3,4,6,7,8-HpCDF	310		0.010	3.1000
1,2,3,4,7,8,9-HpCDF	ND	21	0.010	0
Total HpCDF	1600			
OCDF	2200		0.001	2.2000
Total TEQ Concentration				50.7000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	74	40 - 135
13C-1,2,3,6,7,8-HxCDD	80	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	82	40 - 135
13C-OCDD	93	40 - 135
13C-2,3,7,8-TCDF	80	40 - 135
13C-1,2,3,7,8-PeCDF	77	40 - 135
13C-1,2,3,4,7,8-HxCDF	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	86	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/1.89/016

J Estimated result. Result is less than the reporting limit.

SDG NARRATIVE

Job#: A08-B083

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-B083

Sample Cooler(s) were received at the following temperature(s); 3@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

The surrogate recovery for p-Terphenyl-d14 was below the laboratory quality control limits for sample AOC-C FLD ORDR#14BOT. Based on the laboratory SOP, one surrogate in either fraction (base/neutral or acid fraction) may have a recovery outside of the control limit.

Linear regression was used to calibrate analytes that were greater than 15% RSD in the initial calibrations A8I0000671 and A8I0000681.

The continuing calibration verification standard A8C0002308 exhibited the percent Difference (%D) as greater than 20% on the Form VII for the analyte Pentachlorophenol. Since this analyte was calibrated using linear regression, the CCV must be evaluated using %Drift rather than %Difference. The CCV demonstrated %Drift of 10.5% No corrective action was required.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Richard J. Lafond
Project Manager

Date

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8B08308	AOC-C FLD ORDR#14BOT	SOIL	09/10/2008	08:00	09/11/2008	09:15
A8B08306	AOC-D WESTWALL#4	SOIL	09/09/2008	13:50	09/11/2008	09:15
A8B08307	AOC-D WESTWALL#5	SOIL	09/09/2008	13:55	09/11/2008	09:15
A8B08305	AOC-K BOTTOM#1	SOIL	09/10/2008	15:50	09/11/2008	09:15
A8B08301	AOC-K NORTHWALL#1	SOIL	09/10/2008	16:00	09/11/2008	09:15
A8B08302	AOC-K SOUTHWALL#1	SOIL	09/10/2008	15:20	09/11/2008	09:15
A8B08303	AOC-K WESTWALL#1	SOIL	09/10/2008	15:30	09/11/2008	09:15
A8B08304	AOC-K WESTWALL#2	SOIL	09/10/2008	15:40	09/11/2008	09:15
A8B08309	FLD ORDR#9 (TP6) BOT	SOIL	09/10/2008	11:14	09/11/2008	09:15
A8B08310	FLD ORDR#9 (TP6) NORTH	SOIL	09/10/2008	11:20	09/11/2008	09:15

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-B083

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
AOC-D WESTWALL#4	A8B08306	8270	5.00	012
AOC-C FLD ORDR#14BOT	A8B08308DL	8270	10.00	008

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

Sample ID: AOC-D WESTWALL#4

Date Received: 09/11/2008

Lab Sample ID: A8B08306

Project No: NY5A9454

Date Collected: 09/09/2008

Client No: 135066

Time Collected: 13:50

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	310	J	940		UG/KG	8270	09/15/2008	18:31	AJ
Bis(2-ethylhexyl) phthalate	ND		940		UG/KG	8270	09/15/2008	18:31	AJ
Pentachlorophenol	5600		1800		UG/KG	8270	09/15/2008	18:31	AJ
Metals Analysis									
Arsenic - Total	6.1		2.1		MG/KG	6010	09/12/2008	21:40	
Chromium - Total	15.5		0.52		MG/KG	6010	09/12/2008	21:40	
Copper - Total	12.1		1.0		MG/KG	6010	09/12/2008	21:40	

Sample ID: AOC-D WESTWALL#5

Date Received: 09/11/2008

Lab Sample ID: A8B08307

Project No: NY5A9454

Date Collected: 09/09/2008

Client No: 135066

Time Collected: 13:55

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		200	UG/KG	8270	09/15/2008	18:54	AJ
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	09/15/2008	18:54	AJ
Pentachlorophenol	ND		380	UG/KG	8270	09/15/2008	18:54	AJ
Metals Analysis								
Arsenic - Total	8.0		2.4	MG/KG	6010	09/12/2008	21:45	
Chromium - Total	14.9		0.61	MG/KG	6010	09/12/2008	21:45	
Copper - Total	13.6		1.2	MG/KG	6010	09/12/2008	21:45	

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D WESTWALL #4

Lot-Sample #...: G8I120175 - 001
 Date Sampled...: 09/09/08
 Prep Date.....: 09/12/08
 Prep Batch #...: 8256338

Work Order #...: KWQ1X1AC
 Date Received...: 09/12/08
 Analysis Date...: 09/16/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 12

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	2.1	1.000	0
Total TCDD	ND	2.1		0
1,2,3,7,8-PeCDD	ND	4.5	0.500	0
Total PeCDD	ND	4.5		0
1,2,3,4,7,8-HxCDD	ND	2.8	0.100	0
1,2,3,6,7,8-HxCDD	42	J	0.100	4.2000
1,2,3,7,8,9-HxCDD	ND	2.6	0.100	0
Total HxCDD	77			
1,2,3,4,6,7,8-HpCDD	1800		0.010	18.0000
Total HpCDD	2700			
OCDD	19000		0.001	19.0000
2,3,7,8-TCDF	ND	2.5	0.100	0
Total TCDF	ND	2.5		0
1,2,3,7,8-PeCDF	ND	2.3	0.050	0
2,3,4,7,8-PeCDF	ND	2.2	0.500	0
Total PeCDF	ND	2.3		0
1,2,3,4,7,8-HxCDF	ND	12	0.100	0
1,2,3,6,7,8-HxCDF	ND	1.7	0.100	0
2,3,4,6,7,8-HxCDF	ND	4.2	0.100	0
1,2,3,7,8,9-HxCDF	ND	2.4	0.100	0
Total HxCDF	180			
1,2,3,4,6,7,8-HpCDF	200		0.010	2.0000
1,2,3,4,7,8,9-HpCDF	ND	21	0.010	0
Total HpCDF	1100			
OCDF	1700		0.001	1.7000
Total TEQ Concentration				44.9000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	63	40 - 135
13C-1,2,3,6,7,8-HxCDD	95	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 135
13C-OCDD	93	40 - 135
13C-2,3,7,8-TCDF	93	40 - 135
13C-1,2,3,7,8-PeCDF	66	40 - 135
13C-1,2,3,4,7,8-HxCDF	95	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	106	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-D WESTWALL #5

Lot-Sample #...: G8I120175 - 002
 Date Sampled...: 09/09/08
 Prep Date.....: 09/12/08
 Prep Batch #...: 8256338

Work Order #...: KWQ121AC
 Date Received..: 09/12/08
 Analysis Date..: 09/16/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 12

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	2.0	1.000	0
Total TCDD	ND	2.0		0
1,2,3,7,8-PeCDD	ND	4.2	0.500	0
Total PeCDD	ND	4.2		0
1,2,3,4,7,8-HxCDD	ND	5.2	0.100	0
1,2,3,6,7,8-HxCDD	ND	19	0.100	0
1,2,3,7,8,9-HxCDD	ND	10	0.100	0
Total HxCDD	31			
1,2,3,4,6,7,8-HpCDD	710		0.010	7.1000
Total HpCDD	1100			
OCDD	5400		0.001	5.4000
2,3,7,8-TCDF	ND	2.2	0.100	0
Total TCDF	ND	2.2		0
1,2,3,7,8-PeCDF	ND	1.8	0.050	0
2,3,4,7,8-PeCDF	ND	1.8	0.500	0
Total PeCDF	ND	5.0		0
1,2,3,4,7,8-HxCDF	ND	2.9	0.100	0
1,2,3,6,7,8-HxCDF	ND	3.1	0.100	0
2,3,4,6,7,8-HxCDF	ND	1.7	0.100	0
1,2,3,7,8,9-HxCDF	ND	2.0	0.100	0
Total HxCDF	110			
1,2,3,4,6,7,8-HpCDF	130		0.010	1.3000
1,2,3,4,7,8,9-HpCDF	ND	9.4	0.010	0
Total HpCDF	590			
OCDF	800		0.001	0.8000
Total TEQ Concentration				14.6000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	83	40 - 135
13C-1,2,3,7,8-PeCDD	65	40 - 135
13C-1,2,3,6,7,8-HxCDD	96	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	98	40 - 135
13C-OCDD	93	40 - 135
13C-2,3,7,8-TCDF	97	40 - 135
13C-1,2,3,7,8-PeCDF	69	40 - 135
13C-1,2,3,4,7,8-HxCDF	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	106	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC E

Post Excavation Sampling Log
 TOTAL SAMPLES =

7

Compounds	Remediation Goals	AOC - E WW#1	AOC - E East Wall #1	AOC - E Bottom #1	AOC - E South Wall #1	AOC - E South Wall #2	AOC - E Bottom F.O. #16	AOC - E Bottom F.O. #23				
benzo (a) anthracene	1 ppm	ND	ND	0.089	ND	ND	N/A	N/A				
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	N/A	N/A				
pentachlorophenol	0.8 ppm	ND	0.32	12	ND	0.27	0.96	0.28				
arsenic	13 ppm	7.4	12.5	9	9.1	10.8	N/A	N/A				
chromium	30 ppm	16.1	19.8	15.7	18.3	19.8	N/A	N/A				
copper	50 ppm	9.6	17.5	15.1	10.7	17.9	N/A	N/A				
2,3,7,8-TCDD TEQ	1 ppb	0.0013	0.14	0.515	0.291	0.00012	N/A	N/A				

ND = Non-Detect

Bold and Yellow=

Exceedance

Red = Second Time Exceedance

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC E

Post Excavation Sampling Log

Compounds	Remediation Goals	AOC - E WW#1	AOC - E East Wall #1	AOC - E Bottom #1	AOC - E South Wall #1	AOC - E South Wall #2						
benzo (a) anthracene	1 ppm	ND	ND	0.089	ND	ND						
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND						
pentachlorophenol	0.8 ppm	ND	0.32	12	ND	0.27						
arsenic	13 ppm	7.4	12.5	9	9.1	10.8						
chromium	30 ppm	16.1	19.8	15.7	18.3	19.8						
copper	50 ppm	9.6	17.5	15.1	10.7	17.9						
2,3,7,8-TCDD TEQ	1 ppb	0.0013	0.14	0.515	0.291	0.00012						

ND = Non-Detect
 Bold and Yellow=
 Exceedance

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A63401	AOC-A BOTTOM # 1	SOIL	08/29/2008	11:00	08/30/2008	09:15
A8A63402	AOC-E WEST WALL # 1	SOIL	08/29/2008	10:30	08/30/2008	09:15

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-A634

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SDG NARRATIVE

Job#: A08-A634

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A634

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: AOC-E WEST WALL # 1

Date Received: 08/30/2008

Lab Sample ID: A8A63402

Project No: NY5A9454

Date Collected: 08/29/2008

Client No: 135066

Time Collected: 10:30

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		230	UG/KG	8270	09/03/2008	01:31	AJ
Bis(2-ethylhexyl) phthalate	ND		230	UG/KG	8270	09/03/2008	01:31	AJ
Pentachlorophenol	ND		440	UG/KG	8270	09/03/2008	01:31	AJ
Metals Analysis								
Arsenic - Total	7.4		2.9	MG/KG	6010	09/04/2008	05:36	
Chromium - Total	16.1		0.72	MG/KG	6010	09/04/2008	05:36	
Copper - Total	9.6		1.4	MG/KG	6010	09/04/2008	05:36	

Sample ID: AOC-E BOTTOM#1

Date Received: 08/29/2008

Lab Sample ID: A8A58912

Project No: NY5A9454

Date Collected: 08/28/2008

Client No: 135066

Time Collected: 10:35

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	53	J	190	UG/KG	8270	09/03/2008	17:39	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	17:39	JLG
Pentachlorophenol	18000	E	370	UG/KG	8270	09/03/2008	17:39	JLG
Metals Analysis								
Arsenic - Total	9.0		2.4	MG/KG	6010	09/03/2008	03:45	
Chromium - Total	15.7		0.60	MG/KG	6010	09/03/2008	03:45	
Copper - Total	15.1		1.2	MG/KG	6010	09/03/2008	03:45	

DEC OP TECH
Georgetown - Level IV

Sample ID: AOC-E BOTTOM#1

Date Received: 08/29/2008

Lab Sample ID: A8A58912DL

Project No: NY5A9454

Date Collected: 08/28/2008

Client No: 135066

Time Collected: 10:35

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	89	DJ	1900	UG/KG	8270	09/05/2008	12:07	JLG
Bis(2-ethylhexyl) phthalate	ND		1900	UG/KG	8270	09/05/2008	12:07	JLG
Pentachlorophenol	12000	D	3700	UG/KG	8270	09/05/2008	12:07	JLG

Sample ID: AOC-E EASTWALL#1

Date Received: 08/29/2008

Lab Sample ID: A8A58909

Project No: NY5A9454

Date Collected: 08/28/2008

Client No: 135066

Time Collected: 10:30

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		180	UG/KG	8270	09/03/2008	16:30	JLG
Bis(2-ethylhexyl) phthalate	ND		180	UG/KG	8270	09/03/2008	16:30	JLG
Pentachlorophenol	320	J	360	UG/KG	8270	09/03/2008	16:30	JLG
Metals Analysis								
Arsenic - Total	12.5		2.1	MG/KG	6010	09/03/2008	03:30	
Chromium - Total	19.8		0.53	MG/KG	6010	09/03/2008	03:30	
Copper - Total	17.5		1.1	MG/KG	6010	09/03/2008	03:30	

Sample ID: AOC-E SOUTHWALL#1
 Lab Sample ID: A8A58910
 Date Collected: 08/28/2008
 Time Collected: 10:25

Date Received: 08/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/03/2008	16:53	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/03/2008	16:53	JLG
Pentachlorophenol	ND		380	UG/KG	8270	09/03/2008	16:53	JLG
Metals Analysis								
Arsenic - Total	9.1		2.4	MG/KG	6010	09/03/2008	03:35	
Chromium - Total	18.3		0.59	MG/KG	6010	09/03/2008	03:35	
Copper - Total	10.7		1.2	MG/KG	6010	09/03/2008	03:35	

Sample ID: AOC-E SOUTHWALL#2

Date Received: 08/29/2008

Lab Sample ID: A8A58911

Project No: NY5A9454

Date Collected: 08/28/2008

Client No: 135066

Time Collected: 10:20

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		200	UG/KG	8270	09/03/2008	17:16	JLG
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	09/03/2008	17:16	JLG
Pentachlorophenol	270	J	390	UG/KG	8270	09/03/2008	17:16	JLG
Metals Analysis								
Arsenic - Total	10.8		2.4	MG/KG	6010	09/03/2008	03:40	
Chromium - Total	19.8		0.60	MG/KG	6010	09/03/2008	03:40	
Copper - Total	17.9		1.2	MG/KG	6010	09/03/2008	03:40	

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-E WESTWALL #1

Lot-Sample #...:	G8H300181 - 002	Work Order #...:	KV4K81AC	Matrix....:	SOLID
Date Sampled...:	08/29/08	Date Received...:	08/30/08	Instrument:	9D5
Prep Date.....:	09/04/08	Analysis Date...:	09/08/08	Units.....:	pg/g
Prep Batch #...:	8249235	Dilution Factor:	1	% Moisture:	29

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.4	1.000	0
Total TCDD	ND	1.4		0
1,2,3,7,8-PeCDD	ND	2.7	0.500	0
Total PeCDD	ND	2.7		0
1,2,3,4,7,8-HxCDD	ND	3.6	0.100	0
1,2,3,6,7,8-HxCDD	ND	3.1	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.4	0.100	0
Total HxCDD	ND	3.6		0
1,2,3,4,6,7,8-HpCDD	72		0.010	0.7200
Total HpCDD	100			
OCDD	540		0.001	0.5400
2,3,7,8-TCDF	ND	2.7	0.100	0
Total TCDF	ND	2.7		0
1,2,3,7,8-PeCDF	ND	1.1	0.050	0
2,3,4,7,8-PeCDF	ND	1.1	0.500	0
Total PeCDF	ND	1.9		0
1,2,3,4,7,8-HxCDF	ND	0.98	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.82	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.93	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.0	0.100	0
Total HxCDF	ND	8.7		0
1,2,3,4,6,7,8-HpCDF	ND	13	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.7	0.010	0
Total HpCDF	43	J		
OCDF	ND	62	0.001	0
Total TEQ Concentration				1.2600

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	62	40 - 135
13C-1,2,3,7,8-PeCDD	63	40 - 135
13C-1,2,3,6,7,8-HxCDD	72	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	90	40 - 135
13C-OCDD	93	40 - 135
13C-2,3,7,8-TCDF	62	40 - 135
13C-1,2,3,7,8-PeCDF	67	40 - 135
13C-1,2,3,4,7,8-HxCDF	78	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	85	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-E EASTWALL #1

Lot-Sample #...: G8H290172 - 001
 Date Sampled...: 08/28/08
 Prep Date.....: 09/05/08
 Prep Batch #...: 8253418

Work Order #...: KV2FH2AC
 Date Received..: 08/29/08
 Analysis Date..: 09/09/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 12

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.76	1.000	0
Total TCDD	12			
1,2,3,7,8-PeCDD	ND	13	0.500	0
Total PeCDD	ND	13		0
1,2,3,4,7,8-HxCDD	49	J	0.100	4.9000
1,2,3,6,7,8-HxCDD	170		0.100	17.0000
1,2,3,7,8,9-HxCDD	110		0.100	11.0000
Total HxCDD	600			
1,2,3,4,6,7,8-HpCDD	4700		0.010	47.0000
Total HpCDD	6800			
OCDD	32000		0.001	32.0000
2,3,7,8-TCDF	ND	1.2	0.100	0
Total TCDF	14			
1,2,3,7,8-PeCDF	ND	3.8	0.050	0
2,3,4,7,8-PeCDF	ND	2.7	0.500	0
Total PeCDF	ND	24		0
1,2,3,4,7,8-HxCDF	35	J	0.100	3.5000
1,2,3,6,7,8-HxCDF	ND	25	0.100	0
2,3,4,6,7,8-HxCDF	ND	14	0.100	0
1,2,3,7,8,9-HxCDF	ND	12	0.100	0
Total HxCDF	1200			
1,2,3,4,6,7,8-HpCDF	1400		0.010	14.0000
1,2,3,4,7,8,9-HpCDF	100		0.010	1.0000
Total HpCDF	6700			
OCDF	10000		0.001	10.0000
Total TEQ Concentration				140.4000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	76	40 - 135
13C-1,2,3,7,8-PeCDD	61	40 - 135
13C-1,2,3,6,7,8-HxCDD	76	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	82	40 - 135
13C-OCDD	70	40 - 135
13C-2,3,7,8-TCDF	61	40 - 135
13C-1,2,3,7,8-PeCDF	64	40 - 135
13C-1,2,3,4,7,8-HxCDF	80	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	77	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/675/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-E SOUTHWALL #1

Lot-Sample #...:	G8H290172 - 002	Work Order #...:	KV2FJ2AC	Matrix....:	SOLID
Date Sampled...:	08/28/08	Date Received..:	08/29/08	Instrument:	9D5
Prep Date.....:	09/05/08	Analysis Date..:	09/09/08	Units.....:	pg/g
Prep Batch #...:	8253418	Dilution Factor:	1	% Moisture:	6.8

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.75	1.000	0
Total TCDD	8.6			
1,2,3,7,8-PeCDD	ND	25	0.500	0
Total PeCDD	ND	25		0
1,2,3,4,7,8-HxCDD	100		0.100	10.0000
1,2,3,6,7,8-HxCDD	350		0.100	35.0000
1,2,3,7,8,9-HxCDD	260		0.100	26.0000
Total HxCDD	1200			
1,2,3,4,6,7,8-HpCDD	11000		0.010	110.0000
Total HpCDD	15000			
OCDD	70000	E	0.001	70.0000
2,3,7,8-TCDF	ND	1.0	0.100	0
Total TCDF	8.3			
1,2,3,7,8-PeCDF	ND	2.4	0.050	0
2,3,4,7,8-PeCDF	ND	3.2	0.500	0
Total PeCDF	79			
1,2,3,4,7,8-HxCDF	53	J	0.100	5.3000
1,2,3,6,7,8-HxCDF	34	J	0.100	3.4000
2,3,4,6,7,8-HxCDF	ND	23	0.100	0
1,2,3,7,8,9-HxCDF	ND	13	0.100	0
Total HxCDF	1600			
1,2,3,4,6,7,8-HpCDF	1900		0.010	19.0000
1,2,3,4,7,8,9-HpCDF	160		0.010	1.6000
Total HpCDF	7700			
OCDF	11000		0.001	11.0000
Total TEQ Concentration				291.3000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	83	40 - 135
13C-1,2,3,7,8-PeCDD	68	40 - 135
13C-1,2,3,6,7,8-HxCDD	78	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	90	40 - 135
13C-OCDD	80	40 - 135
13C-2,3,7,8-TCDF	66	40 - 135
13C-1,2,3,7,8-PeCDF	70	40 - 135
13C-1,2,3,4,7,8-HxCDF	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	85	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-E SOUTHWALL #2

Lot-Sample #...:	G8H290172 - 003	Work Order #...:	KV2FK2AC	Matrix....:	SOLID
Date Sampled...:	08/28/08	Date Received..:	08/29/08	Instrument:	9D5
Prep Date.....:	09/05/08	Analysis Date..:	09/09/08	Units.....:	pg/g
Prep Batch #...:	8253418	Dilution Factor:	1	% Moisture:	20

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.94	1.000	0
Total TCDD	ND	1.1		0
1,2,3,7,8-PeCDD	ND	2.0	0.500	0
Total PeCDD	ND	4.0		0
1,2,3,4,7,8-HxCDD	ND	1.5	0.100	0
1,2,3,6,7,8-HxCDD	ND	1.3	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.2	0.100	0
Total HxCDD	ND	1.5		0
1,2,3,4,6,7,8-HpCDD	ND	12	0.010	0
Total HpCDD	ND	12		0
OCDD	120	J	0.001	0.1200
2,3,7,8-TCDF	ND	1.4	0.100	0
Total TCDF	ND	1.4		0
1,2,3,7,8-PeCDF	ND	0.99	0.050	0
2,3,4,7,8-PeCDF	ND	1.0	0.500	0
Total PeCDF	ND	1.6		0
1,2,3,4,7,8-HxCDF	ND	1.1	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.96	0.100	0
2,3,4,6,7,8-HxCDF	ND	1.1	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.2	0.100	0
Total HxCDF	ND	1.2		0
1,2,3,4,6,7,8-HpCDF	ND	3.8	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.5	0.010	0
Total HpCDF	ND	11		0
OCDF	ND	28	0.001	0

Total TEQ Concentration **0.1200**

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	40 - 135
13C-1,2,3,7,8-PeCDD	65	40 - 135
13C-1,2,3,6,7,8-HxCDD	83	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	80	40 - 135
13C-OCDD	61	40 - 135
13C-2,3,7,8-TCDF	64	40 - 135
13C-1,2,3,7,8-PeCDF	66	40 - 135
13C-1,2,3,4,7,8-HxCDF	84	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	79	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/675/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-E BOTTOM #1

Lot-Sample #...: G8H290172 - 004
 Date Sampled...: 08/28/08
 Prep Date.....: 09/05/08
 Prep Batch #...: 8253418

Work Order #...: KV2FL2AC
 Date Received..: 08/29/08
 Analysis Date...: 09/09/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 11

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.55	1.000	0
Total TCDD	12			
1,2,3,7,8-PeCDD	ND	17	0.500	0
Total PeCDD	ND	17		0
1,2,3,4,7,8-HxCDD	62		0.100	6.2000
1,2,3,6,7,8-HxCDD	760		0.100	76.0000
1,2,3,7,8,9-HxCDD	170		0.100	17.0000
Total HxCDD	1800			
1,2,3,4,6,7,8-HpCDD	19000		0.010	190.0000
Total HpCDD	28000			
OCDD	120000 E		0.001	120.0000
2,3,7,8-TCDF	ND	2.1	0.100	0
Total TCDF	71			
1,2,3,7,8-PeCDF	ND	14	0.050	0
2,3,4,7,8-PeCDF	ND	11	0.500	0
Total PeCDF	50			
1,2,3,4,7,8-HxCDF	110		0.100	11.0000
1,2,3,6,7,8-HxCDF	37 J		0.100	3.7000
2,3,4,6,7,8-HxCDF	36 J		0.100	3.6000
1,2,3,7,8,9-HxCDF	ND	8.5	0.100	0
Total HxCDF	3500			
1,2,3,4,6,7,8-HpCDF	4500		0.010	45.0000
1,2,3,4,7,8,9-HpCDF	230		0.010	2.3000
Total HpCDF	25000			
OCDF	40000		0.001	40.0000
Total TEQ Concentration				514.8000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	89	40 - 135
13C-1,2,3,7,8-PeCDD	72	40 - 135
13C-1,2,3,6,7,8-HxCDD	81	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 135
13C-OCDD	91	40 - 135
13C-2,3,7,8-TCDF	71	40 - 135
13C-1,2,3,7,8-PeCDF	75	40 - 135
13C-1,2,3,4,7,8-HxCDF	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	84	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC E

Post Excavation Sampling Log

Compounds	Remediation Goals	AOC - E WW#1	AOC - E East Wall #1	AOC - E Bottom #1	AOC - E South Wall #1	AOC - E South Wall #2	AOC - E Bottom F.O. #16					
benzo (a) anthracene	1 ppm	ND	ND	0.089	ND	ND	N/A					
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	N/A					
pentachlorophenol	0.8 ppm	ND	0.32	12	ND	0.27	0.96					
arsenic	13 ppm	7.4	12.5	9	9.1	10.8	N/A					
chromium	30 ppm	16.1	19.8	15.7	18.3	19.8	N/A					
copper	50 ppm	9.6	17.5	15.1	10.7	17.9	N/A					
2,3,7,8-TCDD TEQ	1 ppb	0.0013	0.14	0.515	0.291	0.00012	N/A					

ND = Non-Detect

Bold and Yellow=
 Exceedance

Red = Second Time Exceedance

SDG NARRATIVE

Job#: A08-B281

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-B281

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8B28101	AOC-E BOTTOM F.O #16	SOIL	09/15/2008	16:30	09/16/2008	09:00

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-B281

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - PCP Only	SW8463 8270

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: AOC-E BOTTOM F.O #16

Date Received: 09/16/2008

Lab Sample ID: A8B28101

Project No: NY5A9454

Date Collected: 09/15/2008

Client No: 135066

Time Collected: 16:30

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270 (PCP ONL Pentachlorophenol	960		360	UG/KG	8270	09/18/2008	08:28	AJ

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC E

Post Excavation Sampling Log

Compounds	Remediation Goals	AOC - E WW#1	AOC - E East Wall #1	AOC - E Bottom #1	AOC - E South Wall #1	AOC - E South Wall #2	AOC - E Bottom F.O. #16	AOC - E Bottom F.O. #23				
benzo (a) anthracene	1 ppm	ND	ND	0.089	ND	ND	N/A	N/A				
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	N/A	N/A				
pentachlorophenol	0.8 ppm	ND	0.32	12	ND	0.27	0.96	0.28				
arsenic	13 ppm	7.4	12.5	9	9.1	10.8	N/A	N/A				
chromium	30 ppm	16.1	19.8	15.7	18.3	19.8	N/A	N/A				
copper	50 ppm	9.6	17.5	15.1	10.7	17.9	N/A	N/A				
2,3,7,8-TCDD TEQ	1 ppb	0.0013	0.14	0.515	0.291	0.00012	N/A	N/A				

ND = Non-Detect

Bold and Yellow=
 Exceedance

Red = Second Time Exceedance

Mr. Tom Rengert
 OP-TECH Environmental
 6392 Deere Road
 Syracuse, NY 13206

Job Number: 220-6658-1
 Lab Sample Id: 220-6658-1
 Client Matrix: Solid
 Date Sampled: 09/23/2008 0950
 Date Received: 09/24/2008 1129
 % Moisture: 10.2

Client Sample ID: AOC-E BOTTOM #1/FIELD ORDER #23

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	280 J	ug/Kg	37	8270C	09/24/2008 1153	09/25/2008 1610	1.0
GENERAL CHEMISTRY							
Percent Moisture	10.2	%	0.100	PercentMoisture		09/24/2008 1446	1.0
Percent Solids	89.8	%	0.100	PercentMoisture		09/24/2008 1446	1.0

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC F

Post Excavation Sampling Log
 TOTAL SAMPLES =

17

Compounds	Remediation Goals	AOC F Bottom #1	AOC F Bottom #2	AOC F Bottom #3	AOC F South Wall #1	AOC F South Wall #2	AOC F South Wall #3	AOC F East Wall #1	AOC F West Wall #1	AOC F West Wall #2	AOC F North Wall #1	AOC F North Wall #2	AOC F North Wall #3	AOC F Bottom #1	AOC F Bottom #2	AOC F South Wall #1	AOC F North Wall #1	AOC F South Wall #1
benzo (a) anthracene	1 ppm	ND	ND	ND	0.12	ND	ND	ND	ND	ND	0.011	ND	ND	NS	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND	NS	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	1.9	1.1	ND	0.93	ND	ND	0.56	ND	0.42	12	0.4	ND	ND	ND	1.1	0.38	0.28
arsenic	13 ppm	5.2	8.1	13	4.3	8.5	4.9	8.4	7.9	10.1	9.4	13.1	7.9	NS	NS	NS	NS	NS
chromium	30 ppm	12.3	15.6	25.1	14.5	19.7	17.8	18.2	18.4	20.6	16.2	15	14.2	NS	NS	NS	NS	NS
copper	50 ppm	8.2	12.8	17.7	8.6	16.6	10.6	15.3	14.5	16.3	9.6	9.9	11.8	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	1.3	0.023	0.0016	0.045	0.00019	0.00089	0	0.081	0.0027	0.203	0.098	0.00028	0.00098	NS	NS	NS	NS

ND = Non-Detect
 Bold and Yellow=
 Exceedance

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC F

Post Excavation Sampling Log

Compounds	Remediation Goals	AOC F Bottom #1	AOC F Bottom #2	AOC F Bottom #3	AOC F South Wall #1	AOC F South Wall #2	AOC F South Wall #3	AOC F East Wall #1	AOC F West Wall #1	AOC F West Wall #2	AOC F North Wall #1	AOC F North Wall #2	AOC F North Wall #3
benzo (a) anthracene	1 ppm	ND	ND	ND	0.12	ND	ND	ND	ND	ND	0.011	ND	ND
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND
pentachlorophenol	0.8 ppm	1.9	1.1	ND	0.93	ND	ND	0.56	ND	0.42	12	0.4	ND
arsenic	13 ppm	5.2	8.1	13	4.3	8.5	4.9	8.4	7.9	10.1	9.4	13.1	7.9
chromium	30 ppm	12.3	15.6	25.1	14.5	19.7	17.8	18.2	18.4	20.6	16.2	15	14.2
copper	50 ppm	8.2	12.8	17.7	8.6	16.6	10.6	15.3	14.5	16.3	9.6	9.9	11.8
2,3,7,8-TCDD TEQ	1 ppb	1.3	0.023	0.0016	0.045	0.00019	0.00089	0	0.081	0.0027	0.203	0.098	0.00028

ND = Non-Detect

Bold and Yellow=

Exceedance

SDG NARRATIVE

Job#: A08-A829

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A829

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

Linear regression was used to calibrate analytes that were greater than 15% RSD in the initial calibration A8I0000662.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

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SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A82907	AOC-F BOTTOM #3	SOIL	09/04/2008	14:00	09/05/2008	09:15
A8A82901	AOC-F NORTH WALL #1	SOIL	09/04/2008	13:50	09/05/2008	09:15
A8A82902	AOC-F NORTH WALL #2	SOIL	09/04/2008	13:45	09/05/2008	09:15
A8A82903	AOC-F SOUTH WALL #2	SOIL	09/04/2008	14:50	09/05/2008	09:15
A8A82904	AOC-F SOUTH WALL #3	SOIL	09/04/2008	14:40	09/05/2008	09:15
A8A82905	AOC-F WEST WALL #1	SOIL	09/04/2008	14:30	09/05/2008	09:15
A8A82906	AOC-F WEST WALL #2	SOIL	09/04/2008	14:20	09/05/2008	09:15

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METHODS SUMMARY

Job#: A08-A829

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
AOC-F NORTH WALL #1	A8A82901DL	8270	5.00	008

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other

Sample ID: AOC-F BOTTOM #3

Date Received: 09/05/2008

Lab Sample ID: A8A82907

Project No: NY5A9454

Date Collected: 09/04/2008

Client No: 135066

Time Collected: 14:00

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		200	UG/KG	8270	09/08/2008	20:45	JLG
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	09/08/2008	20:45	JLG
Pentachlorophenol	ND		390	UG/KG	8270	09/08/2008	20:45	JLG
Metals Analysis								
Arsenic - Total	13.0		2.6	MG/KG	6010	09/10/2008	23:24	
Chromium - Total	25.1		0.65	MG/KG	6010	09/10/2008	23:24	
Copper - Total	17.7		1.3	MG/KG	6010	09/10/2008	23:24	

Sample ID: AOC-F NORTH WALL #1

Date Received: 09/05/2008

Lab Sample ID: A8A82901

Project No: NY5A9454

Date Collected: 09/04/2008

Client No: 135066

Time Collected: 13:50

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	11	J	200		UG/KG	8270	09/08/2008	18:28	JLG
Bis(2-ethylhexyl) phthalate	100	J	200		UG/KG	8270	09/08/2008	18:28	JLG
Pentachlorophenol	12000	E	380		UG/KG	8270	09/08/2008	18:28	JLG
Metals Analysis									
Arsenic - Total	9.4		2.6		MG/KG	6010	09/10/2008	22:54	
Chromium - Total	16.2		0.64		MG/KG	6010	09/10/2008	22:54	
Copper - Total	9.6		1.3		MG/KG	6010	09/10/2008	22:54	

Sample ID: AOC-F NORTH WALL #1

Date Received: 09/05/2008

Lab Sample ID: A8A82901DL

Project No: NY5A9454

Date Collected: 09/04/2008

Client No: 135066

Time Collected: 13:50

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		980		UG/KG	8270	09/10/2008	09:22	JLG
Bis(2-ethylhexyl) phthalate	ND		980		UG/KG	8270	09/10/2008	09:22	JLG
Pentachlorophenol	8300	D	1900		UG/KG	8270	09/10/2008	09:22	JLG

Sample ID: AOC-F NORTH WALL #2

Date Received: 09/05/2008

Lab Sample ID: A8A82902

Project No: NY5A9454

Date Collected: 09/04/2008

Client No: 135066

Time Collected: 13:45

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		200	UG/KG	8270	09/08/2008	18:51	JLG
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	09/08/2008	18:51	JLG
Pentachlorophenol	400		380	UG/KG	8270	09/08/2008	18:51	JLG
Metals Analysis								
Arsenic - Total	13.1		2.4	MG/KG	6010	09/10/2008	22:59	
Chromium - Total	15.0		0.61	MG/KG	6010	09/10/2008	22:59	
Copper - Total	9.9		1.2	MG/KG	6010	09/10/2008	22:59	

Sample ID: AOC-F SOUTH WALL #2

Date Received: 09/05/2008

Lab Sample ID: A8A82903

Project No: NY5A9454

Date Collected: 09/04/2008

Client No: 135066

Time Collected: 14:50

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/08/2008	19:14	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/08/2008	19:14	JLG
Pentachlorophenol	ND		370	UG/KG	8270	09/08/2008	19:14	JLG
Metals Analysis								
Arsenic - Total	8.5		2.5	MG/KG	6010	09/10/2008	23:04	
Chromium - Total	19.7		0.62	MG/KG	6010	09/10/2008	23:04	
Copper - Total	16.6		1.2	MG/KG	6010	09/10/2008	23:04	

Sample ID: AOC-F SOUTH WALL #3

Date Received: 09/05/2008

Lab Sample ID: A8A82904

Project No: NY5A9454

Date Collected: 09/04/2008

Client No: 135066

Time Collected: 14:40

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		200	UG/KG	8270	09/08/2008	19:37	JLG
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	09/08/2008	19:37	JLG
Pentachlorophenol	ND		380	UG/KG	8270	09/08/2008	19:37	JLG
Metals Analysis								
Arsenic - Total	4.9		2.3	MG/KG	6010	09/10/2008	23:09	
Chromium - Total	17.8		0.58	MG/KG	6010	09/10/2008	23:09	
Copper - Total	10.6		1.2	MG/KG	6010	09/10/2008	23:09	

Sample ID: AOC-F WEST WALL #1

Date Received: 09/05/2008

Lab Sample ID: A8A82905

Project No: NY5A9454

Date Collected: 09/04/2008

Client No: 135066

Time Collected: 14:30

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		180	UG/KG	8270	09/08/2008	20:00	JLG
Bis(2-ethylhexyl) phthalate	ND		180	UG/KG	8270	09/08/2008	20:00	JLG
Pentachlorophenol	ND		360	UG/KG	8270	09/08/2008	20:00	JLG
Metals Analysis								
Arsenic - Total	7.9		2.3	MG/KG	6010	09/10/2008	23:14	
Chromium - Total	18.4		0.58	MG/KG	6010	09/10/2008	23:14	
Copper - Total	14.5		1.2	MG/KG	6010	09/10/2008	23:14	

Sample ID: AOC-F WEST WALL #2

Date Received: 09/05/2008

Lab Sample ID: A8A82906

Project No: NY5A9454

Date Collected: 09/04/2008

Client No: 135066

Time Collected: 14:20

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/08/2008	20:23	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/08/2008	20:23	JLG
Pentachlorophenol	420		370	UG/KG	8270	09/08/2008	20:23	JLG
Metals Analysis								
Arsenic - Total	10.1		2.4	MG/KG	6010	09/10/2008	23:19	
Chromium - Total	20.6		0.59	MG/KG	6010	09/10/2008	23:19	
Copper - Total	16.3		1.2	MG/KG	6010	09/10/2008	23:19	

ANALYTICAL REPORT

Job#: A08-A885

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Georgetown - Level IV

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

TestAmerica Laboratories Inc.

Richard J. Lafond
Project Manager

09/12/2008

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SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A88503	AOC-F BOTTOM#1	SOIL	09/05/2008	10:00	09/06/2008	09:00
A8A88502	AOC-F BOTTOM#2	SOIL	09/05/2008	08:00	09/06/2008	09:00
A8A88504	AOC-F SOUTHWALL#1	SOIL	09/05/2008	09:50	09/06/2008	09:00
A8A88501	EFFLUENT BATCH#4-2	WATER	09/05/2008	00:00	09/06/2008	09:00

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METHODS SUMMARY

Job#: A08-A885

Project#: NY5A9454
 Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
8270 Low Semi-Volatiles	SW8463 8270LOW
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270
METHOD 8082 - POLYCHLORINATED BIPHENYLS - Aqueous	SW8463 8082
Aluminum - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Nickel - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6020
pH	A89/91 9040

References:

- A89/91 "Analytical Services Protocol", New York State Department of Conservation, September 1989, Revised 1991
- SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab standard quantitation limit (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>Method</u>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<u>Organics</u>				
8082	Aroclor 1254	UG/L	0.090	0.50
8270	Benzoic acid	UG/L	100	150
6010	Aluminum - Total	UG/L	100	200

Sample ID: AOC-F BOTTOM#1

Date Received: 09/06/2008

Lab Sample ID: A8A88503

Project No: NY5A9454

Date Collected: 09/05/2008

Client No: 135066

Time Collected: 10:00

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/11/2008	14:10	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/11/2008	14:10	MD
Pentachlorophenol	1900		370	UG/KG	8270	09/11/2008	14:10	MD
Metals Analysis								
Arsenic - Total	5.2		2.3	MG/KG	6010	09/09/2008	16:23	
Chromium - Total	12.3		0.58	MG/KG	6010	09/09/2008	16:23	
Copper - Total	8.2		1.2	MG/KG	6010	09/09/2008	16:23	

Sample ID: AOC-F BOTTOM#2

Date Received: 09/06/2008

Lab Sample ID: A8A88502

Project No: NY5A9454

Date Collected: 09/05/2008

Client No: 135066

Time Collected: 08:00

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/11/2008	13:47	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/11/2008	13:47	MD
Pentachlorophenol	1100		370	UG/KG	8270	09/11/2008	13:47	MD
Metals Analysis								
Arsenic - Total	8.1		2.4	MG/KG	6010	09/09/2008	16:17	
Chromium - Total	15.6		0.59	MG/KG	6010	09/09/2008	16:17	
Copper - Total	12.8		1.2	MG/KG	6010	09/09/2008	16:17	

Sample ID: AOC-F SOUTHWALL#1

Date Received: 09/06/2008

Lab Sample ID: A8A88504

Project No: NY5A9454

Date Collected: 09/05/2008

Client No: 135066

Time Collected: 09:50

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	120	J	200		UG/KG	8270	09/11/2008	14:32	MD
Bis(2-ethylhexyl) phthalate	ND		200		UG/KG	8270	09/11/2008	14:32	MD
Pentachlorophenol	930		390		UG/KG	8270	09/11/2008	14:32	MD
Metals Analysis									
Arsenic - Total	4.3		2.5		MG/KG	6010	09/09/2008	16:28	
Chromium - Total	14.5		0.62		MG/KG	6010	09/09/2008	16:28	
Copper - Total	8.6		1.2		MG/KG	6010	09/09/2008	16:28	

Sample ID: AOC-F EASTWALL#1
 Lab Sample ID: A8A96207
 Date Collected: 09/08/2008
 Time Collected: 13:50

Date Received: 09/09/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		200	UG/KG	8270	09/11/2008	19:51	MD
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	09/11/2008	19:51	MD
Pentachlorophenol	560		390	UG/KG	8270	09/11/2008	19:51	MD
Metals Analysis								
Arsenic - Total	8.4		2.5	MG/KG	6010	09/10/2008	19:10	
Chromium - Total	18.2		0.61	MG/KG	6010	09/10/2008	19:10	
Copper - Total	15.3		1.2	MG/KG	6010	09/10/2008	19:10	

Sample ID: AOC-F NORTHWALL#3
 Lab Sample ID: A8A96206
 Date Collected: 09/08/2008
 Time Collected: 14:00

Date Received: 09/09/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/11/2008	19:29	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/11/2008	19:29	MD
Pentachlorophenol	ND		370	UG/KG	8270	09/11/2008	19:29	MD
Metals Analysis								
Arsenic - Total	7.9		2.3	MG/KG	6010	09/10/2008	18:53	
Chromium - Total	14.2		0.57	MG/KG	6010	09/10/2008	18:53	
Copper - Total	11.8		1.1	MG/KG	6010	09/10/2008	18:53	

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F NORTHWALL #3

Lot-Sample #...: G8I090189 - 007
 Date Sampled...: 09/08/08
 Prep Date.....: 09/09/08
 Prep Batch #...: 8253467

Work Order #...: KWHF51AC
 Date Received..: 09/09/08
 Analysis Date...: 09/12/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 13

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	4.0	1.000	0
Total TCDD	ND	4.0		0
1,2,3,7,8-PeCDD	ND	7.7	0.500	0
Total PeCDD	ND	7.7		0
1,2,3,4,7,8-HxCDD	ND	6.8	0.100	0
1,2,3,6,7,8-HxCDD	ND	5.3	0.100	0
1,2,3,7,8,9-HxCDD	ND	5.6	0.100	0
Total HxCDD	ND	6.8		0
1,2,3,4,6,7,8-HpCDD	ND	26	0.010	0
Total HpCDD	ND	26		0
OCDD	220		0.001	0.2200
2,3,7,8-TCDF	ND	2.3	0.100	0
Total TCDF	ND	2.3		0
1,2,3,7,8-PeCDF	ND	5.0	0.050	0
2,3,4,7,8-PeCDF	ND	5.2	0.500	0
Total PeCDF	ND	5.2		0
1,2,3,4,7,8-HxCDF	ND	6.7	0.100	0
1,2,3,6,7,8-HxCDF	ND	5.5	0.100	0
2,3,4,6,7,8-HxCDF	ND	6.5	0.100	0
1,2,3,7,8,9-HxCDF	ND	7.4	0.100	0
Total HxCDF	ND	7.4		0
1,2,3,4,6,7,8-HpCDF	ND	9.0	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	5.5	0.010	0
Total HpCDF	ND	22		0
OCDF	60	J	0.001	0.0600
Total TEQ Concentration				0.2800

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	92	40 - 135
13C-1,2,3,7,8-PeCDD	91	40 - 135
13C-1,2,3,6,7,8-HxCDD	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	63	40 - 135
13C-OCDD	47	40 - 135
13C-2,3,7,8-TCDF	87	40 - 135
13C-1,2,3,7,8-PeCDF	89	40 - 135
13C-1,2,3,4,7,8-HxCDF	83	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	82	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F EASTWALL #1

Lot-Sample #...: G8I090189 - 008
 Date Sampled...: 09/08/08
 Prep Date.....: 09/09/08
 Prep Batch #...: 8253467

Work Order #...: KWHF61AC
 Date Received..: 09/09/08
 Analysis Date..: 09/12/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 9.3

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	4.6	1.000	0
Total TCDD	ND	4.6		0
1,2,3,7,8-PeCDD	ND	7.6	0.500	0
Total PeCDD	ND	7.6		0
1,2,3,4,7,8-HxCDD	ND	7.4	0.100	0
1,2,3,6,7,8-HxCDD	ND	5.8	0.100	0
1,2,3,7,8,9-HxCDD	ND	6.1	0.100	0
Total HxCDD	ND	7.4		0
1,2,3,4,6,7,8-HpCDD	ND	7.3	0.010	0
Total HpCDD	ND	7.3		0
OCDD	ND	39	0.001	0
2,3,7,8-TCDF	ND	2.8	0.100	0
Total TCDF	ND	2.8		0
1,2,3,7,8-PeCDF	ND	4.7	0.050	0
2,3,4,7,8-PeCDF	ND	4.9	0.500	0
Total PeCDF	ND	4.9		0
1,2,3,4,7,8-HxCDF	ND	5.8	0.100	0
1,2,3,6,7,8-HxCDF	ND	4.8	0.100	0
2,3,4,6,7,8-HxCDF	ND	5.7	0.100	0
1,2,3,7,8,9-HxCDF	ND	6.5	0.100	0
Total HxCDF	ND	6.5		0
1,2,3,4,6,7,8-HpCDF	ND	3.9	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	4.4	0.010	0
Total HpCDF	ND	6.0		0
OCDF	ND	12	0.001	0
Total TEQ Concentration				0

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	84	40 - 135
13C-1,2,3,7,8-PeCDD	82	40 - 135
13C-1,2,3,6,7,8-HxCDD	91	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	65	40 - 135
13C-OCDD	50	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	83	40 - 135
13C-1,2,3,4,7,8-HxCDF	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	85	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F NORTHWALL #1

Lot-Sample #...:	G8I050153 - 001	Work Order #...:	KWCKF2AC	Matrix....:	SOLID
Date Sampled...:	09/04/08	Date Received..:	09/05/08	Instrument:	4D5
Prep Date.....:	09/11/08	Analysis Date..:	09/12/08	Units.....:	pg/g
Prep Batch #...:	8255407	Dilution Factor:	1	% Moisture:	14

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.61	1.000	0
Total TCDD	ND	2.2		0
1,2,3,7,8-PeCDD	ND	4.2	0.500	0
Total PeCDD	ND	4.2		0
1,2,3,4,7,8-HxCDD	ND	14	0.100	0
1,2,3,6,7,8-HxCDD	280		0.100	28.0000
1,2,3,7,8,9-HxCDD	35	J JA	0.100	3.5000
Total HxCDD	620			
1,2,3,4,6,7,8-HpCDD	7800		0.010	78.0000
Total HpCDD	11000			
OCDD	58000	E	0.001	58.0000
2,3,7,8-TCDF	ND	2.0	0.100	0
Total TCDF	ND	8.8		0
1,2,3,7,8-PeCDF	ND	13	0.050	0
2,3,4,7,8-PeCDF	ND	9.9	0.500	0
Total PeCDF	ND	26		0
1,2,3,4,7,8-HxCDF	82		0.100	8.2000
1,2,3,6,7,8-HxCDF	ND	29	0.100	0
2,3,4,6,7,8-HxCDF	ND	28	0.100	0
1,2,3,7,8,9-HxCDF	ND	3.9	0.100	0
Total HxCDF	2000			
1,2,3,4,6,7,8-HpCDF	1600		0.010	16.0000
1,2,3,4,7,8,9-HpCDF	120		0.010	1.2000
Total HpCDF	8100			
OCDF	11000		0.001	11.0000
Total TEQ Concentration				203.9000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	74	40 - 135
13C-1,2,3,6,7,8-HxCDD	94	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	106	40 - 135
13C-OCDD	125	40 - 135
13C-2,3,7,8-TCDF	85	40 - 135
13C-1,2,3,7,8-PeCDF	73	40 - 135
13C-1,2,3,4,7,8-HxCDF	89	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	101	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.
- JA The analyte was positively identified, but the quantitation is an estimate.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F NORTHWALL #2

Lot-Sample #...:	G8I050153 - 002	Work Order #...:	KWCKG2AC	Matrix....:	SOLID
Date Sampled...:	09/04/08	Date Received...:	09/05/08	Instrument:	4D5
Prep Date.....:	09/11/08	Analysis Date...:	09/12/08	Units.....:	pg/g
Prep Batch #...:	8255407	Dilution Factor:	1	% Moisture:	13

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.89	1.000	0
Total TCDD	ND	5.5		0
1,2,3,7,8-PeCDD	ND	8.0	0.500	0
Total PeCDD	ND	8.0		0
1,2,3,4,7,8-HxCDD	ND	26	0.100	0
1,2,3,6,7,8-HxCDD	100		0.100	10.0000
1,2,3,7,8,9-HxCDD	60		0.100	6.0000
Total HxCDD	320			
1,2,3,4,6,7,8-HpCDD	3400		0.010	34.0000
Total HpCDD	4800			
OCDD	20000		0.001	20.0000
2,3,7,8-TCDF	ND	0.91	0.100	0
Total TCDF	ND	4.4		0
1,2,3,7,8-PeCDF	ND	2.8	0.050	0
2,3,4,7,8-PeCDF	ND	1.9	0.500	0
Total PeCDF	ND	15		0
1,2,3,4,7,8-HxCDF	ND	25	0.100	0
1,2,3,6,7,8-HxCDF	ND	16	0.100	0
2,3,4,6,7,8-HxCDF	ND	14	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.7	0.100	0
Total HxCDF	840			
1,2,3,4,6,7,8-HpCDF	1500		0.010	15.0000
1,2,3,4,7,8,9-HpCDF	81		0.010	0.8100
Total HpCDF	6700			
OCDF	12000		0.001	12.0000
Total TEQ Concentration				97.8100

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	84	40 - 135
13C-1,2,3,7,8-PeCDD	74	40 - 135
13C-1,2,3,6,7,8-HxCDD	97	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	104	40 - 135
13C-OCDD	114	40 - 135
13C-2,3,7,8-TCDF	85	40 - 135
13C-1,2,3,7,8-PeCDF	74	40 - 135
13C-1,2,3,4,7,8-HxCDF	94	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	103	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F SOUTHWALL #2

Lot-Sample #...: G8I050153 - 003
 Date Sampled...: 09/04/08
 Prep Date.....: 09/11/08
 Prep Batch #...: 8255407

Work Order #...: KWCKJ2AC
 Date Received...: 09/05/08
 Analysis Date...: 09/12/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.58	1.000	0
Total TCDD	ND	0.58		0
1,2,3,7,8-PeCDD	ND	0.93	0.500	0
Total PeCDD	ND	0.93		0
1,2,3,4,7,8-HxCDD	ND	0.87	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.69	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.69	0.100	0
Total HxCDD	ND	0.75		0
1,2,3,4,6,7,8-HpCDD	ND	18	0.010	0
Total HpCDD	ND	18		0
OCDD	190		0.001	0.1900
2,3,7,8-TCDF	ND	0.40	0.100	0
Total TCDF	ND	0.40		0
1,2,3,7,8-PeCDF	ND	0.40	0.050	0
2,3,4,7,8-PeCDF	ND	0.40	0.500	0
Total PeCDF	ND	0.40		0
1,2,3,4,7,8-HxCDF	ND	0.49	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.41	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.48	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.56	0.100	0
Total HxCDF	ND	1.9		0
1,2,3,4,6,7,8-HpCDF	ND	3.6	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.83	0.010	0
Total HpCDF	ND	10		0
OCDF	ND	18	0.001	0

Total TEQ Concentration **0.1900**

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	72	40 - 135
13C-1,2,3,6,7,8-HxCDD	95	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	100	40 - 135
13C-OCDD	97	40 - 135
13C-2,3,7,8-TCDF	84	40 - 135
13C-1,2,3,7,8-PeCDF	71	40 - 135
13C-1,2,3,4,7,8-HxCDF	91	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	100	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F SOUTHWALL #3

Lot-Sample #...: G8I050153 - 004
 Date Sampled...: 09/04/08
 Prep Date.....: 09/11/08
 Prep Batch #...: 8255407

Work Order #...: KWCKM2AC
 Date Received...: 09/05/08
 Analysis Date...: 09/12/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 21

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.68	1.000	0
Total TCDD	ND	0.68		0
1,2,3,7,8-PeCDD	ND	1.2	0.500	0
Total PeCDD	ND	1.2		0
1,2,3,4,7,8-HxCDD	ND	0.92	0.100	0
1,2,3,6,7,8-HxCDD	ND	2.3	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.1	0.100	0
Total HxCDD	ND	2.3		0
1,2,3,4,6,7,8-HpCDD	46 J		0.010	0.4600
Total HpCDD	46			
OCDD	370		0.001	0.3700
2,3,7,8-TCDF	ND	0.63	0.100	0
Total TCDF	ND	0.63		0
1,2,3,7,8-PeCDF	ND	0.37	0.050	0
2,3,4,7,8-PeCDF	ND	0.35	0.500	0
Total PeCDF	ND	0.37		0
1,2,3,4,7,8-HxCDF	ND	1.1	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.50	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.67	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.50	0.100	0
Total HxCDF	ND	4.5		0
1,2,3,4,6,7,8-HpCDF	ND	13	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.9	0.010	0
Total HpCDF	29			
OCDF	62 J		0.001	0.0620
Total TEQ Concentration				0.8920

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	40 - 135
13C-1,2,3,7,8-PeCDD	74	40 - 135
13C-1,2,3,6,7,8-HxCDD	98	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	102	40 - 135
13C-OCDD	104	40 - 135
13C-2,3,7,8-TCDF	88	40 - 135
13C-1,2,3,7,8-PeCDF	76	40 - 135
13C-1,2,3,4,7,8-HxCDF	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	103	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F WESTWALL #1

Lot-Sample #...: G8I050153 - 005
 Date Sampled...: 09/04/08
 Prep Date.....: 09/11/08
 Prep Batch #...: 8255407

Work Order #...: KWCKP2AC
 Date Received...: 09/05/08
 Analysis Date...: 09/12/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 17

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.71	1.000	0
Total TCDD	ND	2.0		0
1,2,3,7,8-PeCDD	ND	5.0	0.500	0
Total PeCDD	28			
1,2,3,4,7,8-HxCDD	ND	20	0.100	0
1,2,3,6,7,8-HxCDD	92		0.100	9.2000
1,2,3,7,8,9-HxCDD	46 J		0.100	4.6000
Total HxCDD	360			
1,2,3,4,6,7,8-HpCDD	3200		0.010	32.0000
Total HpCDD	4600			
OCDD	23000		0.001	23.0000
2,3,7,8-TCDF	ND	0.42	0.100	0
Total TCDF	ND	5.0		0
1,2,3,7,8-PeCDF	ND	1.5	0.050	0
2,3,4,7,8-PeCDF	ND	1.3	0.500	0
Total PeCDF	ND	17		0
1,2,3,4,7,8-HxCDF	ND	20	0.100	0
1,2,3,6,7,8-HxCDF	ND	8.9	0.100	0
2,3,4,6,7,8-HxCDF	ND	11	0.100	0
1,2,3,7,8,9-HxCDF	ND	6.4	0.100	0
Total HxCDF	530			
1,2,3,4,6,7,8-HpCDF	690		0.010	6.9000
1,2,3,4,7,8,9-HpCDF	48 J		0.010	0.4800
Total HpCDF	3000			
OCDF	4400		0.001	4.4000
Total TEQ Concentration				80.5800

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	77	40 - 135
13C-1,2,3,7,8-PeCDD	69	40 - 135
13C-1,2,3,6,7,8-HxCDD	82	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 135
13C-OCDD	104	40 - 135
13C-2,3,7,8-TCDF	79	40 - 135
13C-1,2,3,7,8-PeCDF	68	40 - 135
13C-1,2,3,4,7,8-HxCDF	85	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	93	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F WESTWALL #2

Lot-Sample #...: G8I050153 - 006
 Date Sampled...: 09/04/08
 Prep Date.....: 09/11/08
 Prep Batch #...: 8255407

Work Order #...: KWCKQ2AC
 Date Received..: 09/05/08
 Analysis Date..: 09/12/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 16

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.70	1.000	0
Total TCDD	ND	1.1		0
1,2,3,7,8-PeCDD	ND	1.2	0.500	0
Total PeCDD	ND	2.7		0
1,2,3,4,7,8-HxCDD	ND	6.7	0.100	0
1,2,3,6,7,8-HxCDD	ND	5.3	0.100	0
1,2,3,7,8,9-HxCDD	ND	2.5	0.100	0
Total HxCDD	ND	14		0
1,2,3,4,6,7,8-HpCDD	130		0.010	1.3000
Total HpCDD	200			
OCDD	880		0.001	0.8800
2,3,7,8-TCDF	ND	0.44	0.100	0
Total TCDF	ND	0.80		0
1,2,3,7,8-PeCDF	ND	0.39	0.050	0
2,3,4,7,8-PeCDF	ND	0.38	0.500	0
Total PeCDF	ND	1.6		0
1,2,3,4,7,8-HxCDF	ND	0.87	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.57	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.66	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.77	0.100	0
Total HxCDF	ND	18		0
1,2,3,4,6,7,8-HpCDF	31	J	0.010	0.3100
1,2,3,4,7,8,9-HpCDF	ND	1.8	0.010	0
Total HpCDF	120			
OCDF	180		0.001	0.1800
Total TEQ Concentration				2.6700

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	79	40 - 135
13C-1,2,3,7,8-PeCDD	72	40 - 135
13C-1,2,3,6,7,8-HxCDD	91	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 135
13C-OCDD	96	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	71	40 - 135
13C-1,2,3,4,7,8-HxCDF	87	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F BOTTOM #3

Lot-Sample #...: G8I050153 - 007
 Date Sampled...: 09/04/08
 Prep Date.....: 09/11/08
 Prep Batch #...: 8255407

Work Order #...: KWCKW2AC
 Date Received...: 09/05/08
 Analysis Date...: 09/12/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 13

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.48	1.000	0
Total TCDD	ND	0.48		0
1,2,3,7,8-PeCDD	ND	0.93	0.500	0
Total PeCDD	ND	0.93		0
1,2,3,4,7,8-HxCDD	ND	1.1	0.100	0
1,2,3,6,7,8-HxCDD	ND	2.8	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.9	0.100	0
Total HxCDD	ND	3.7		0
1,2,3,4,6,7,8-HpCDD	82		0.010	0.8200
Total HpCDD	120			
OCDD	610		0.001	0.6100
2,3,7,8-TCDF	ND	0.40	0.100	0
Total TCDF	ND	0.40		0
1,2,3,7,8-PeCDF	ND	0.37	0.050	0
2,3,4,7,8-PeCDF	ND	0.37	0.500	0
Total PeCDF	ND	0.46		0
1,2,3,4,7,8-HxCDF	ND	0.70	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.57	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.67	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.79	0.100	0
Total HxCDF	ND	8.9		0
1,2,3,4,6,7,8-HpCDF	ND	18	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	2.7	0.010	0
Total HpCDF	60			
OCDF	120		0.001	0.1200
Total TEQ Concentration				1.5500

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	79	40 - 135
13C-1,2,3,7,8-PeCDD	70	40 - 135
13C-1,2,3,6,7,8-HxCDD	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 135
13C-OCDD	92	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	70	40 - 135
13C-1,2,3,4,7,8-HxCDF	85	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	94	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F BOTTOM #2

Lot-Sample #...: G8I060209 - 003
 Date Sampled...: 09/05/08
 Prep Date.....: 09/08/08
 Prep Batch #...: 8252485

Work Order #...: KWFD11AC
 Date Received..: 09/06/08
 Analysis Date..: 09/10/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 13

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.82	1.000	0
Total TCDD	ND	2.4		0
1,2,3,7,8-PeCDD	ND	1.0	0.500	0
Total PeCDD	ND	1.0		0
1,2,3,4,7,8-HxCDD	ND	4.2	0.100	0
1,2,3,6,7,8-HxCDD	36 J		0.100	3.6000
1,2,3,7,8,9-HxCDD	ND	11	0.100	0
Total HxCDD	72			
1,2,3,4,6,7,8-HpCDD	850		0.010	8.5000
Total HpCDD	1300			
OCDD	5400		0.001	5.4000
2,3,7,8-TCDF	ND	1.0	0.100	0
Total TCDF	ND	4.4		0
1,2,3,7,8-PeCDF	ND	1.3	0.050	0
2,3,4,7,8-PeCDF	ND	0.72	0.500	0
Total PeCDF	ND	4.1		0
1,2,3,4,7,8-HxCDF	ND	6.4	0.100	0
1,2,3,6,7,8-HxCDF	ND	3.9	0.100	0
2,3,4,6,7,8-HxCDF	ND	6.4	0.100	0
1,2,3,7,8,9-HxCDF	ND	3.3	0.100	0
Total HxCDF	210			
1,2,3,4,6,7,8-HpCDF	280		0.010	2.8000
1,2,3,4,7,8,9-HpCDF	ND	14	0.010	0
Total HpCDF	1400			
OCDF	2200		0.001	2.2000
Total TEQ Concentration				22.5000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	77	40 - 135
13C-1,2,3,6,7,8-HxCDD	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 135
13C-OCDD	112	40 - 135
13C-2,3,7,8-TCDF	82	40 - 135
13C-1,2,3,7,8-PeCDF	73	40 - 135
13C-1,2,3,4,7,8-HxCDF	80	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	91	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F BOTTOM #1

Lot-Sample #...: G8I060209 - 004
 Date Sampled...: 09/05/08
 Prep Date.....: 09/08/08
 Prep Batch #...: 8252485

Work Order #...: KWFD21AC
 Date Received..: 09/06/08
 Analysis Date..: 09/10/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 19

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	4.0	1.000	0
Total TCDD	43			
1,2,3,7,8-PeCDD	150		0.500	75.0000
Total PeCDD	200			
1,2,3,4,7,8-HxCDD	520		0.100	52.0000
1,2,3,6,7,8-HxCDD	1500		0.100	150.0000
1,2,3,7,8,9-HxCDD	1100		0.100	110.0000
Total HxCDD	5800			
1,2,3,4,6,7,8-HpCDD	45000 D		0.010	450.0000
Total HpCDD	66000			
OCDD	210000	D	0.001	210.0000
2,3,7,8-TCDF	ND	CON 5.9	0.100	0
Total TCDF	80			
1,2,3,7,8-PeCDF	43 J		0.050	2.1000
2,3,4,7,8-PeCDF	36 J		0.500	18.0000
Total PeCDF	850			
1,2,3,4,7,8-HxCDF	350		0.100	35.0000
1,2,3,6,7,8-HxCDF	260		0.100	26.0000
2,3,4,6,7,8-HxCDF	210		0.100	21.0000
1,2,3,7,8,9-HxCDF	ND	12	0.100	0
Total HxCDF	12000			
1,2,3,4,6,7,8-HpCDF	14000		0.010	140.0000
1,2,3,4,7,8,9-HpCDF	820		0.010	8.2000
Total HpCDF	49000			
OCDF	67000	D	0.001	67.0000
Total TEQ Concentration				1364.3000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	88	40 - 135
13C-1,2,3,7,8-PeCDD	79	40 - 135
13C-1,2,3,6,7,8-HxCDD	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	106	40 - 135
13C-OCDD	133	40 - 135
13C-2,3,7,8-TCDF	87	40 - 135
13C-1,2,3,7,8-PeCDF	75	40 - 135
13C-1,2,3,4,7,8-HxCDF	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	101	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

- CON Confirmation analysis.
- D Result was obtained from the analysis of a dilution.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-F SOUTHWALL #1

Lot-Sample #...: G8I060209 - 005
 Date Sampled...: 09/05/08
 Prep Date.....: 09/08/08
 Prep Batch #...: 8252485

Work Order #...: KWFD31AC
 Date Received...: 09/06/08
 Analysis Date..: 09/10/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 15

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.2	1.000	0
Total TCDD	ND	1.2		0
1,2,3,7,8-PeCDD	ND	1.8	0.500	0
Total PeCDD	ND	2.6		0
1,2,3,4,7,8-HxCDD	ND	1.4	0.100	0
1,2,3,6,7,8-HxCDD	70		0.100	7.0000
1,2,3,7,8,9-HxCDD	ND	5.7	0.100	0
Total HxCDD	130			
1,2,3,4,6,7,8-HpCDD	1900		0.010	19.0000
Total HpCDD	3000			
OCDD	12000		0.001	12.0000
2,3,7,8-TCDF	ND	1.2	0.100	0
Total TCDF	ND	1.7		0
1,2,3,7,8-PeCDF	ND	1.2	0.050	0
2,3,4,7,8-PeCDF	ND	1.4	0.500	0
Total PeCDF	ND	3.8		0
1,2,3,4,7,8-HxCDF	ND	12	0.100	0
1,2,3,6,7,8-HxCDF	ND	3.3	0.100	0
2,3,4,6,7,8-HxCDF	ND	4.6	0.100	0
1,2,3,7,8,9-HxCDF	ND	6.8	0.100	0
Total HxCDF	400			
1,2,3,4,6,7,8-HpCDF	400		0.010	4.0000
1,2,3,4,7,8,9-HpCDF	ND	16	0.010	0
Total HpCDF	2400			
OCDF	3100		0.001	3.1000
Total TEQ Concentration				45.1000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	92	40 - 135
13C-1,2,3,7,8-PeCDD	81	40 - 135
13C-1,2,3,6,7,8-HxCDD	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	101	40 - 135
13C-OCDD	119	40 - 135
13C-2,3,7,8-TCDF	87	40 - 135
13C-1,2,3,7,8-PeCDF	77	40 - 135
13C-1,2,3,4,7,8-HxCDF	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	95	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC F

Post Excavation Sampling Log

Compounds	Remediation Goals	AOC F Bottom #1	AOC F Bottom #2	AOC F Bottom #3	AOC F South Wall #1	AOC F South Wall #2	AOC F South Wall #3	AOC F East Wall #1	AOC F West Wall #1	AOC F West Wall #2	AOC F North Wall #1	AOC F North Wall #2	AOC F North Wall #3	AOC F Bottom #1	AOC F Bottom #2	AOC F South Wall #1	AOC F North Wall #1
benzo (a) anthracene	1 ppm	ND	ND	ND	0.12	ND	ND	ND	ND	ND	0.011	ND	ND	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	1.9	1.1	ND	0.93	ND	ND	0.56	ND	0.42	12	0.4	ND	ND	ND	1.1	0.38
arsenic	13 ppm	5.2	8.1	13	4.3	8.5	4.9	8.4	7.9	10.1	9.4	13.1	7.9	NS	NS	NS	NS
chromium	30 ppm	12.3	15.6	25.1	14.5	19.7	17.8	18.2	18.4	20.6	16.2	15	14.2	NS	NS	NS	NS
copper	50 ppm	8.2	12.8	17.7	8.6	16.6	10.6	15.3	14.5	16.3	9.6	9.9	11.8	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	1.3	0.023	0.0016	0.045	0.00019	0.00089	0	0.081	0.0027	0.203	0.098	0.00028		NS	NS	NS

ND = Non-Detect
 Bold and Yellow=
 Exceedance

Mr. Tom Rengert
OP-TECH Environmental
6392 Deere Road
Syracuse, NY 13206

Job Number: 220-6658-1
Lab Sample Id: 220-6658-2
Client Matrix: Solid
Date Sampled: 09/23/2008 1000
Date Received: 09/24/2008 1129
% Moisture: 9.4

Client Sample ID: AOC-F NORTHWALL #1/FIELD ORDER #19

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	380 J	ug/Kg	37	8270C	09/24/2008 1153	09/25/2008 1636	1.0
GENERAL CHEMISTRY							
Percent Moisture	9.42	%	0.100	PercentMoisture		09/24/2008 1446	1.0
Percent Solids	90.6	%	0.100	PercentMoisture		09/24/2008 1446	1.0

Mr. Tom Rengert
OP-TECH Environmental
6392 Deere Road
Syracuse, NY 13206

Job Number: 220-6658-1
Lab Sample Id: 220-6658-3
Client Matrix: Solid
Date Sampled: 09/23/2008 1349
Date Received: 09/24/2008 1129
% Moisture: 11.7

Client Sample ID: AOC-F SOUTHWALL #1/FIELD ORDER #19

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	1100 J	ug/Kg	38	8270C	09/24/2008 1153	09/25/2008 1703	1.0
GENERAL CHEMISTRY							
Percent Moisture	11.7	%	0.100	PercentMoisture		09/24/2008 1446	1.0
Percent Solids	88.3	%	0.100	PercentMoisture		09/24/2008 1446	1.0

Mr. Tom Rengert
OP-TECH Environmental
6392 Deere Road
Syracuse, NY 13206

Job Number: 220-6658-1
Lab Sample Id: 220-6658-4
Client Matrix: Solid
Date Sampled: 09/23/2008 1422
Date Received: 09/24/2008 1129
% Moisture: 8.2

Client Sample ID: AOC-F BOTTOM #1/FIELD ORDER #19

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	36 U	ug/Kg	36	8270C	09/24/2008 1153	09/25/2008 1729	1.0
GENERAL CHEMISTRY							
Percent Moisture	8.16	%	0.100	PercentMoisture		09/24/2008 1446	1.0
Percent Solids	91.8	%	0.100	PercentMoisture		09/24/2008 1446	1.0

Mr. Tom Rengert
 OP-TECH Environmental
 6392 Deere Road
 Syracuse, NY 13206

Job Number: 220-6658-1
 Lab Sample Id: 220-6658-5
 Client Matrix: Solid
 Date Sampled: 09/23/2008 1510
 Date Received: 09/24/2008 1129
 % Moisture: 16.9

Client Sample ID: AOC-F BOTTOM #2/FIELD ORDER #19

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	40 U	ug/Kg	40	8270C	09/24/2008 1153	09/25/2008 1756	1.0
GENERAL CHEMISTRY							
Percent Moisture	16.9	%	0.100	PercentMoisture		09/24/2008 1446	1.0
Percent Solids	83.1	%	0.100	PercentMoisture		09/24/2008 1446	1.0

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC F

Post Excavation Sampling Log

Compounds	Remediation Goals	AOC F Bottom #1	AOC F Bottom #2	AOC F Bottom #3	AOC F South Wall #1	AOC F South Wall #2	AOC F South Wall #3	AOC F East Wall #1	AOC F West Wall #1	AOC F West Wall #2	AOC F North Wall #1	AOC F North Wall #2	AOC F North Wall #3	AOC F Bottom #1	AOC F Bottom #2	AOC F South Wall #1	AOC F North Wall #1	AOC F South Wall #1
benzo (a) anthracene	1 ppm	ND	ND	ND	0.12	ND	ND	ND	ND	ND	0.011	ND	ND	NS	NS	NS	NS	NS
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND	NS	NS	NS	NS	NS
pentachlorophenol	0.8 ppm	1.9	1.1	ND	0.93	ND	ND	0.56	ND	0.42	12	0.4	ND	ND	ND	1.1	0.38	0.28
arsenic	13 ppm	5.2	8.1	13	4.3	8.5	4.9	8.4	7.9	10.1	9.4	13.1	7.9	NS	NS	NS	NS	NS
chromium	30 ppm	12.3	15.6	25.1	14.5	19.7	17.8	18.2	18.4	20.6	16.2	15	14.2	NS	NS	NS	NS	NS
copper	50 ppm	8.2	12.8	17.7	8.6	16.6	10.6	15.3	14.5	16.3	9.6	9.9	11.8	NS	NS	NS	NS	NS
2,3,7,8-TCDD TEQ	1 ppb	1.3	0.023	0.0016	0.045	0.00019	0.00089	0	0.081	0.0027	0.203	0.098	0.00028	0.00098	NS	NS	NS	NS

ND = Non-Detect
 Bold and Yellow=
 Exceedance

ANALYTICAL REPORT

Job Number: 220-6768-1

SDG Number: 220-6768

Job Description: Camp Georgetown / Post Remediation

For:

OP-TECH Environmental

6392 Deere Road

Syracuse, NY 13206

Attention: Mr. Tom Rengert



Designee for

Erin A Gaus

Project Manager I

erin.gaus@testamericainc.com

10/06/2008

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: OP-TECH Environmental

Job Number: 220-6768-1

Sdg Number: 220-6768

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
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.

SAMPLE SUMMARY

Client: OP-TECH Environmental

Job Number: 220-6768-1

Sdg Number: 220-6768

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-6768-1	AOC-F/Field order#30/South wall#1	Solid	10/01/2008 0815	10/02/2008 0945

Mr. Tom Rengert
OP-TECH Environmental
6392 Deere Road
Syracuse, NY 13206

Job Number: 220-6768-1
Lab Sample Id: 220-6768-1
Client Matrix: Solid
Date Sampled: 10/01/2008 0815
Date Received: 10/02/2008 0945
% Moisture: 12.1

Client Sample ID: AOC-F/Field order#30/South wall#1

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	280 J	ug/Kg	37	8270C	10/02/2008 1049	10/03/2008 1448	1.0
GENERAL CHEMISTRY							
Percent Moisture	12.1	%	0.100	PercentMoisture		10/02/2008 1652	1.0
Percent Solids	87.9	%	0.100	PercentMoisture		10/02/2008 1652	1.0

DATA REPORTING QUALIFIERS

Client: OP-TECH Environmental

Job Number: 220-6768-1

Sdg Number: 220-6768

Lab Section	Qualifier	Description
GC/MS Semi VOA	J	Indicates an estimated value.

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC G

Post Excavation Sampling
 TOTAL SAMPLES =

5

Compounds	Remediation Goals	AOC G North Wall #1	AOC G South Wall #1	AOC G East Wall #1	AOC G West Wall #1	AOC G Bottom #1						
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND						
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND						
pentachlorophenol	0.8 ppm	ND	ND	0.35	ND	ND						
arsenic	13 ppm	9.9	8.2	8.3	9	11						
chromium	30 ppm	19.7	16.8	17	18.3	21.6						
copper	50 ppm	15.7	11.5	13	12.4	17.3						
2,3,7,8-TCDD TEQ	1 ppb	0.06	0.00016	0	0.00016	0.0093						

ND = Non-Detect
 Bold and Yellow=
 Exceedance

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC G

Post Excavation Sampling

Compounds	Remediation Goals	AOC G North Wall #1	AOC G South Wall #1	AOC G East Wall #1	AOC G West Wall #1	AOC G Bottom #1						
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND						
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND						
pentachlorophenol	0.8 ppm	ND	ND	0.35	ND	ND						
arsenic	13 ppm	9.9	8.2	8.3	9	11						
chromium	30 ppm	19.7	16.8	17	18.3	21.6						
copper	50 ppm	15.7	11.5	13	12.4	17.3						
2,3,7,8-TCDD TEQ	1 ppb	0.06	0.00016	0	0.00016	0.0093						

ND = Non-Detect
 Bold and Yellow=
 Exceedance

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

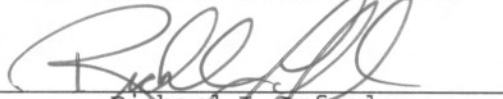
Job#: A08-A076

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.


Richard J. Lafond
Project Manager

08/26/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A07605	AOC-G BOTTOM #1	SOIL	08/18/2008	16:30	08/19/2008	09:00
A8A07603	AOC-G EASTWALL #1	SOIL	08/18/2008	15:12	08/19/2008	09:00
A8A07601	AOC-G NORTHWALL #1	SOIL	08/18/2008	16:00	08/19/2008	09:00
A8A07602	AOC-G SOUTHWALL #1	SOIL	08/18/2008	15:20	08/19/2008	09:00
A8A07604	AOC-G WESTWALL #1	SOIL	08/18/2008	15:40	08/19/2008	09:00

METHODS SUMMARY

Job#: A08-A076Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-A076Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A076

Sample Cooler(s) were received at the following temperature(s); 3@3.4 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The analyte Iron was detected in the Method Blank (A8B2092102) at a level above the project established reporting limit. However, all samples had levels of Iron greater than ten times that of the Method Blank value, therefore, no corrective action was necessary.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

DEC OP TECH
Camp Georgetown

Sample ID: AOC-G BOTTOM #1

Lab Sample ID: A8A07605

Date Collected: 08/18/2008

Time Collected: 16:30

Date Received: 08/19/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/22/2008	18:27	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/22/2008	18:27	MD
Pentachlorophenol	ND		370	UG/KG	8270	08/22/2008	18:27	MD
Metals Analysis								
Arsenic - Total	11.0		2.3	MG/KG	6010	08/21/2008	21:17	AH
Chromium - Total	21.6		0.60	MG/KG	6010	08/21/2008	21:17	AH
Copper - Total	17.3		1.2	MG/KG	6010	08/21/2008	21:17	AH

Sample ID: AOC-G EASTWALL #1

Lab Sample ID: A8A07603

Date Collected: 08/18/2008

Time Collected: 15:12

Date Received: 08/19/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		190		UG/KG	8270	08/22/2008	17:41	MD
Bis(2-ethylhexyl) phthalate	ND		190		UG/KG	8270	08/22/2008	17:41	MD
Pentachlorophenol	350	J	370		UG/KG	8270	08/22/2008	17:41	MD
Metals Analysis									
Arsenic - Total	8.3		2.1		MG/KG	6010	08/21/2008	21:06	AH
Chromium - Total	17.0		0.52		MG/KG	6010	08/21/2008	21:06	AH
Copper - Total	13.0		1.0		MG/KG	6010	08/21/2008	21:06	AH

Sample ID: AOC-G NORTHWALL #1

Lab Sample ID: A8A07601

Date Collected: 08/18/2008

Time Collected: 16:00

Date Received: 08/19/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/22/2008	16:51	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/22/2008	16:51	MD
Pentachlorophenol	ND		370	UG/KG	8270	08/22/2008	16:51	MD
Metals Analysis								
Arsenic - Total	9.9		2.5	MG/KG	6010	08/21/2008	20:56	AH
Chromium - Total	19.7		0.61	MG/KG	6010	08/21/2008	20:56	AH
Copper - Total	15.7		1.2	MG/KG	6010	08/21/2008	20:56	AH

Sample ID: AOC-G SOUTHWALL #1

Date Received: 08/19/2008

Lab Sample ID: A8A07602

Project No: NY5A9454

Date Collected: 08/18/2008

Client No: 135066

Time Collected: 15:20

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/22/2008	17:18	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/22/2008	17:18	MD
Pentachlorophenol	ND		370	UG/KG	8270	08/22/2008	17:18	MD
Metals Analysis								
Arsenic - Total	8.2		2.3	MG/KG	6010	08/21/2008	21:01	AH
Chromium - Total	16.8		0.55	MG/KG	6010	08/21/2008	21:01	AH
Copper - Total	11.5		1.1	MG/KG	6010	08/21/2008	21:01	AH

Sample ID: AOC-G WESTWALL #1

Lab Sample ID: A8A07604

Date Collected: 08/18/2008

Time Collected: 15:40

Date Received: 08/19/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/22/2008	18:04	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/22/2008	18:04	MD
Pentachlorophenol	ND		370	UG/KG	8270	08/22/2008	18:04	MD
Metals Analysis								
Arsenic - Total	9.0		2.4	MG/KG	6010	08/21/2008	21:12	AH
Chromium - Total	18.3		0.62	MG/KG	6010	08/21/2008	21:12	AH
Copper - Total	12.4		1.2	MG/KG	6010	08/21/2008	21:12	AH

Chain of Custody Record

TAL-4142 (0907)

Client: **OP-Tech** Project Manager: **Tom Rensent** Date: **8/18/08** Chain of Custody Number: **391085**
 Address: **6392 Decre Rd** Telephone Number (Area Code)/Fax Number: _____ Lab Number: _____
 City: **SYRACUSE** State: **NY** Zip Code: **13206** Site Contact: _____ Lab Contact: _____
 Project Name and Location (State): **Camp Georgetown / Post Excavation** Carrier/Waybill Number: _____
 Contract/Purchase Order/Quote No.: **SIDCR011**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)				Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Metals (6010)	TCL SVOC (8270)	Dioxins +	Furans		
AOC-G Northwall #1	8/18/08	4:00				X	3							X	X	X	X	
AOC-G Southwall #1	8/18/08	3:20				X	3							X	X	X	X	
AOC-G Eastwall #1	8/18/08	3:12				X	3							X	X	X	X	
AOC-G Westwall #1	8/18/08	3:40				X	3							X	X	X	X	
AOC-G Bottom #1	8/18/08	4:20				X	3							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): **Category B**

1. Relinquished By: <i>[Signature]</i> Date: 8/18/08 Time: 4:45	1. Received By: <i>[Signature]</i> Date: 8/18/08 Time: 16:45
2. Relinquished By: <i>[Signature]</i> Date: 8/18/08 Time: 1800	2. Received By: <i>[Signature]</i> Date: 8/18/08 Time: 1800
3. Relinquished By: <i>[Signature]</i> Date: 8/18/08 Time: 1900	3. Received By: <i>[Signature]</i> Date: 8/19/08 Time: 0950

Comments: *** AS only and PCR only per client 8/20/08. LHS 3 03.401**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

12/12

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-G NORTHWALL #1

Lot-Sample #...:	G8H190143 - 001	Work Order #...:	KVDHA1AC	Matrix....:	SOLID
Date Sampled...:	08/18/08	Date Received...:	08/19/08	Instrument:	4D5
Prep Date.....:	08/19/08	Analysis Date..:	08/22/08	Units.....:	pg/g
Prep Batch #...:	8232484	Dilution Factor:	1	% Moisture:	13

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.44	1.000	0
Total TCDD	ND	0.83		0
1,2,3,7,8-PeCDD	ND	2.5	0.500	0
Total PeCDD	ND	2.5		0
1,2,3,4,7,8-HxCDD	8.3	J	0.100	0.8300
1,2,3,6,7,8-HxCDD	68		0.100	6.8000
1,2,3,7,8,9-HxCDD	22		0.100	2.2000
Total HxCDD	180			
1,2,3,4,6,7,8-HpCDD	1800		0.010	18.0000
Total HpCDD	2600			
OCDD	14000	E	0.001	14.0000
2,3,7,8-TCDF	ND	0.78	0.100	0
Total TCDF	ND	1.2		0
1,2,3,7,8-PeCDF	ND	2.4	0.050	0
2,3,4,7,8-PeCDF	ND	2.2	0.500	0
Total PeCDF	17			
1,2,3,4,7,8-HxCDF	20		0.100	2.0000
1,2,3,6,7,8-HxCDF	9.7	J	0.100	0.9700
2,3,4,6,7,8-HxCDF	7.6	J	0.100	0.7600
1,2,3,7,8,9-HxCDF	ND	0.83	0.100	0
Total HxCDF	630			
1,2,3,4,6,7,8-HpCDF	790		0.010	7.9000
1,2,3,4,7,8,9-HpCDF	51		0.010	0.5100
Total HpCDF	3700			
OCDF	6300		0.001	6.3000
Total TEQ Concentration				60.2700

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	88	40 - 135
13C-1,2,3,7,8-PeCDD	82	40 - 135
13C-1,2,3,6,7,8-HxCDD	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	102	40 - 135
13C-OCDD	119	40 - 135
13C-2,3,7,8-TCDF	89	40 - 135
13C-1,2,3,7,8-PeCDF	76	40 - 135
13C-1,2,3,4,7,8-HxCDF	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	101	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-G SOUTHWALL #1

Lot-Sample #...: G8H190143 - 002	Work Order #...: KVDHJ1AC	Matrix....: SOLID
Date Sampled...: 08/18/08	Date Received...: 08/19/08	Instrument: 4D5
Prep Date.....: 08/19/08	Analysis Date...: 08/22/08	Units.....: pg/g
Prep Batch #...: 8232484	Dilution Factor: 1	% Moisture: 12

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.44	1.000	0
Total TCDD	ND	0.44		0
1,2,3,7,8-PeCDD	ND	0.28	0.500	0
Total PeCDD	ND	0.28		0
1,2,3,4,7,8-HxCDD	ND	0.15	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.43	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.11	0.100	0
Total HxCDD	ND	0.43		0
1,2,3,4,6,7,8-HpCDD	8.1	J	0.010	0.0810
Total HpCDD	8.1			
OCDD	81		0.001	0.0810
2,3,7,8-TCDF	ND	0.76	0.100	0
Total TCDF	ND	0.76		0
1,2,3,7,8-PeCDF	ND	0.14	0.050	0
2,3,4,7,8-PeCDF	ND	0.14	0.500	0
Total PeCDF	ND	0.43		0
1,2,3,4,7,8-HxCDF	ND	0.11	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.11	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.11	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.14	0.100	0
Total HxCDF	ND	1.0		0
1,2,3,4,6,7,8-HpCDF	ND	2.2	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.22	0.010	0
Total HpCDF	ND	5.5		0
OCDF	ND	11	0.001	0
Total TEQ Concentration				0.1620

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	86	40 - 135
13C-1,2,3,7,8-PeCDD	80	40 - 135
13C-1,2,3,6,7,8-HxCDD	95	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	100	40 - 135
13C-OCDD	99	40 - 135
13C-2,3,7,8-TCDF	85	40 - 135
13C-1,2,3,7,8-PeCDF	74	40 - 135
13C-1,2,3,4,7,8-HxCDF	97	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	102	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-G EASTWALL #1

Lot-Sample #...: G8H190143 - 003
 Date Sampled...: 08/18/08
 Prep Date.....: 08/19/08
 Prep Batch #...: 8232484

Work Order #...: KVDHM1AC
 Date Received...: 08/19/08
 Analysis Date...: 08/22/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.56	1.000	0
Total TCDD	ND	0.56		0
1,2,3,7,8-PeCDD	ND	0.41	0.500	0
Total PeCDD	ND	0.41		0
1,2,3,4,7,8-HxCDD	ND	0.23	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.18	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.18	0.100	0
Total HxCDD	ND	0.26		0
1,2,3,4,6,7,8-HpCDD	ND	0.65	0.010	0
Total HpCDD	ND	0.65		0
OCDD	ND	5.0	0.001	0
2,3,7,8-TCDF	ND	1.1	0.100	0
Total TCDF	ND	1.1		0
1,2,3,7,8-PeCDF	ND	0.18	0.050	0
2,3,4,7,8-PeCDF	ND	0.17	0.500	0
Total PeCDF	ND	0.53		0
1,2,3,4,7,8-HxCDF	ND	0.14	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.11	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.12	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.15	0.100	0
Total HxCDF	ND	0.15		0
1,2,3,4,6,7,8-HpCDF	ND	0.26	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.21	0.010	0
Total HpCDF	ND	0.37		0
OCDF	ND	0.77	0.001	0
Total TEQ Concentration				0

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	62	40 - 135
13C-1,2,3,7,8-PeCDD	55	40 - 135
13C-1,2,3,6,7,8-HxCDD	63	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	69	40 - 135
13C-OCDD	67	40 - 135
13C-2,3,7,8-TCDF	62	40 - 135
13C-1,2,3,7,8-PeCDF	53	40 - 135
13C-1,2,3,4,7,8-HxCDF	66	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	70	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-G WESTWALL #1

Lot-Sample #...: G8H190143 - 004
 Date Sampled...: 08/18/08
 Prep Date.....: 08/19/08
 Prep Batch #...: 8232484

Work Order #...: KVDHP1AC
 Date Received..: 08/19/08
 Analysis Date...: 08/22/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 11

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.40	1.000	0
Total TCDD	ND	0.40		0
1,2,3,7,8-PeCDD	ND	0.27	0.500	0
Total PeCDD	ND	0.27		0
1,2,3,4,7,8-HxCDD	ND	0.18	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.21	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.15	0.100	0
Total HxCDD	ND	0.34		0
1,2,3,4,6,7,8-HpCDD	5.9	J	0.010	0.0590
Total HpCDD	5.9			
OCDD	47		0.001	0.0470
2,3,7,8-TCDF	ND	0.88	0.100	0
Total TCDF	ND	0.88		0
1,2,3,7,8-PeCDF	ND	0.13	0.050	0
2,3,4,7,8-PeCDF	ND	0.13	0.500	0
Total PeCDF	ND	0.40		0
1,2,3,4,7,8-HxCDF	ND	0.11	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.084	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.095	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.11	0.100	0
Total HxCDF	ND	0.88		0
1,2,3,4,6,7,8-HpCDF	ND	1.5	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.17	0.010	0
Total HpCDF	ND	5.1		0
OCDF	ND	9.4	0.001	0
Total TEQ Concentration				0.1060

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	79	40 - 135
13C-1,2,3,6,7,8-HxCDD	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	97	40 - 135
13C-OCDD	94	40 - 135
13C-2,3,7,8-TCDF	84	40 - 135
13C-1,2,3,7,8-PeCDF	70	40 - 135
13C-1,2,3,4,7,8-HxCDF	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	99	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-G BOTTOM #1

Lot-Sample #...: G8H190143 - 005
 Date Sampled...: 08/18/08
 Prep Date.....: 08/19/08
 Prep Batch #...: 8232484

Work Order #...: KVDHR1AC
 Date Received..: 08/19/08
 Analysis Date...: 08/22/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 9.2

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.45	1.000	0
Total TCDD	ND	0.45		0
1,2,3,7,8-PeCDD	ND	0.69	0.500	0
Total PeCDD	ND	0.69		0
1,2,3,4,7,8-HxCDD	ND	1.9	0.100	0
1,2,3,6,7,8-HxCDD	18		0.100	1.8000
1,2,3,7,8,9-HxCDD	ND	4.4	0.100	0
Total HxCDD	34			
1,2,3,4,6,7,8-HpCDD	380		0.010	3.8000
Total HpCDD	560			
OCDD	2400		0.001	2.4000
2,3,7,8-TCDF	ND	1.0	0.100	0
Total TCDF	ND	1.0		0
1,2,3,7,8-PeCDF	ND	0.67	0.050	0
2,3,4,7,8-PeCDF	ND	0.53	0.500	0
Total PeCDF	ND	1.9		0
1,2,3,4,7,8-HxCDF	ND	4.5	0.100	0
1,2,3,6,7,8-HxCDF	ND	2.2	0.100	0
2,3,4,6,7,8-HxCDF	ND	1.9	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.35	0.100	0
Total HxCDF	100			
1,2,3,4,6,7,8-HpCDF	85		0.010	0.8500
1,2,3,4,7,8,9-HpCDF	5.9	J	0.010	0.0590
Total HpCDF	360			
OCDF	420		0.001	0.4200
Total TEQ Concentration				9.3290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	84	40 - 135
13C-1,2,3,7,8-PeCDD	77	40 - 135
13C-1,2,3,6,7,8-HxCDD	91	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	100	40 - 135
13C-OCDD	104	40 - 135
13C-2,3,7,8-TCDF	84	40 - 135
13C-1,2,3,7,8-PeCDF	73	40 - 135
13C-1,2,3,4,7,8-HxCDF	93	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	101	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-G NORTHWALL #1

Trace Level Organic Compounds

Lot-Sample #...: G8H190143-001 Work Order #...: KVDHA1AC Matrix.....: SOLID
 Date Sampled...: 08/18/08 Date Received...: 08/19/08
 Prep Date.....: 08/19/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8232484
 Dilution Factor: 1
 % Moisture.....: 13

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.44	pg/g	SW846 8290
Total TCDD	ND	0.83	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	2.5	pg/g	SW846 8290
Total PeCDD	ND	2.5	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	8.3 J		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	68		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	22		pg/g	SW846 8290
Total HxCDD	180		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	1800		pg/g	SW846 8290
Total HpCDD	2600		pg/g	SW846 8290
OCDD	14000 E		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.78	pg/g	SW846 8290
Total TCDF	ND	1.2	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	2.4	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.2	pg/g	SW846 8290
Total PeCDF	17		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	20		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	9.7 J		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	7.6 J		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.83	pg/g	SW846 8290
Total HxCDF	630		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	790		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	51		pg/g	SW846 8290
Total HpCDF	3700		pg/g	SW846 8290
OCDF	6300		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	88	(40 - 135)
13C-1,2,3,7,8-PeCDD	82	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	102	(40 - 135)
13C-OCDD	119	(40 - 135)
13C-2,3,7,8-TCDF	89	(40 - 135)
13C-1,2,3,7,8-PeCDF	76	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	101	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

E Estimated result. Result concentration exceeds the calibration range.

OP-TECH Environmental

Client Sample ID: AOC-G SOUTHWALL #1

Trace Level Organic Compounds

Lot-Sample #...: G8H190143-002 Work Order #...: KVDHJ1AC Matrix.....: SOLID
 Date Sampled...: 08/18/08 Date Received...: 08/19/08
 Prep Date.....: 08/19/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8232484
 Dilution Factor: 1
 % Moisture.....: 12

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.44	pg/g	SW846 8290
Total TCDD	ND	0.44	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.28	pg/g	SW846 8290
Total PeCDD	ND	0.28	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.15	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.43	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.11	pg/g	SW846 8290
Total HxCDD	ND	0.43	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	8.1 J		pg/g	SW846 8290
Total HpCDD	8.1		pg/g	SW846 8290
OCDD	81		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.76	pg/g	SW846 8290
Total TCDF	ND	0.76	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.14	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.14	pg/g	SW846 8290
Total PeCDF	ND	0.43	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.11	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.11	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.11	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.14	pg/g	SW846 8290
Total HxCDF	ND	1.0	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	2.2	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.22	pg/g	SW846 8290
Total HpCDF	ND	5.5	pg/g	SW846 8290
OCDF	ND	11	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	80	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	95	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	100	(40 - 135)
13C-OCDD	99	(40 - 135)
13C-2,3,7,8-TCDF	85	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	97	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	102	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-G EASTWALL #1

Trace Level Organic Compounds

Lot-Sample #...: G8H190143-003 Work Order #...: KVDHM1AC Matrix.....: SOLID
 Date Sampled...: 08/18/08 Date Received...: 08/19/08
 Prep Date.....: 08/19/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8232484
 Dilution Factor: 1
 % Moisture.....: 11

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.56	pg/g	SW846 8290
Total TCDD	ND	0.56	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.41	pg/g	SW846 8290
Total PeCDD	ND	0.41	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.23	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.18	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.18	pg/g	SW846 8290
Total HxCDD	ND	0.26	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.65	pg/g	SW846 8290
Total HpCDD	ND	0.65	pg/g	SW846 8290
OCDD	ND	5.0	pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.1	pg/g	SW846 8290
Total TCDF	ND	1.1	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.18	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.17	pg/g	SW846 8290
Total PeCDF	ND	0.53	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.14	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.11	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.12	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.15	pg/g	SW846 8290
Total HxCDF	ND	0.15	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.26	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.21	pg/g	SW846 8290
Total HpCDF	ND	0.37	pg/g	SW846 8290
OCDF	ND	0.77	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	62	(40 - 135)
13C-1,2,3,7,8-PeCDD	55	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	63	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	69	(40 - 135)
13C-OCDD	67	(40 - 135)
13C-2,3,7,8-TCDF	62	(40 - 135)
13C-1,2,3,7,8-PeCDF	53	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	66	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	70	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

OP-TECH Environmental

Client Sample ID: AOC-G WESTWALL #1

Trace Level Organic Compounds

Lot-Sample #...: G8H190143-004 Work Order #...: KVDHP1AC Matrix.....: SOLID
 Date Sampled...: 08/18/08 Date Received...: 08/19/08
 Prep Date.....: 08/19/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8232484
 Dilution Factor: 1
 % Moisture.....: 11

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.40	pg/g	SW846 8290
Total TCDD	ND	0.40	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.27	pg/g	SW846 8290
Total PeCDD	ND	0.27	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.18	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.21	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.15	pg/g	SW846 8290
Total HxCDD	ND	0.34	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	5.9 J		pg/g	SW846 8290
Total HpCDD	5.9		pg/g	SW846 8290
OCDD	47		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.88	pg/g	SW846 8290
Total TCDF	ND	0.88	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.13	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.13	pg/g	SW846 8290
Total PeCDF	ND	0.40	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.11	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.084	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.095	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.11	pg/g	SW846 8290
Total HxCDF	ND	0.88	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	1.5	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.17	pg/g	SW846 8290
Total HpCDF	ND	5.1	pg/g	SW846 8290
OCDF	ND	9.4	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	79	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	97	(40 - 135)
13C-OCDD	94	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	70	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	93	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	99	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-G BOTTOM #1

Trace Level Organic Compounds

Lot-Sample #...: G8H190143-005 Work Order #...: KVDHR1AC Matrix.....: SOLID
 Date Sampled...: 08/18/08 Date Received...: 08/19/08
 Prep Date.....: 08/19/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8232484
 Dilution Factor: 1
 % Moisture.....: 9.2

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.45	pg/g	SW846 8290
Total TCDD	ND	0.45	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.69	pg/g	SW846 8290
Total PeCDD	ND	0.69	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	1.9	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	18		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	4.4	pg/g	SW846 8290
Total HxCDD	34		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	380		pg/g	SW846 8290
Total HpCDD	560		pg/g	SW846 8290
OCDD	2400		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.0	pg/g	SW846 8290
Total TCDF	ND	1.0	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.67	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.53	pg/g	SW846 8290
Total PeCDF	ND	1.9	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	4.5	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	2.2	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	1.9	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.35	pg/g	SW846 8290
Total HxCDF	100		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	85		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	5.9 J		pg/g	SW846 8290
Total HpCDF	360		pg/g	SW846 8290
OCDF	420		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	84	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	100	(40 - 135)
13C-OCDD	104	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	73	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	93	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	101	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H190143
 MB Lot-Sample #: G8H190000-484

Work Order #...: KVEWW1AA

Matrix.....: SOLID

Prep Date.....: 08/19/08

Analysis Date...: 08/22/08

Prep Batch #...: 8232484

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.41	pg/g	SW846 8290
Total TCDD	ND	0.41	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.20	pg/g	SW846 8290
Total PeCDD	ND	0.20	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.090	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.071	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.071	pg/g	SW846 8290
Total HxCDD	ND	0.090	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.12	pg/g	SW846 8290
Total HpCDD	ND	0.12	pg/g	SW846 8290
OCDD	ND	0.32	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.70	pg/g	SW846 8290
Total TCDF	ND	0.70	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.099	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.098	pg/g	SW846 8290
Total PeCDF	ND	0.38	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.069	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.057	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.066	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.078	pg/g	SW846 8290
Total HxCDF	ND	0.078	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.058	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.070	pg/g	SW846 8290
Total HpCDF	ND	0.070	pg/g	SW846 8290
OCDF	ND	0.26	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	90	(40 - 135)
13C-1,2,3,7,8-PeCDD	83	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	99	(40 - 135)
13C-OCDD	99	(40 - 135)
13C-2,3,7,8-TCDF	89	(40 - 135)
13C-1,2,3,7,8-PeCDF	78	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	97	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	99	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H190143 Work Order #...: KVEWW1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H190000-484
 Prep Date.....: 08/19/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8232484
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	111	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	98	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	117	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	107	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	117	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	111	(82 - 134)	SW846 8290
OCDD	111	(74 - 144)	SW846 8290
2,3,7,8-TCDF	104	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	110	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	101	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	109	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	106	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	114	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	121	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	113	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	116	(78 - 130)	SW846 8290
OCDF	114	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	84	(40 - 135)
13C-1,2,3,7,8-PeCDD	79	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	97	(40 - 135)
13C-2,3,7,8-TCDF	85	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	95	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H190143 Work Order #...: KVEWW1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H190000-484
 Prep Date.....: 08/19/08 Analysis Date...: 08/22/08
 Prep Batch #...: 8232484
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	40.0	44.4	pg/g	111	SW846 8290
1,2,3,7,8-PeCDD	200	197	pg/g	98	SW846 8290
1,2,3,4,7,8-HxCDD	200	233	pg/g	117	SW846 8290
1,2,3,6,7,8-HxCDD	200	213	pg/g	107	SW846 8290
1,2,3,7,8,9-HxCDD	200	234	pg/g	117	SW846 8290
1,2,3,4,6,7,8-HpCDD	200	222	pg/g	111	SW846 8290
OCDD	400	444	pg/g	111	SW846 8290
2,3,7,8-TCDF	40.0	41.7	pg/g	104	SW846 8290
1,2,3,7,8-PeCDF	200	220	pg/g	110	SW846 8290
2,3,4,7,8-PeCDF	200	202	pg/g	101	SW846 8290
1,2,3,4,7,8-HxCDF	200	218	pg/g	109	SW846 8290
1,2,3,6,7,8-HxCDF	200	212	pg/g	106	SW846 8290
2,3,4,6,7,8-HxCDF	200	229	pg/g	114	SW846 8290
1,2,3,7,8,9-HxCDF	200	241	pg/g	121	SW846 8290
1,2,3,4,6,7,8-HpCDF	200	225	pg/g	113	SW846 8290
1,2,3,4,7,8,9-HpCDF	200	233	pg/g	116	SW846 8290
OCDF	400	455	pg/g	114	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	84	(40 - 135)
13C-1,2,3,7,8-PeCDD	79	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	97	(40 - 135)
13C-2,3,7,8-TCDF	85	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	95	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G8H190143

Work Order #...: KT9H6-SMP
KT9H6-DUP

Matrix.....: SOLID

Date Sampled...: 08/11/08

Date Received...: 08/14/08

% Moisture.....: 0.0

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture						SD Lot-Sample #:	G8H160133-001	
ND		ND	%	0	(0-20)	ASTM D 2216-90	08/20-08/21/08	8233491

Dilution Factor: 1

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 4989 Crumb Hill Road
 Georgetown, NY

AOC H

Post Excavation Sampling
 TOTAL SAMPLES =

8

Compounds	Remediation Goals	AOC-H Bottom 1	AOC-H Bottom 2	AOC-H East Wall 1	AOC-H East Wall 2	AOC-H North Wall 1	AOC-H South Wall 1	AOC-H West Wall 1	AOC-H West Wall 2			
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	ND	ND	ND			
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND			
pentachlorophenol	0.8 ppm	ND	ND	ND	ND	ND	ND	ND	ND			
arsenic	13 ppm	6.2	7.3	7.1	5.4	7.4	6.6	6.5	6.1			
chromium	30 ppm	14.3	14.8	11.6	12.1	15.6	14.8	7.5	13.2			
copper	50 ppm	6.8	7.6	8.3	7.1	11.9	9	5.4	6			
2,3,7,8-TCDD TEQ	1 ppb	0.014	0.002	0.003	0.01	0.005	0.094	0.0007	0.013			

ND = Non-Detect
 Bold and Yellow=
 Exceedance



OP-TECH Environmental Services, Inc



6392 Deere Road
Syracuse, NY 13206

Phone (315) 463 -1643 Fax (315) 463-9764

LETTER OF TRANSMITTAL

Date: August 11, 2008

Job No.

Attention: Michael Mason, PE

RE: Transmittal No. 038

TO: NYS Department of Environmental Conservation
 Remedial Section A, Remedial Bureau E
 Division of Environmental Remediation
 625 Broadway, 12th Floor
 Albany, New York 12233-7017

Camp Georgetown Remedial Excavation

Contract No. D006614

WE ARE SENDING YOU: Attached Under a separate cover via _____ The following items:

Shop Drawings Change Order Prints Plans Specifications

Copy of Letter Samples Contract _____

COPIES	DATE	NUMBER	DESCRIPTION
1	August 11, 2008	1	AOC H Confirmatory Sampling Log
1	August 11, 2008	2	AOC H Analytical Data

THESE ARE TRANSMITTED as checked below:

For Approval Resubmitt _____ Copies for Approval Approved as Submitted

For Your Use Resubmit _____ Copies for distribution Approved as Noted

As Requested Return _____ Corrected Prints Returned for Corrections

For Review and Comment _____ FOR BIDS DUE _____ 20__

Remarks:

Signed: _____
Tom Rengert - Project Manager

CC: _____

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 4989 Crumb Hill Road
 Georgetown, NY

AOC H

Post Excavation Sampling

Compounds	Remediation Goals	AOC-H Bottom 1	AOC-H Bottom 2	AOC-H East Wall 1	AOC-H East Wall 2	AOC-H North Wall 1	AOC-H South Wall 1	AOC-H West Wall 1	AOC-H West Wall 2			
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND	ND	ND	ND			
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND	ND	ND	ND			
pentachlorophenol	0.8 ppm	ND	ND	ND	ND	ND	ND	ND	ND			
arsenic	13 ppm	6.2	7.3	7.1	5.4	7.4	6.6	6.5	6.1			
chromium	30 ppm	14.3	14.8	11.6	12.1	15.6	14.8	7.5	13.2			
copper	50 ppm	6.8	7.6	8.3	7.1	11.9	9	5.4	6			
2,3,7,8-TCDD TEQ	1 ppb	0.014	0.002	0.003	0.01	0.005	0.094	0.0007	0.013			

ND = Non-Detect

Bold and Yellow=

Exceedance

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A08-9117Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp GeorgetownMr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.


Richard J. Lafond
Project Manager

08/07/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8911707	AOC-H BOTTOM 1	SOIL	07/28/2008	14:50	07/29/2008	09:10
A8911708	AOC-H BOTTOM 2	SOIL	07/28/2008	14:55	07/29/2008	09:10
A8911702	AOC-H EAST WALL 1	SOIL	07/28/2008	14:25	07/29/2008	09:10
A8911703	AOC-H EAST WALL 2	SOIL	07/28/2008	14:30	07/29/2008	09:10
A8911701	AOC-H NORTH WALL 1	SOIL	07/28/2008	14:20	07/29/2008	09:10
A8911704	AOC-H SOUTH WALL 1	SOIL	07/28/2008	14:35	07/29/2008	09:10
A8911705	AOC-H WEST WALL 1	SOIL	07/28/2008	14:40	07/29/2008	09:10
A8911706	AOC-H WEST WALL 2	SOIL	07/28/2008	14:45	07/29/2008	09:10

METHODS SUMMARY

Job#: A08-9117Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7471
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9117Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9117

Sample Cooler(s) were received at the following temperature(s); 5@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The analyte Iron was detected in the Method Blank (A8B1972102) at a level above the project established reporting limit. However, all samples had levels of Iron greater than ten times that of the Method Blank value, therefore, no corrective action was necessary.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: AOC-H BOTTOM 1
 Lab Sample ID: A8911707
 Date Collected: 07/28/2008
 Time Collected: 14:50

Date Received: 07/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2,4,5-Trichlorophenol	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2,4,6-Trichlorophenol	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2,4-Dichlorophenol	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2,4-Dimethylphenol	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2,4-Dinitrophenol	ND		510	UG/KG	8270	08/05/2008	14:25	MD
2,4-Dinitrotoluene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2,6-Dinitrotoluene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2-Chloronaphthalene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2-Chlorophenol	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2-Methylnaphthalene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2-Methylphenol	ND		260	UG/KG	8270	08/05/2008	14:25	MD
2-Nitroaniline	ND		510	UG/KG	8270	08/05/2008	14:25	MD
2-Nitrophenol	ND		260	UG/KG	8270	08/05/2008	14:25	MD
3,3'-Dichlorobenzidine	ND		260	UG/KG	8270	08/05/2008	14:25	MD
3-Nitroaniline	ND		510	UG/KG	8270	08/05/2008	14:25	MD
4,6-Dinitro-2-methylphenol	ND		510	UG/KG	8270	08/05/2008	14:25	MD
4-Bromophenyl phenyl ether	ND		260	UG/KG	8270	08/05/2008	14:25	MD
4-Chloro-3-methylphenol	ND		260	UG/KG	8270	08/05/2008	14:25	MD
4-Chloroaniline	ND		260	UG/KG	8270	08/05/2008	14:25	MD
4-Chlorophenyl phenyl ether	ND		260	UG/KG	8270	08/05/2008	14:25	MD
4-Methylphenol	ND		260	UG/KG	8270	08/05/2008	14:25	MD
4-Nitroaniline	ND		510	UG/KG	8270	08/05/2008	14:25	MD
4-Nitrophenol	ND		510	UG/KG	8270	08/05/2008	14:25	MD
Acenaphthene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Acenaphthylene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Acetophenone	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Anthracene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Atrazine	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Benzaldehyde	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Benzo(a)anthracene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Benzo(a)pyrene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Benzo(b)fluoranthene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Benzo(ghi)perylene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Benzo(k)fluoranthene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Benzoic acid	ND		7400	UG/KG	8270	08/05/2008	14:25	MD
Biphenyl	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Bis(2-chloroethoxy) methane	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Bis(2-chloroethyl) ether	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Bis(2-ethylhexyl) phthalate	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Butyl benzyl phthalate	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Caprolactam	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Carbazole	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Chrysene	26	BJ	260	UG/KG	8270	08/05/2008	14:25	MD
Di-n-butyl phthalate	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Di-n-octyl phthalate	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Dibenzo(a,h)anthracene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Dibenzofuran	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Diethyl phthalate	ND		260	UG/KG	8270	08/05/2008	14:25	MD

Sample ID: AOC-H BOTTOM 1
Lab Sample ID: A8911707
Date Collected: 07/28/2008
Time Collected: 14:50

Date Received: 07/29/2008
Project No: NY5A9454
Client No: 135066
Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Fluoranthene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Fluorene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Hexachlorobenzene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Hexachlorobutadiene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Hexachlorocyclopentadiene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Hexachloroethane	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Indeno(1,2,3-cd)pyrene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Isophorone	ND		260	UG/KG	8270	08/05/2008	14:25	MD
N-Nitroso-Di-n-propylamine	ND		260	UG/KG	8270	08/05/2008	14:25	MD
N-nitrosodiphenylamine	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Naphthalene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Nitrobenzene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Pentachlorophenol	ND		510	UG/KG	8270	08/05/2008	14:25	MD
Phenanthrene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Phenol	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Pyrene	ND		260	UG/KG	8270	08/05/2008	14:25	MD
Metals Analysis								
Aluminum - Total	14700		16.6	MG/KG	6010	07/31/2008	23:19	TWS
Antimony - Total	ND		24.9	MG/KG	6010	07/31/2008	23:19	TWS
Arsenic - Total	6.2		3.3	MG/KG	6010	07/31/2008	23:19	TWS
Barium - Total	38.8		0.83	MG/KG	6010	07/31/2008	23:19	TWS
Beryllium - Total	0.35		0.33	MG/KG	6010	07/31/2008	23:19	TWS
Cadmium - Total	ND		0.33	MG/KG	6010	07/31/2008	23:19	TWS
Calcium - Total	520		83.0	MG/KG	6010	07/31/2008	23:19	TWS
Chromium - Total	14.3		0.83	MG/KG	6010	07/31/2008	23:19	TWS
Cobalt - Total	6.9		0.83	MG/KG	6010	07/31/2008	23:19	TWS
Copper - Total	6.8		1.6	MG/KG	6010	07/31/2008	23:19	TWS
Iron - Total	24000		16.6	MG/KG	6010	07/31/2008	23:19	TWS
Lead - Total	14.3		1.6	MG/KG	6010	07/31/2008	23:19	TWS
Magnesium - Total	1760		33.2	MG/KG	6010	07/31/2008	23:19	TWS
Manganese - Total	402		0.33	MG/KG	6010	07/31/2008	23:19	TWS
Mercury - Total	0.094		0.031	MG/KG	7471	07/30/2008	17:00	MM
Nickel - Total	10.8		0.83	MG/KG	6010	07/31/2008	23:19	TWS
Potassium - Total	462		49.8	MG/KG	6010	07/31/2008	23:19	TWS
Selenium - Total	ND		6.6	MG/KG	6010	07/31/2008	23:19	TWS
Silver - Total	ND		0.83	MG/KG	6010	07/31/2008	23:19	TWS
Sodium - Total	ND		232	MG/KG	6010	07/31/2008	23:19	TWS
Thallium - Total	ND		10	MG/KG	6010	07/31/2008	23:19	TWS
Vanadium - Total	21.2		0.83	MG/KG	6010	07/31/2008	23:19	TWS
Zinc - Total	46.0		3.3	MG/KG	6010	07/31/2008	23:19	TWS

Sample ID: AOC-H BOTTOM 2
Lab Sample ID: A8911708
Date Collected: 07/28/2008
Time Collected: 14:55Date Received: 07/29/2008
Project No: NY5A9454
Client No: 135066
Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2,4,5-Trichlorophenol	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2,4,6-Trichlorophenol	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2,4-Dichlorophenol	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2,4-Dimethylphenol	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2,4-Dinitrophenol	ND		460	UG/KG	8270	08/05/2008	14:48	MD
2,4-Dinitrotoluene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2,6-Dinitrotoluene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2-Chloronaphthalene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2-Chlorophenol	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2-Methylnaphthalene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2-Methylphenol	ND		240	UG/KG	8270	08/05/2008	14:48	MD
2-Nitroaniline	ND		460	UG/KG	8270	08/05/2008	14:48	MD
2-Nitrophenol	ND		240	UG/KG	8270	08/05/2008	14:48	MD
3,3'-Dichlorobenzidine	ND		240	UG/KG	8270	08/05/2008	14:48	MD
3-Nitroaniline	ND		460	UG/KG	8270	08/05/2008	14:48	MD
4,6-Dinitro-2-methylphenol	ND		460	UG/KG	8270	08/05/2008	14:48	MD
4-Bromophenyl phenyl ether	ND		240	UG/KG	8270	08/05/2008	14:48	MD
4-Chloro-3-methylphenol	ND		240	UG/KG	8270	08/05/2008	14:48	MD
4-Chloroaniline	ND		240	UG/KG	8270	08/05/2008	14:48	MD
4-Chlorophenyl phenyl ether	ND		240	UG/KG	8270	08/05/2008	14:48	MD
4-Methylphenol	ND		240	UG/KG	8270	08/05/2008	14:48	MD
4-Nitroaniline	ND		460	UG/KG	8270	08/05/2008	14:48	MD
4-Nitrophenol	ND		460	UG/KG	8270	08/05/2008	14:48	MD
Acenaphthene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Acenaphthylene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Acetophenone	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Anthracene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Atrazine	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Benzaldehyde	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Benzo(a)anthracene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Benzo(a)pyrene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Benzo(b)fluoranthene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Benzo(ghi)perylene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Benzo(k)fluoranthene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Benzoic acid	ND		6600	UG/KG	8270	08/05/2008	14:48	MD
Biphenyl	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Bis(2-chloroethoxy) methane	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Bis(2-chloroethyl) ether	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Bis(2-ethylhexyl) phthalate	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Butyl benzyl phthalate	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Caprolactam	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Carbazole	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Chrysene	23	BJ	240	UG/KG	8270	08/05/2008	14:48	MD
Di-n-butyl phthalate	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Di-n-octyl phthalate	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Dibenzo(a,h)anthracene	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Dibenzofuran	ND		240	UG/KG	8270	08/05/2008	14:48	MD
Diethyl phthalate	ND		240	UG/KG	8270	08/05/2008	14:48	MD

Sample ID: AOC-H BOTTOM 2
Lab Sample ID: A8911708
Date Collected: 07/28/2008
Time Collected: 14:55

Date Received: 07/29/2008
Project No: NY5A9454
Client No: 135066
Site No:

Parameter	Result	Flag	Detection		Date/Time		Analyst
			Limit	Units	Method	Analyzed	
SOIL - SW8463 - SEMIVOLATILES - 8270C							
Dimethyl phthalate	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Fluoranthene	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Fluorene	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Hexachlorobenzene	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Hexachlorobutadiene	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Hexachlorocyclopentadiene	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Hexachloroethane	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Indeno(1,2,3-cd)pyrene	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Isophorone	ND		240	UG/KG	8270	08/05/2008 14:48	MD
N-Nitroso-Di-n-propylamine	ND		240	UG/KG	8270	08/05/2008 14:48	MD
N-nitrosodiphenylamine	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Naphthalene	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Nitrobenzene	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Pentachlorophenol	ND		460	UG/KG	8270	08/05/2008 14:48	MD
Phenanthrene	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Phenol	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Pyrene	ND		240	UG/KG	8270	08/05/2008 14:48	MD
Metals Analysis							
Aluminum - Total	12500		14.3	MG/KG	6010	07/31/2008 23:25	TWS
Antimony - Total	ND		21.5	MG/KG	6010	07/31/2008 23:25	TWS
Arsenic - Total	7.3		2.9	MG/KG	6010	07/31/2008 23:25	TWS
Barium - Total	38.6		0.72	MG/KG	6010	07/31/2008 23:25	TWS
Beryllium - Total	0.34		0.29	MG/KG	6010	07/31/2008 23:25	TWS
Cadmium - Total	ND		0.29	MG/KG	6010	07/31/2008 23:25	TWS
Calcium - Total	835		71.6	MG/KG	6010	07/31/2008 23:25	TWS
Chromium - Total	14.8		0.72	MG/KG	6010	07/31/2008 23:25	TWS
Cobalt - Total	10		0.72	MG/KG	6010	07/31/2008 23:25	TWS
Copper - Total	7.6		1.4	MG/KG	6010	07/31/2008 23:25	TWS
Iron - Total	23500		14.3	MG/KG	6010	07/31/2008 23:25	TWS
Lead - Total	13.1		1.4	MG/KG	6010	07/31/2008 23:25	TWS
Magnesium - Total	2430		28.6	MG/KG	6010	07/31/2008 23:25	TWS
Manganese - Total	444		0.29	MG/KG	6010	07/31/2008 23:25	TWS
Mercury - Total	0.065		0.029	MG/KG	7471	07/30/2008 17:02	MM
Nickel - Total	15.0		0.72	MG/KG	6010	07/31/2008 23:25	TWS
Potassium - Total	566		43.0	MG/KG	6010	07/31/2008 23:25	TWS
Selenium - Total	ND		5.7	MG/KG	6010	07/31/2008 23:25	TWS
Silver - Total	ND		0.72	MG/KG	6010	07/31/2008 23:25	TWS
Sodium - Total	ND		201	MG/KG	6010	07/31/2008 23:25	TWS
Thallium - Total	ND		8.6	MG/KG	6010	07/31/2008 23:25	TWS
Vanadium - Total	20.0		0.72	MG/KG	6010	07/31/2008 23:25	TWS
Zinc - Total	46.7		2.9	MG/KG	6010	07/31/2008 23:25	TWS

Sample ID: AOC-H EAST WALL 1
 Lab Sample ID: A8911702
 Date Collected: 07/28/2008
 Time Collected: 14:25

Date Received: 07/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2,4,5-Trichlorophenol	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2,4,6-Trichlorophenol	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2,4-Dichlorophenol	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2,4-Dimethylphenol	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2,4-Dinitrophenol	ND		570	UG/KG	8270	08/05/2008	02:37	MD
2,4-Dinitrotoluene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2,6-Dinitrotoluene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2-Chloronaphthalene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2-Chlorophenol	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2-Methylnaphthalene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2-Methylphenol	ND		300	UG/KG	8270	08/05/2008	02:37	MD
2-Nitroaniline	ND		570	UG/KG	8270	08/05/2008	02:37	MD
2-Nitrophenol	ND		300	UG/KG	8270	08/05/2008	02:37	MD
3,3'-Dichlorobenzidine	ND		300	UG/KG	8270	08/05/2008	02:37	MD
3-Nitroaniline	ND		570	UG/KG	8270	08/05/2008	02:37	MD
4,6-Dinitro-2-methylphenol	ND		570	UG/KG	8270	08/05/2008	02:37	MD
4-Bromophenyl phenyl ether	ND		300	UG/KG	8270	08/05/2008	02:37	MD
4-Chloro-3-methylphenol	ND		300	UG/KG	8270	08/05/2008	02:37	MD
4-Chloroaniline	ND		300	UG/KG	8270	08/05/2008	02:37	MD
4-Chlorophenyl phenyl ether	ND		300	UG/KG	8270	08/05/2008	02:37	MD
4-Methylphenol	ND		300	UG/KG	8270	08/05/2008	02:37	MD
4-Nitroaniline	ND		570	UG/KG	8270	08/05/2008	02:37	MD
4-Nitrophenol	ND		570	UG/KG	8270	08/05/2008	02:37	MD
Acenaphthene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Acenaphthylene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Acetophenone	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Anthracene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Atrazine	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Benzaldehyde	100	J	300	UG/KG	8270	08/05/2008	02:37	MD
Benzo(a)anthracene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Benzo(a)pyrene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Benzo(b)fluoranthene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Benzo(ghi)perylene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Benzo(k)fluoranthene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Benzoic acid	3500	J	8400	UG/KG	8270	08/05/2008	02:37	MD
Biphenyl	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Bis(2-chloroethoxy) methane	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Bis(2-chloroethyl) ether	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Bis(2-ethylhexyl) phthalate	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Butyl benzyl phthalate	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Caprolactam	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Carbazole	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Chrysene	36	BJ	300	UG/KG	8270	08/05/2008	02:37	MD
Di-n-butyl phthalate	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Di-n-octyl phthalate	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Dibenzo(a,h)anthracene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Dibenzofuran	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Diethyl phthalate	ND		300	UG/KG	8270	08/05/2008	02:37	MD

Sample ID: AOC-H EAST WALL 1
 Lab Sample ID: A8911702
 Date Collected: 07/28/2008
 Time Collected: 14:25

Date Received: 07/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Fluoranthene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Fluorene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Hexachlorobenzene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Hexachlorobutadiene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Hexachlorocyclopentadiene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Hexachloroethane	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Indeno(1,2,3-cd)pyrene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Isophorone	ND		300	UG/KG	8270	08/05/2008	02:37	MD
N-Nitroso-Di-n-propylamine	ND		300	UG/KG	8270	08/05/2008	02:37	MD
N-nitrosodiphenylamine	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Naphthalene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Nitrobenzene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Pentachlorophenol	ND		570	UG/KG	8270	08/05/2008	02:37	MD
Phenanthrene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Phenol	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Pyrene	ND		300	UG/KG	8270	08/05/2008	02:37	MD
Metals Analysis								
Aluminum - Total	11600		19.6	MG/KG	6010	07/31/2008	22:38	TWS
Antimony - Total	ND		29.5	MG/KG	6010	07/31/2008	22:38	TWS
Arsenic - Total	7.1		3.9	MG/KG	6010	07/31/2008	22:38	TWS
Barium - Total	40.7		0.98	MG/KG	6010	07/31/2008	22:38	TWS
Beryllium - Total	ND		0.39	MG/KG	6010	07/31/2008	22:38	TWS
Cadmium - Total	ND		0.39	MG/KG	6010	07/31/2008	22:38	TWS
Calcium - Total	234		98.2	MG/KG	6010	07/31/2008	22:38	TWS
Chromium - Total	11.6		0.98	MG/KG	6010	07/31/2008	22:38	TWS
Cobalt - Total	4.4		0.98	MG/KG	6010	07/31/2008	22:38	TWS
Copper - Total	8.3		2.0	MG/KG	6010	07/31/2008	22:38	TWS
Iron - Total	22700		19.6	MG/KG	6010	07/31/2008	22:38	TWS
Lead - Total	22.4		2.0	MG/KG	6010	07/31/2008	22:38	TWS
Magnesium - Total	1310		39.3	MG/KG	6010	07/31/2008	22:38	TWS
Manganese - Total	339		0.39	MG/KG	6010	07/31/2008	22:38	TWS
Mercury - Total	0.11		0.037	MG/KG	7471	07/30/2008	16:53	MM
Nickel - Total	8.5		0.98	MG/KG	6010	07/31/2008	22:38	TWS
Potassium - Total	511		58.9	MG/KG	6010	07/31/2008	22:38	TWS
Selenium - Total	ND		7.8	MG/KG	6010	07/31/2008	22:38	TWS
Silver - Total	ND		0.98	MG/KG	6010	07/31/2008	22:38	TWS
Sodium - Total	ND		275	MG/KG	6010	07/31/2008	22:38	TWS
Thallium - Total	ND		11.8	MG/KG	6010	07/31/2008	22:38	TWS
Vanadium - Total	22.6		0.98	MG/KG	6010	07/31/2008	22:38	TWS
Zinc - Total	38.5		3.9	MG/KG	6010	07/31/2008	22:38	TWS

Sample ID: AOC-H EAST WALL 2
 Lab Sample ID: A8911703
 Date Collected: 07/28/2008
 Time Collected: 14:30

Date Received: 07/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2,4,5-Trichlorophenol	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2,4,6-Trichlorophenol	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2,4-Dichlorophenol	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2,4-Dimethylphenol	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2,4-Dinitrophenol	ND		480	UG/KG	8270	08/05/2008	12:53	MD
2,4-Dinitrotoluene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2,6-Dinitrotoluene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2-Chloronaphthalene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2-Chlorophenol	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2-Methylnaphthalene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2-Methylphenol	ND		250	UG/KG	8270	08/05/2008	12:53	MD
2-Nitroaniline	ND		480	UG/KG	8270	08/05/2008	12:53	MD
2-Nitrophenol	ND		250	UG/KG	8270	08/05/2008	12:53	MD
3,3'-Dichlorobenzidine	ND		250	UG/KG	8270	08/05/2008	12:53	MD
3-Nitroaniline	ND		480	UG/KG	8270	08/05/2008	12:53	MD
4,6-Dinitro-2-methylphenol	ND		480	UG/KG	8270	08/05/2008	12:53	MD
4-Bromophenyl phenyl ether	ND		250	UG/KG	8270	08/05/2008	12:53	MD
4-Chloro-3-methylphenol	ND		250	UG/KG	8270	08/05/2008	12:53	MD
4-Chloroaniline	ND		250	UG/KG	8270	08/05/2008	12:53	MD
4-Chlorophenyl phenyl ether	ND		250	UG/KG	8270	08/05/2008	12:53	MD
4-Methylphenol	ND		250	UG/KG	8270	08/05/2008	12:53	MD
4-Nitroaniline	ND		480	UG/KG	8270	08/05/2008	12:53	MD
4-Nitrophenol	ND		480	UG/KG	8270	08/05/2008	12:53	MD
Acenaphthene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Acenaphthylene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Acetophenone	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Anthracene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Atrazine	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Benzaldehyde	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Benzo(a)anthracene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Benzo(a)pyrene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Benzo(b)fluoranthene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Benzo(ghi)perylene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Benzo(k)fluoranthene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Benzoic acid	ND		7000	UG/KG	8270	08/05/2008	12:53	MD
Biphenyl	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Bis(2-chloroethoxy) methane	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Bis(2-chloroethyl) ether	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Bis(2-ethylhexyl) phthalate	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Butyl benzyl phthalate	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Caprolactam	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Carbazole	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Chrysene	34	BJ	250	UG/KG	8270	08/05/2008	12:53	MD
Di-n-butyl phthalate	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Di-n-octyl phthalate	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Dibenzo(a,h)anthracene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Dibenzofuran	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Diethyl phthalate	ND		250	UG/KG	8270	08/05/2008	12:53	MD

Sample ID: AOC-H EAST WALL 2
 Lab Sample ID: A8911703
 Date Collected: 07/28/2008
 Time Collected: 14:30

Date Received: 07/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Fluoranthene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Fluorene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Hexachlorobenzene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Hexachlorobutadiene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Hexachlorocyclopentadiene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Hexachloroethane	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Indeno(1,2,3-cd)pyrene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Isophorone	ND		250	UG/KG	8270	08/05/2008	12:53	MD
N-Nitroso-Di-n-propylamine	ND		250	UG/KG	8270	08/05/2008	12:53	MD
N-nitrosodiphenylamine	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Naphthalene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Nitrobenzene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Pentachlorophenol	ND		480	UG/KG	8270	08/05/2008	12:53	MD
Phenanthrene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Phenol	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Pyrene	ND		250	UG/KG	8270	08/05/2008	12:53	MD
Metals Analysis								
Aluminum - Total	11600		13.3	MG/KG	6010	07/31/2008	22:58	TWS
Antimony - Total	ND		20.0	MG/KG	6010	07/31/2008	22:58	TWS
Arsenic - Total	5.4		2.7	MG/KG	6010	07/31/2008	22:58	TWS
Barium - Total	43.9		0.67	MG/KG	6010	07/31/2008	22:58	TWS
Beryllium - Total	ND		0.27	MG/KG	6010	07/31/2008	22:58	TWS
Cadmium - Total	0.29		0.27	MG/KG	6010	07/31/2008	22:58	TWS
Calcium - Total	1260		66.7	MG/KG	6010	07/31/2008	22:58	TWS
Chromium - Total	12.1		0.67	MG/KG	6010	07/31/2008	22:58	TWS
Cobalt - Total	5.0		0.67	MG/KG	6010	07/31/2008	22:58	TWS
Copper - Total	7.1		1.3	MG/KG	6010	07/31/2008	22:58	TWS
Iron - Total	20900		13.3	MG/KG	6010	07/31/2008	22:58	TWS
Lead - Total	14.3		1.3	MG/KG	6010	07/31/2008	22:58	TWS
Magnesium - Total	1770		26.7	MG/KG	6010	07/31/2008	22:58	TWS
Manganese - Total	323		0.27	MG/KG	6010	07/31/2008	22:58	TWS
Mercury - Total	0.081		0.029	MG/KG	7471	07/30/2008	16:54	MM
Nickel - Total	10.8		0.67	MG/KG	6010	07/31/2008	22:58	TWS
Potassium - Total	470		40.0	MG/KG	6010	07/31/2008	22:58	TWS
Selenium - Total	ND		5.3	MG/KG	6010	07/31/2008	22:58	TWS
Silver - Total	ND		0.67	MG/KG	6010	07/31/2008	22:58	TWS
Sodium - Total	ND		187	MG/KG	6010	07/31/2008	22:58	TWS
Thallium - Total	ND		8.0	MG/KG	6010	07/31/2008	22:58	TWS
Vanadium - Total	18.9		0.67	MG/KG	6010	07/31/2008	22:58	TWS
Zinc - Total	46.7		2.7	MG/KG	6010	07/31/2008	22:58	TWS

Sample ID: AOC-H NORTH WALL 1
 Lab Sample ID: A8911701
 Date Collected: 07/28/2008
 Time Collected: 14:20

Date Received: 07/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection			Date/Time	
			Limit	Units	Method	Analyzed	Analyst
SOIL - SW8463 - SEMIVOLATILES - 8270C							
2,2'-Oxybis(1-Chloropropane)	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2,4,5-Trichlorophenol	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2,4,6-Trichlorophenol	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2,4-Dichlorophenol	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2,4-Dimethylphenol	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2,4-Dinitrophenol	ND		390	UG/KG	8270	08/05/2008 02:14	MD
2,4-Dinitrotoluene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2,6-Dinitrotoluene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2-Chloronaphthalene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2-Chlorophenol	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2-Methylnaphthalene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2-Methylphenol	ND		200	UG/KG	8270	08/05/2008 02:14	MD
2-Nitroaniline	ND		390	UG/KG	8270	08/05/2008 02:14	MD
2-Nitrophenol	ND		200	UG/KG	8270	08/05/2008 02:14	MD
3,3'-Dichlorobenzidine	ND		200	UG/KG	8270	08/05/2008 02:14	MD
3-Nitroaniline	ND		390	UG/KG	8270	08/05/2008 02:14	MD
4,6-Dinitro-2-methylphenol	ND		390	UG/KG	8270	08/05/2008 02:14	MD
4-Bromophenyl phenyl ether	ND		200	UG/KG	8270	08/05/2008 02:14	MD
4-Chloro-3-methylphenol	ND		200	UG/KG	8270	08/05/2008 02:14	MD
4-Chloroaniline	ND		200	UG/KG	8270	08/05/2008 02:14	MD
4-Chlorophenyl phenyl ether	ND		200	UG/KG	8270	08/05/2008 02:14	MD
4-Methylphenol	ND		200	UG/KG	8270	08/05/2008 02:14	MD
4-Nitroaniline	ND		390	UG/KG	8270	08/05/2008 02:14	MD
4-Nitrophenol	ND		390	UG/KG	8270	08/05/2008 02:14	MD
Acenaphthene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Acenaphthylene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Acetophenone	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Anthracene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Atrazine	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Benzaldehyde	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Benzo(a)anthracene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Benzo(a)pyrene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Benzo(b)fluoranthene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Benzo(ghi)perylene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Benzo(k)fluoranthene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Benzoic acid	ND		5600	UG/KG	8270	08/05/2008 02:14	MD
Biphenyl	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Bis(2-chloroethoxy) methane	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Bis(2-chloroethyl) ether	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Butyl benzyl phthalate	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Caprolactam	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Carbazole	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Chrysene	Z1	BJ	200	UG/KG	8270	08/05/2008 02:14	MD
Di-n-butyl phthalate	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Di-n-octyl phthalate	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Dibenzo(a,h)anthracene	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Dibenzofuran	ND		200	UG/KG	8270	08/05/2008 02:14	MD
Diethyl phthalate	ND		200	UG/KG	8270	08/05/2008 02:14	MD

Sample ID: AOC-H NORTH WALL 1
 Lab Sample ID: A8911701
 Date Collected: 07/28/2008
 Time Collected: 14:20

Date Received: 07/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Fluoranthene	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Fluorene	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Hexachlorobenzene	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Hexachlorobutadiene	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Hexachlorocyclopentadiene	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Hexachloroethane	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Indeno(1,2,3-cd)pyrene	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Isophorone	ND		200	UG/KG	8270	08/05/2008	02:14	MD
N-Nitroso-Di-n-propylamine	ND		200	UG/KG	8270	08/05/2008	02:14	MD
N-nitrosodiphenylamine	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Naphthalene	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Nitrobenzene	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Pentachlorophenol	ND		390	UG/KG	8270	08/05/2008	02:14	MD
Phenanthrene	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Phenol	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Pyrene	ND		200	UG/KG	8270	08/05/2008	02:14	MD
Metals Analysis								
Aluminum - Total	12500		13.2	MG/KG	6010	07/31/2008	22:33	TWS
Antimony - Total	ND		19.9	MG/KG	6010	07/31/2008	22:33	TWS
Arsenic - Total	7.4		2.6	MG/KG	6010	07/31/2008	22:33	TWS
Barium - Total	63.2		0.66	MG/KG	6010	07/31/2008	22:33	TWS
Beryllium - Total	0.48		0.26	MG/KG	6010	07/31/2008	22:33	TWS
Cadmium - Total	ND		0.26	MG/KG	6010	07/31/2008	22:33	TWS
Calcium - Total	930		66.2	MG/KG	6010	07/31/2008	22:33	TWS
Chromium - Total	15.6		0.66	MG/KG	6010	07/31/2008	22:33	TWS
Cobalt - Total	9.7		0.66	MG/KG	6010	07/31/2008	22:33	TWS
Copper - Total	11.9		1.3	MG/KG	6010	07/31/2008	22:33	TWS
Iron - Total	24100		13.2	MG/KG	6010	07/31/2008	22:33	TWS
Lead - Total	10.6		1.3	MG/KG	6010	07/31/2008	22:33	TWS
Magnesium - Total	3380		26.5	MG/KG	6010	07/31/2008	22:33	TWS
Manganese - Total	348		0.26	MG/KG	6010	07/31/2008	22:33	TWS
Mercury - Total	ND		0.025	MG/KG	7471	07/30/2008	16:51	MM
Nickel - Total	22.9		0.66	MG/KG	6010	07/31/2008	22:33	TWS
Potassium - Total	764		39.7	MG/KG	6010	07/31/2008	22:33	TWS
Selenium - Total	ND		5.3	MG/KG	6010	07/31/2008	22:33	TWS
Silver - Total	ND		0.66	MG/KG	6010	07/31/2008	22:33	TWS
Sodium - Total	ND		185	MG/KG	6010	07/31/2008	22:33	TWS
Thallium - Total	ND		7.9	MG/KG	6010	07/31/2008	22:33	TWS
Vanadium - Total	16.4		0.66	MG/KG	6010	07/31/2008	22:33	TWS
Zinc - Total	52.0		2.6	MG/KG	6010	07/31/2008	22:33	TWS

Sample ID: AOC-H SOUTH WALL 1
 Lab Sample ID: A8911704
 Date Collected: 07/28/2008
 Time Collected: 14:35

Date Received: 07/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2,4,5-Trichlorophenol	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2,4,6-Trichlorophenol	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2,4-Dichlorophenol	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2,4-Dimethylphenol	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2,4-Dinitrophenol	ND		490	UG/KG	8270	08/05/2008	13:16	MD
2,4-Dinitrotoluene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2,6-Dinitrotoluene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2-Chloronaphthalene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2-Chlorophenol	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2-Methylnaphthalene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2-Methylphenol	ND		250	UG/KG	8270	08/05/2008	13:16	MD
2-Nitroaniline	ND		490	UG/KG	8270	08/05/2008	13:16	MD
2-Nitrophenol	ND		250	UG/KG	8270	08/05/2008	13:16	MD
3,3'-Dichlorobenzidine	ND		250	UG/KG	8270	08/05/2008	13:16	MD
3-Nitroaniline	ND		490	UG/KG	8270	08/05/2008	13:16	MD
4,6-Dinitro-2-methylphenol	ND		490	UG/KG	8270	08/05/2008	13:16	MD
4-Bromophenyl phenyl ether	ND		250	UG/KG	8270	08/05/2008	13:16	MD
4-Chloro-3-methylphenol	ND		250	UG/KG	8270	08/05/2008	13:16	MD
4-Chloroaniline	ND		250	UG/KG	8270	08/05/2008	13:16	MD
4-Chlorophenyl phenyl ether	ND		250	UG/KG	8270	08/05/2008	13:16	MD
4-Methylphenol	ND		250	UG/KG	8270	08/05/2008	13:16	MD
4-Nitroaniline	ND		490	UG/KG	8270	08/05/2008	13:16	MD
4-Nitrophenol	ND		490	UG/KG	8270	08/05/2008	13:16	MD
Acenaphthene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Acenaphthylene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Acetophenone	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Anthracene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Atrazine	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Benzaldehyde	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Benzo(a)anthracene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Benzo(a)pyrene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Benzo(b)fluoranthene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Benzo(ghi)perylene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Benzo(k)fluoranthene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Benzoic acid	ND		7100	UG/KG	8270	08/05/2008	13:16	MD
Biphenyl	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Bis(2-chloroethoxy) methane	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Bis(2-chloroethyl) ether	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Bis(2-ethylhexyl) phthalate	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Butyl benzyl phthalate	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Caprolactam	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Carbazole	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Chrysene	27	BJ	250	UG/KG	8270	08/05/2008	13:16	MD
Di-n-butyl phthalate	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Di-n-octyl phthalate	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Dibenzo(a,h)anthracene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Dibenzofuran	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Diethyl phthalate	ND		250	UG/KG	8270	08/05/2008	13:16	MD

Sample ID: AOC-H SOUTH WALL 1

Lab Sample ID: A8911704

Date Collected: 07/28/2008

Time Collected: 14:35

Date Received: 07/29/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analized		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Dimethyl phthalate	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Fluoranthene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Fluorene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Hexachlorobenzene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Hexachlorobutadiene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Hexachlorocyclopentadiene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Hexachloroethane	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Indeno(1,2,3-cd)pyrene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Isophorone	ND		250	UG/KG	8270	08/05/2008	13:16	MD
N-Nitroso-Di-n-propylamine	ND		250	UG/KG	8270	08/05/2008	13:16	MD
N-nitrosodiphenylamine	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Naphthalene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Nitrobenzene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Pentachlorophenol	ND		490	UG/KG	8270	08/05/2008	13:16	MD
Phenanthrene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Phenol	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Pyrene	ND		250	UG/KG	8270	08/05/2008	13:16	MD
Metals Analysis								
Aluminum - Total	13100		16.4	MG/KG	6010	07/31/2008	23:03	TWS
Antimony - Total	ND		24.6	MG/KG	6010	07/31/2008	23:03	TWS
Arsenic - Total	6.6		3.3	MG/KG	6010	07/31/2008	23:03	TWS
Barium - Total	39.2		0.82	MG/KG	6010	07/31/2008	23:03	TWS
Beryllium - Total	ND		0.33	MG/KG	6010	07/31/2008	23:03	TWS
Cadmium - Total	0.33		0.33	MG/KG	6010	07/31/2008	23:03	TWS
Calcium - Total	1670		81.9	MG/KG	6010	07/31/2008	23:03	TWS
Chromium - Total	14.8		0.82	MG/KG	6010	07/31/2008	23:03	TWS
Cobalt - Total	6.2		0.82	MG/KG	6010	07/31/2008	23:03	TWS
Copper - Total	9.0		1.6	MG/KG	6010	07/31/2008	23:03	TWS
Iron - Total	24800		16.4	MG/KG	6010	07/31/2008	23:03	TWS
Lead - Total	13.1		1.6	MG/KG	6010	07/31/2008	23:03	TWS
Magnesium - Total	2360		32.8	MG/KG	6010	07/31/2008	23:03	TWS
Manganese - Total	345		0.33	MG/KG	6010	07/31/2008	23:03	TWS
Mercury - Total	0.077		0.031	MG/KG	7471	07/30/2008	16:56	MM
Nickel - Total	14.1		0.82	MG/KG	6010	07/31/2008	23:03	TWS
Potassium - Total	564		49.2	MG/KG	6010	07/31/2008	23:03	TWS
Selenium - Total	ND		6.6	MG/KG	6010	07/31/2008	23:03	TWS
Silver - Total	ND		0.82	MG/KG	6010	07/31/2008	23:03	TWS
Sodium - Total	ND		229	MG/KG	6010	07/31/2008	23:03	TWS
Thallium - Total	ND		9.8	MG/KG	6010	07/31/2008	23:03	TWS
Vanadium - Total	20.9		0.82	MG/KG	6010	07/31/2008	23:03	TWS
Zinc - Total	54.0		3.3	MG/KG	6010	07/31/2008	23:03	TWS

Sample ID: AOC-H WEST WALL 1
Lab Sample ID: A8911705
Date Collected: 07/28/2008
Time Collected: 14:40

Date Received: 07/29/2008
Project No: NY5A9454
Client No: 135066
Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2,4,5-Trichlorophenol	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2,4,6-Trichlorophenol	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2,4-Dichlorophenol	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2,4-Dimethylphenol	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2,4-Dinitrophenol	ND		510	UG/KG	8270	08/05/2008	13:39	MD
2,4-Dinitrotoluene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2,6-Dinitrotoluene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2-Chloronaphthalene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2-Chlorophenol	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2-Methylnaphthalene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2-Methylphenol	ND		260	UG/KG	8270	08/05/2008	13:39	MD
2-Nitroaniline	ND		510	UG/KG	8270	08/05/2008	13:39	MD
2-Nitrophenol	ND		260	UG/KG	8270	08/05/2008	13:39	MD
3,3'-Dichlorobenzidine	ND		260	UG/KG	8270	08/05/2008	13:39	MD
3-Nitroaniline	ND		510	UG/KG	8270	08/05/2008	13:39	MD
4,6-Dinitro-2-methylphenol	ND		510	UG/KG	8270	08/05/2008	13:39	MD
4-Bromophenyl phenyl ether	ND		260	UG/KG	8270	08/05/2008	13:39	MD
4-Chloro-3-methylphenol	ND		260	UG/KG	8270	08/05/2008	13:39	MD
4-Chloroaniline	ND		260	UG/KG	8270	08/05/2008	13:39	MD
4-Chlorophenyl phenyl ether	ND		260	UG/KG	8270	08/05/2008	13:39	MD
4-Methylphenol	ND		260	UG/KG	8270	08/05/2008	13:39	MD
4-Nitroaniline	ND		510	UG/KG	8270	08/05/2008	13:39	MD
4-Nitrophenol	ND		510	UG/KG	8270	08/05/2008	13:39	MD
Acenaphthene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Acenaphthylene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Acetophenone	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Anthracene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Atrazine	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Benzaldehyde	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Benzo(a)anthracene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Benzo(a)pyrene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Benzo(b)fluoranthene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Benzo(ghi)perylene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Benzo(k)fluoranthene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Benzoic acid	ND		7500	UG/KG	8270	08/05/2008	13:39	MD
Biphenyl	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Bis(2-chloroethoxy) methane	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Bis(2-chloroethyl) ether	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Bis(2-ethylhexyl) phthalate	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Butyl benzyl phthalate	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Caprolactam	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Carbazole	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Chrysene	29	BJ	260	UG/KG	8270	08/05/2008	13:39	MD
Di-n-butyl phthalate	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Di-n-octyl phthalate	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Dibenzo(a,h)anthracene	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Dibenzofuran	ND		260	UG/KG	8270	08/05/2008	13:39	MD
Diethyl phthalate	ND		260	UG/KG	8270	08/05/2008	13:39	MD

Sample ID: AOC-H WEST WALL 1

Lab Sample ID: A8911705

Date Collected: 07/28/2008

Time Collected: 14:40

Date Received: 07/29/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Date/Time		Analyst
			Limit	Units	Method	Analyzed	
SOIL - SW8463 - SEMIVOLATILES - 8270C							
Dimethyl phthalate	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Fluoranthene	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Fluorene	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Hexachlorobenzene	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Hexachlorobutadiene	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Hexachlorocyclopentadiene	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Hexachloroethane	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Indeno(1,2,3-cd)pyrene	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Isophorone	ND		260	UG/KG	8270	08/05/2008 13:39	MD
N-Nitroso-Di-n-propylamine	ND		260	UG/KG	8270	08/05/2008 13:39	MD
N-nitrosodiphenylamine	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Naphthalene	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Nitrobenzene	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Pentachlorophenol	ND		510	UG/KG	8270	08/05/2008 13:39	MD
Phenanthrene	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Phenol	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Pyrene	ND		260	UG/KG	8270	08/05/2008 13:39	MD
Metals Analysis							
Aluminum - Total	9220		15.9	MG/KG	6010	07/31/2008 23:09	TWS
Antimony - Total	ND		23.9	MG/KG	6010	07/31/2008 23:09	TWS
Arsenic - Total	6.5		3.2	MG/KG	6010	07/31/2008 23:09	TWS
Barium - Total	46.5		0.80	MG/KG	6010	07/31/2008 23:09	TWS
Beryllium - Total	ND		0.32	MG/KG	6010	07/31/2008 23:09	TWS
Cadmium - Total	ND		0.32	MG/KG	6010	07/31/2008 23:09	TWS
Calcium - Total	1410		79.7	MG/KG	6010	07/31/2008 23:09	TWS
Chromium - Total	7.5		0.80	MG/KG	6010	07/31/2008 23:09	TWS
Cobalt - Total	5.2		0.80	MG/KG	6010	07/31/2008 23:09	TWS
Copper - Total	5.4		1.6	MG/KG	6010	07/31/2008 23:09	TWS
Iron - Total	17300		15.9	MG/KG	6010	07/31/2008 23:09	TWS
Lead - Total	14.4		1.6	MG/KG	6010	07/31/2008 23:09	TWS
Magnesium - Total	819		31.9	MG/KG	6010	07/31/2008 23:09	TWS
Manganese - Total	360		0.32	MG/KG	6010	07/31/2008 23:09	TWS
Mercury - Total	0.085		0.030	MG/KG	7471	07/30/2008 16:57	MM
Nickel - Total	6.0		0.80	MG/KG	6010	07/31/2008 23:09	TWS
Potassium - Total	491		47.8	MG/KG	6010	07/31/2008 23:09	TWS
Selenium - Total	ND		6.4	MG/KG	6010	07/31/2008 23:09	TWS
Silver - Total	ND		0.80	MG/KG	6010	07/31/2008 23:09	TWS
Sodium - Total	ND		223	MG/KG	6010	07/31/2008 23:09	TWS
Thallium - Total	ND		9.6	MG/KG	6010	07/31/2008 23:09	TWS
Vanadium - Total	22.4		0.80	MG/KG	6010	07/31/2008 23:09	TWS
Zinc - Total	24.4		3.2	MG/KG	6010	07/31/2008 23:09	TWS

Sample ID: AOC-H WEST WALL 2
 Lab Sample ID: A8911706
 Date Collected: 07/28/2008
 Time Collected: 14:45

Date Received: 07/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2,4,5-Trichlorophenol	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2,4,6-Trichlorophenol	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2,4-Dichlorophenol	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2,4-Dimethylphenol	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2,4-Dinitrophenol	ND		450	UG/KG	8270	08/05/2008	14:02	MD
2,4-Dinitrotoluene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2,6-Dinitrotoluene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2-Chloronaphthalene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2-Chlorophenol	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2-Methylnaphthalene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2-Methylphenol	ND		230	UG/KG	8270	08/05/2008	14:02	MD
2-Nitroaniline	ND		450	UG/KG	8270	08/05/2008	14:02	MD
2-Nitrophenol	ND		230	UG/KG	8270	08/05/2008	14:02	MD
3,3'-Dichlorobenzidine	ND		230	UG/KG	8270	08/05/2008	14:02	MD
3-Nitroaniline	ND		450	UG/KG	8270	08/05/2008	14:02	MD
4,6-Dinitro-2-methylphenol	ND		450	UG/KG	8270	08/05/2008	14:02	MD
4-Bromophenyl phenyl ether	ND		230	UG/KG	8270	08/05/2008	14:02	MD
4-Chloro-3-methylphenol	ND		230	UG/KG	8270	08/05/2008	14:02	MD
4-Chloroaniline	ND		230	UG/KG	8270	08/05/2008	14:02	MD
4-Chlorophenyl phenyl ether	ND		230	UG/KG	8270	08/05/2008	14:02	MD
4-Methylphenol	ND		230	UG/KG	8270	08/05/2008	14:02	MD
4-Nitroaniline	ND		450	UG/KG	8270	08/05/2008	14:02	MD
4-Nitrophenol	ND		450	UG/KG	8270	08/05/2008	14:02	MD
Acenaphthene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Acenaphthylene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Acetophenone	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Anthracene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Atrazine	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Benzaldehyde	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Benzo(a)anthracene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Benzo(a)pyrene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Benzo(b)fluoranthene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Benzo(ghi)perylene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Benzo(k)fluoranthene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Benzoic acid	ND		6500	UG/KG	8270	08/05/2008	14:02	MD
Biphenyl	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Bis(2-chloroethoxy) methane	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Bis(2-chloroethyl) ether	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Bis(2-ethylhexyl) phthalate	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Butyl benzyl phthalate	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Caprolactam	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Carbazole	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Chrysene	24	BJ	230	UG/KG	8270	08/05/2008	14:02	MD
Di-n-butyl phthalate	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Di-n-octyl phthalate	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Dibenzo(a,h)anthracene	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Dibenzofuran	ND		230	UG/KG	8270	08/05/2008	14:02	MD
Diethyl phthalate	ND		230	UG/KG	8270	08/05/2008	14:02	MD

Sample ID: AOC-H WEST WALL 2
 Lab Sample ID: A8911706
 Date Collected: 07/28/2008
 Time Collected: 14:45

Date Received: 07/29/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Date/Time		Analyst
			Limit	Units	Method	Analyzed	
SOIL - SW8463 - SEMIVOLATILES - 8270C							
Dimethyl phthalate	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Fluoranthene	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Fluorene	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Hexachlorobenzene	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Hexachlorobutadiene	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Hexachlorocyclopentadiene	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Hexachloroethane	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Indeno(1,2,3-cd)pyrene	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Isophorone	ND		230	UG/KG	8270	08/05/2008 14:02	MD
N-Nitroso-Di-n-propylamine	ND		230	UG/KG	8270	08/05/2008 14:02	MD
N-nitrosodiphenylamine	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Naphthalene	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Nitrobenzene	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Pentachlorophenol	ND		450	UG/KG	8270	08/05/2008 14:02	MD
Phenanthrene	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Phenol	ND		230	UG/KG	8270	08/05/2008 14:02	MD
Pyrene	ND		230	UG/KG	8270	08/05/2008 14:02	MD

Metals Analysis

Aluminum - Total	13700		13.4	MG/KG	6010	07/31/2008 23:14	TWS
Antimony - Total	ND		20.1	MG/KG	6010	07/31/2008 23:14	TWS
Arsenic - Total	6.1		2.7	MG/KG	6010	07/31/2008 23:14	TWS
Barium - Total	30.8		0.67	MG/KG	6010	07/31/2008 23:14	TWS
Beryllium - Total	0.30		0.27	MG/KG	6010	07/31/2008 23:14	TWS
Cadmium - Total	0.28		0.27	MG/KG	6010	07/31/2008 23:14	TWS
Calcium - Total	544		66.9	MG/KG	6010	07/31/2008 23:14	TWS
Chromium - Total	13.2		0.67	MG/KG	6010	07/31/2008 23:14	TWS
Cobalt - Total	5.6		0.67	MG/KG	6010	07/31/2008 23:14	TWS
Copper - Total	6.0		1.3	MG/KG	6010	07/31/2008 23:14	TWS
Iron - Total	24700		13.4	MG/KG	6010	07/31/2008 23:14	TWS
Lead - Total	13.2		1.3	MG/KG	6010	07/31/2008 23:14	TWS
Magnesium - Total	1740		26.8	MG/KG	6010	07/31/2008 23:14	TWS
Manganese - Total	253		0.27	MG/KG	6010	07/31/2008 23:14	TWS
Mercury - Total	0.085		0.025	MG/KG	7471	07/30/2008 16:59	MM
Nickel - Total	10.7		0.67	MG/KG	6010	07/31/2008 23:14	TWS
Potassium - Total	291		40.2	MG/KG	6010	07/31/2008 23:14	TWS
Selenium - Total	ND		5.4	MG/KG	6010	07/31/2008 23:14	TWS
Silver - Total	ND		0.67	MG/KG	6010	07/31/2008 23:14	TWS
Sodium - Total	ND		187	MG/KG	6010	07/31/2008 23:14	TWS
Thallium - Total	ND		8.0	MG/KG	6010	07/31/2008 23:14	TWS
Vanadium - Total	20.4		0.67	MG/KG	6010	07/31/2008 23:14	TWS
Zinc - Total	43.5		2.7	MG/KG	6010	07/31/2008 23:14	TWS

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: **OP-Tech** Project Manager: **Tom Rengert** Date: **7/28/08** Chain of Custody Number: **395148**
 Address: **6392 Deere Rd** Telephone Number (Area Code)/Fax Number: _____ Lab Number: _____
 City: **Syracuse** State: **NY** Zip Code: **13206** Site Contact: _____ Lab Contact: _____
 Project Name and Location (State): **Camp Georgetown / Post excavation Samples** Carrier/Waybill Number: _____
 Contract/Purchase Order/Quote No.: **SDCRO11**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Analysis (Attach list if more space is needed)	Special Instructions/Conditions of Receipt	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH				
AOC-H North wall #1	7/28/08	2:20				X								3	8270C (svoc) Metals SOLO B Dioxins Dioxins/Furan - PCDDs - PCDF	Dioxins Dioxins/Furan to W. Sacramento - PE
AOC-H EAST wall #1	7/28/08	2:25				X							3			
AOC-H EAST wall #2	7/28/08	2:30				X							3			
AOC-H South wall #1	7/28/08	2:35				X							3			
AOC-H West wall #1	7/28/08	2:40				X							3			
AOC-H West wall #2	7/28/08	2:45				X							3			
AOC-H BOTTOM #1	7/28/08	2:50				X							3			
AOC-H BOTTOM #2	7/28/08	2:55				X							3			

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown 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): **Category A**

1. Relinquished By: <i>[Signature]</i>	Date: 7/28/08	Time: 4:04	1. Received By: <i>[Signature]</i>	Date: 7/28/08	Time: 4:04
2. Relinquished By: <i>[Signature]</i>	Date: 07/28/08	Time: 17:20	2. Received By: <i>[Signature]</i>	Date: 07/28/08	Time: 17:20
3. Relinquished By: <i>[Signature]</i>	Date: 07/28/08	Time: 18:30	3. Received By: <i>[Signature]</i>	Date: 7-29-08	Time: 0910

Comments: _____

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

502.0

23/24

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

W. Sacramento
- RE

TAL-4142 (0907)

Client OP-TECH ENV SVS		Project Manager TOM Renger		Date 7/28/08	Chain of Custody Number 395147
Address 6392 Deerc Rd		Telephone Number (Area Code)/Fax Number 315-837-4977		Lab Number	Page 1 of 1
City Syracuse	State NY	Zip Code	Site Contact Joe Farrell	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State) Camp Seagrave town			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				Containers & Preservatives						Special Instructions/Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH			
72808CH-A	7/28/08	0710	<input checked="" type="checkbox"/>												230x490=112700
72808CH-B	7/28/08	0715	<input checked="" type="checkbox"/>												230x495=113850
72808CH-C	7/28/08	0720	<input checked="" type="checkbox"/>												230x505=116150
72808CH-D	7/28/08	0740	<input checked="" type="checkbox"/>												230x490=112702

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 Joe Farrell	Date 7/28/08	Time 17:20	1. Received By REnglish	Date 07/28/08	Time 17:20
2. Relinquished By REnglish	Date 07/28/08	Time 18:30	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By Andrew Symmonds	Date 7/29/08	Time 09:10

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Slays with the Sample; PINK - Field Copy

58 @ 2.0²

24/24

OP-TECH Environmental

Client Sample ID: AOC-H NORTH WALL #1

Trace Level Organic Compounds

Lot-Sample #...: G8G280183-001 Work Order #...: KR90J1AC Matrix.....: SOLID
 Date Sampled...: 07/28/08 Date Received...: 07/29/08
 Prep Date.....: 07/29/08 Analysis Date...: 08/01/08
 Prep Batch #...: 8211487
 Dilution Factor: 1
 % Moisture.....: 17

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.6	pg/g	SW846 8290
Total TCDD	ND	1.6	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	2.2	pg/g	SW846 8290
Total PeCDD	ND	2.2	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	2.4	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	7.7 J		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	3.1	pg/g	SW846 8290
Total HxCDD	17		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	210		pg/g	SW846 8290
Total HpCDD	320		pg/g	SW846 8290
OCDD	1300		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.92	pg/g	SW846 8290
Total TCDF	ND	0.92	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	1.4	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	1.5	pg/g	SW846 8290
Total PeCDF	ND	1.5	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	1.6	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	1.4	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	1.6	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.7	pg/g	SW846 8290
Total HxCDF	48		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	50		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	2.2	pg/g	SW846 8290
Total HpCDF	190		pg/g	SW846 8290
OCDF	250		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	79	(40 - 135)
13C-1,2,3,7,8-PeCDD	80	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	81	(40 - 135)
13C-OCDD	93	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	86	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-H EAST WALL #1

Trace Level Organic Compounds

Lot-Sample #...: G8G280183-002 Work Order #...: KR90K1AC Matrix.....: SOLID
 Date Sampled...: 07/28/08 Date Received...: 07/29/08
 Prep Date.....: 07/29/08 Analysis Date...: 08/01/08
 Prep Batch #...: 8211487
 Dilution Factor: 1
 % Moisture.....: 44

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	2.2	pg/g	SW846 8290
Total TCDD	ND	2.2	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	3.8	pg/g	SW846 8290
Total PeCDD	ND	3.8	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	4.2	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	5.0	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	3.2	pg/g	SW846 8290
Total HxCDD	ND	5.8	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	150		pg/g	SW846 8290
Total HpCDD	250		pg/g	SW846 8290
OCDD	950		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.2	pg/g	SW846 8290
Total TCDF	ND	1.2	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	2.5	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.7	pg/g	SW846 8290
Total PeCDF	ND	85	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	4.0	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	2.4	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	2.8	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	3.1	pg/g	SW846 8290
Total HxCDF	31		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	46		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	2.6	pg/g	SW846 8290
Total HpCDF	140		pg/g	SW846 8290
OCDF	180		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	(40 - 135)
13C-1,2,3,7,8-PeCDD	72	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	79	(40 - 135)
13C-OCDD	89	(40 - 135)
13C-2,3,7,8-TCDF	81	(40 - 135)
13C-1,2,3,7,8-PeCDF	77	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

OP-TECH Environmental

Client Sample ID: AOC-H EAST WALL #2

Trace Level Organic Compounds

Lot-Sample #....: G8G280183-003 Work Order #....: KR90L1AC Matrix.....: SOLID
 Date Sampled...: 07/28/08 Date Received...: 07/29/08
 Prep Date.....: 07/29/08 Analysis Date...: 08/01/08
 Prep Batch #....: 8211487
 Dilution Factor: 1
 % Moisture.....: 22

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	2.1	pg/g	SW846 8290
Total TCDD	ND	2.1	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	3.2	pg/g	SW846 8290
Total PeCDD	ND	3.2	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.4	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	2.5	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	2.6	pg/g	SW846 8290
Total HxCDD	ND	3.4	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	28		pg/g	SW846 8290
Total HpCDD	47		pg/g	SW846 8290
OCDD	260		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.2	pg/g	SW846 8290
Total TCDF	ND	2.1	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	2.1	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.2	pg/g	SW846 8290
Total PeCDF	ND	3.3	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	35		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	17		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	3.0	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	5.5	pg/g	SW846 8290
Total HxCDF	97		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	40		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	350		pg/g	SW846 8290
Total HpCDF	570		pg/g	SW846 8290
OCDF	41		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	72	(40 - 135)
13C-1,2,3,7,8-PeCDD	66	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	52	(40 - 135)
13C-OCDD	49	(40 - 135)
13C-2,3,7,8-TCDF	73	(40 - 135)
13C-1,2,3,7,8-PeCDF	72	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	65	(40 - 135)

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

OP-TECH Environmental

Client Sample ID: AOC-H SOUTH WALL #1

Trace Level Organic Compounds

Lot-Sample #....: G8G280183-004 Work Order #....: KR90M1AC Matrix.....: SOLID
 Date Sampled....: 07/28/08 Date Received...: 07/29/08
 Prep Date.....: 07/29/08 Analysis Date...: 08/01/08
 Prep Batch #....: 8211487
 Dilution Factor: 1
 % Moisture.....: 30

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.8	pg/g	SW846 8290
Total TCDD	ND	1.8	pg/g	SW846 8290
1,2,3,7,8-PeCDD	11 J		pg/g	SW846 8290
Total PeCDD	22		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	24		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	90		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	63		pg/g	SW846 8290
Total HxCDD	380		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	3000		pg/g	SW846 8290
Total HpCDD	4400		pg/g	SW846 8290
OCDD	19000 E		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.4	pg/g	SW846 8290
Total TCDF	ND	1.5	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	2.3	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.4	pg/g	SW846 8290
Total PeCDF	26		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	16		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	13 J		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	9.4	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	3.1	pg/g	SW846 8290
Total HxCDF	780		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	1100		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	41		pg/g	SW846 8290
Total HpCDF	4700		pg/g	SW846 8290
OCDF	7100		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	(40 - 135)
13C-1,2,3,7,8-PeCDD	75	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	102	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	100	(40 - 135)
13C-OCDD	122	(40 - 135)
13C-2,3,7,8-TCDF	79	(40 - 135)
13C-1,2,3,7,8-PeCDF	79	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	103	(40 - 135)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

E Estimated result. Result concentration exceeds the calibration range.

OP-TECH Environmental

Client Sample ID: AOC-H WEST WALL #1

Trace Level Organic Compounds

Lot-Sample #....: G8G280183-005 Work Order #....: KR90N1AC Matrix.....: SOLID
 Date Sampled....: 07/28/08 Date Received...: 07/29/08
 Prep Date.....: 07/29/08 Analysis Date...: 08/01/08
 Prep Batch #....: 8211487
 Dilution Factor: 1
 % Moisture.....: 36

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.6	pg/g	SW846 8290
Total TCDD	ND	1.6	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	3.1	pg/g	SW846 8290
Total PeCDD	ND	3.1	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.5	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	2.6	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	2.7	pg/g	SW846 8290
Total HxCDD	ND	3.5	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	34		pg/g	SW846 8290
Total HpCDD	34		pg/g	SW846 8290
OCDD	260		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.1	pg/g	SW846 8290
Total TCDF	ND	1.1	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	1.7	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	1.9	pg/g	SW846 8290
Total PeCDF	ND	1.9	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	2.4	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	2.0	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	2.3	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.5	pg/g	SW846 8290
Total HxCDF	ND	4.5	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	8.5 J		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	2.5	pg/g	SW846 8290
Total HpCDF	34		pg/g	SW846 8290
OCDF	47		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	89	(40 - 135)
13C-1,2,3,7,8-PeCDD	73	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	98	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	78	(40 - 135)
13C-OCDD	74	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
13C-1,2,3,7,8-PeCDF	84	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	87	(40 - 135)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-H WEST WALL #2

Trace Level Organic Compounds

Lot-Sample #....: G8G280183-006 Work Order #....: KR90P1AC Matrix.....: SOLID
 Date Sampled....: 07/28/08 Date Received...: 07/29/08
 Prep Date.....: 07/29/08 Analysis Date...: 08/01/08
 Prep Batch #....: 8211487
 Dilution Factor: 1
 % Moisture.....: 32

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.5	pg/g	SW846 8290
Total TCDD	ND	1.5	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	3.3	pg/g	SW846 8290
Total PeCDD	ND	3.3	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.1	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	15		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	5.0	pg/g	SW846 8290
Total HxCDD	37		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	580		pg/g	SW846 8290
Total HpCDD	850		pg/g	SW846 8290
OCDD	3900		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.2	pg/g	SW846 8290
Total TCDF	ND	1.2	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	1.7	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	1.8	pg/g	SW846 8290
Total PeCDF	ND	5.6	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	4.1	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	2.9	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	3.0	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	3.0	pg/g	SW846 8290
Total HxCDF	100		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	130		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	8.1 J		pg/g	SW846 8290
Total HpCDF	580		pg/g	SW846 8290
OCDF	770		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	96	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	84	(40 - 135)
13C-OCDD	97	(40 - 135)
13C-2,3,7,8-TCDF	88	(40 - 135)
13C-1,2,3,7,8-PeCDF	83	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-H BOTTOM #1

Trace Level Organic Compounds

Lot-Sample #....: G8G280183-007 Work Order #....: KR90Q1AC Matrix.....: SOLID
 Date Sampled....: 07/28/08 Date Received...: 07/29/08
 Prep Date.....: 07/29/08 Analysis Date...: 08/01/08
 Prep Batch #....: 8211487
 Dilution Factor: 1
 % Moisture.....: 34

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	2.0	pg/g	SW846 8290
Total TCDD	ND	2.0	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	3.3	pg/g	SW846 8290
Total PeCDD	ND	3.3	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.7	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	16		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	6.4	pg/g	SW846 8290
Total HxCDD	62		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	590		pg/g	SW846 8290
Total HpCDD	870		pg/g	SW846 8290
OCDD	4000		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.1	pg/g	SW846 8290
Total TCDF	ND	1.1	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	1.9	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.0	pg/g	SW846 8290
Total PeCDF	ND	8.7	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	4.2	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	2.6	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	3.1	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	3.4	pg/g	SW846 8290
Total HxCDF	120		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	150		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	7.8 J		pg/g	SW846 8290
Total HpCDF	650		pg/g	SW846 8290
OCDF	980		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	77	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	105	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	86	(40 - 135)
13C-OCDD	104	(40 - 135)
13C-2,3,7,8-TCDF	88	(40 - 135)
13C-1,2,3,7,8-PeCDF	86	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	95	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	100	(40 - 135)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-H BOTTOM #2

Trace Level Organic Compounds

Lot-Sample #....: G8G280183-008 Work Order #....: KR90R1AC Matrix.....: SOLID
 Date Sampled....: 07/28/08 Date Received...: 07/29/08
 Prep Date.....: 07/29/08 Analysis Date...: 08/01/08
 Prep Batch #....: 8211487
 Dilution Factor: 1
 % Moisture.....: 27

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.9	pg/g	SW846 8290
Total TCDD	ND	1.9	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	3.1	pg/g	SW846 8290
Total PeCDD	ND	3.1	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	3.6	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	3.2	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	2.7	pg/g	SW846 8290
Total HxCDD	ND	3.2	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	81		pg/g	SW846 8290
Total HpCDD	120		pg/g	SW846 8290
OCDD	590		pg/g	SW846 8290
2,3,7,8-TCDF	ND	1.2	pg/g	SW846 8290
Total TCDF	ND	1.2	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	2.0	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.1	pg/g	SW846 8290
Total PeCDF	ND	2.1	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	2.6	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	2.1	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	2.5	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	2.7	pg/g	SW846 8290
Total HxCDF	7.1		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	22		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	3.3	pg/g	SW846 8290
Total HpCDF	87		pg/g	SW846 8290
OCDF	120		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	81	(40 - 135)
13C-1,2,3,7,8-PeCDD	68	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	95	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	78	(40 - 135)
13C-OCDD	74	(40 - 135)
13C-2,3,7,8-TCDF	80	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	82	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	82	(40 - 135)

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

OP-TECH Environmental

Client Sample ID: AOC-H NORTH WALL #1

General Chemistry

Lot-Sample #...: G8G280183-001 Work Order #...: KR90J Matrix.....: SOLID
Date Sampled...: 07/28/08 Date Received...: 07/29/08
% Moisture.....: 17

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	16.6	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212189
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-H EAST WALL #1

General Chemistry

Lot-Sample #...: G8G280183-002 Work Order #...: KR90K Matrix.....: SOLID
Date Sampled...: 07/28/08 Date Received...: 07/29/08
% Moisture.....: 44

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	43.6	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212189
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-H EAST WALL #2

General Chemistry

Lot-Sample #...: G8G280183-003 Work Order #...: KR90L Matrix.....: SOLID
Date Sampled...: 07/28/08 Date Received...: 07/29/08
% Moisture.....: 22

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	22.1	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212189
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-H SOUTH WALL #1

General Chemistry

Lot-Sample #...: G8G280183-004 Work Order #...: KR90M Matrix.....: SOLID
Date Sampled...: 07/28/08 Date Received...: 07/29/08
% Moisture.....: 30

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	30.2	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212189
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-H WEST WALL #1

General Chemistry

Lot-Sample #...: G8G280183-005 Work Order #...: KR90N Matrix.....: SOLID
Date Sampled...: 07/28/08 Date Received...: 07/29/08
% Moisture.....: 36

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	36.1	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212189
		Dilution Factor: 1		MDL.....: 0.10		

OP-TECH Environmental

Client Sample ID: AOC-H WEST WALL #2

General Chemistry

Lot-Sample #...: G8G280183-006 Work Order #...: KR90P Matrix.....: SOLID
Date Sampled...: 07/28/08 Date Received...: 07/29/08
% Moisture.....: 32

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Moisture	32.3	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212189

Dilution Factor: 1 MDL.....: 0.10

OP-TECH Environmental

Client Sample ID: AOC-H BOTTOM #1

General Chemistry

Lot-Sample #...: G8G280183-007
Date Sampled...: 07/28/08
% Moisture.....: 34

Work Order #...: KR90Q
Date Received...: 07/29/08

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>PREP</u> <u>BATCH #</u>
Percent Moisture	33.9	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212189

Dilution Factor: 1 MDL.....: 0.10

OP-TECH Environmental

Client Sample ID: AOC-H BOTTOM #2

General Chemistry

Lot-Sample #...: G8G280183-008
Date Sampled...: 07/28/08
% Moisture.....: 27

Work Order #...: KR90R
Date Received...: 07/29/08

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	27.2	0.10	%	ASTM D 2216-90	07/30-07/31/08	8212189
		Dilution Factor: 1		MDL.....: 0.10		

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8G280183 Work Order #...: KTCL71AA Matrix.....: SOLID
 MB Lot-Sample #: G8G290000-487
 Prep Date.....: 07/29/08
 Analysis Date...: 08/01/08 Prep Batch #...: 8211487
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.2	pg/g	SW846 8290
Total TCDD	ND	1.2	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	1.7	pg/g	SW846 8290
Total PeCDD	ND	1.7	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	2.3	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	1.7	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	1.8	pg/g	SW846 8290
Total HxCDD	ND	2.3	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	1.5	pg/g	SW846 8290
Total HpCDD	ND	1.5	pg/g	SW846 8290
OCDD	ND	1.9	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.72	pg/g	SW846 8290
Total TCDF	ND	0.72	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.97	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	1.0	pg/g	SW846 8290
Total PeCDF	ND	1.0	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	1.3	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	1.1	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	1.3	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.4	pg/g	SW846 8290
Total HxCDF	ND	1.4	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.93	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	1.2	pg/g	SW846 8290
Total HpCDF	ND	1.2	pg/g	SW846 8290
OCDF	ND	2.3	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	92	(40 - 135)
13C-1,2,3,7,8-PeCDD	79	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	94	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	88	(40 - 135)
13C-OCDD	92	(40 - 135)
13C-2,3,7,8-TCDF	95	(40 - 135)
13C-1,2,3,7,8-PeCDF	91	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	84	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G280183 Work Order #...: KTCL71AC Matrix.....: SOLID
 LCS Lot-Sample#: G8G290000-487
 Prep Date.....: 07/29/08 Analysis Date...: 07/31/08
 Prep Batch #...: 8211487
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	110	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	125	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	123	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	121	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	119	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	123	(82 - 134)	SW846 8290
OCDD	129	(74 - 144)	SW846 8290
2,3,7,8-TCDF	110	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	121	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	121	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	125	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	119	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	113	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	127	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	124	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	113	(78 - 130)	SW846 8290
OCDF	112	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	90	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
13C-1,2,3,7,8-PeCDF	85	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G280183 Work Order #...: KTCL71AC Matrix.....: SOLID
 LCS Lot-Sample#: G8G290000-487
 Prep Date.....: 07/29/08 Analysis Date...: 07/31/08
 Prep Batch #...: 8211487
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	40.0	43.9	pg/g	110	SW846 8290
1,2,3,7,8-PeCDD	200	249	pg/g	125	SW846 8290
1,2,3,4,7,8-HxCDD	200	246	pg/g	123	SW846 8290
1,2,3,6,7,8-HxCDD	200	242	pg/g	121	SW846 8290
1,2,3,7,8,9-HxCDD	200	238	pg/g	119	SW846 8290
1,2,3,4,6,7,8-HpCDD	200	247	pg/g	123	SW846 8290
OCDD	400	515	pg/g	129	SW846 8290
2,3,7,8-TCDF	40.0	44.0	pg/g	110	SW846 8290
1,2,3,7,8-PeCDF	200	241	pg/g	121	SW846 8290
2,3,4,7,8-PeCDF	200	242	pg/g	121	SW846 8290
1,2,3,4,7,8-HxCDF	200	250	pg/g	125	SW846 8290
1,2,3,6,7,8-HxCDF	200	238	pg/g	119	SW846 8290
2,3,4,6,7,8-HxCDF	200	226	pg/g	113	SW846 8290
1,2,3,7,8,9-HxCDF	200	255	pg/g	127	SW846 8290
1,2,3,4,6,7,8-HpCDF	200	248	pg/g	124	SW846 8290
1,2,3,4,7,8,9-HpCDF	200	227	pg/g	113	SW846 8290
OCDF	400	449	pg/g	112	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	86	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	90	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
13C-1,2,3,7,8-PeCDF	85	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #....: G8G280183 Work Order #....: KR90J1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: G8G280183-001 KR90J1AE-MSD
 Date Sampled...: 07/28/08 Date Received...: 07/29/08
 Prep Date.....: 07/29/08 Analysis Date...: 08/01/08
 Prep Batch #...: 8211487
 Dilution Factor: 1 % Moisture.....: 17

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2,3,7,8-TCDD	111	(82 - 125)			SW846 8290
	207 a,p	(82 - 125)	60	(0-20)	SW846 8290
1,2,3,7,8-PeCDD	120	(81 - 128)			SW846 8290
	244 a,p	(81 - 128)	68	(0-20)	SW846 8290
1,2,3,4,7,8-HxCDD	111	(72 - 134)			SW846 8290
	204 a,p	(72 - 134)	59	(0-20)	SW846 8290
1,2,3,6,7,8-HxCDD	121	(82 - 133)			SW846 8290
	227 a,p	(82 - 133)	60	(0-20)	SW846 8290
1,2,3,7,8,9-HxCDD	115	(71 - 129)			SW846 8290
	216 a,p	(71 - 129)	61	(0-20)	SW846 8290
1,2,3,4,6,7,8-HpCDD	110	(82 - 134)			SW846 8290
	462 a,p	(82 - 134)	94	(0-20)	SW846 8290
OCDD	86	(74 - 144)			SW846 8290
	910 a,p	(74 - 144)	108	(0-20)	SW846 8290
2,3,7,8-TCDF	104	(80 - 132)			SW846 8290
	196 a,p	(80 - 132)	61	(0-20)	SW846 8290
1,2,3,7,8-PeCDF	122	(86 - 129)			SW846 8290
	236 a,p	(86 - 129)	64	(0-20)	SW846 8290
2,3,4,7,8-PeCDF	127	(84 - 136)			SW846 8290
	258 a,p	(84 - 136)	68	(0-20)	SW846 8290
1,2,3,4,7,8-HxCDF	123	(83 - 132)			SW846 8290
	249 a,p	(83 - 132)	68	(0-20)	SW846 8290
1,2,3,6,7,8-HxCDF	127	(74 - 148)			SW846 8290
	261 a,p	(74 - 148)	69	(0-20)	SW846 8290
2,3,4,6,7,8-HxCDF	116	(75 - 151)			SW846 8290
	230 a,p	(75 - 151)	66	(0-20)	SW846 8290
1,2,3,7,8,9-HxCDF	121	(70 - 143)			SW846 8290
	243 a,p	(70 - 143)	67	(0-20)	SW846 8290
1,2,3,4,6,7,8-HpCDF	118	(85 - 130)			SW846 8290
	281 a,p	(85 - 130)	74	(0-20)	SW846 8290
1,2,3,4,7,8,9-HpCDF	112	(78 - 130)			SW846 8290
	219 a,p	(78 - 130)	65	(0-20)	SW846 8290
OCDF	112	(77 - 143)			SW846 8290
	355 a,p	(77 - 143)	85	(0-20)	SW846 8290

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G280183 Work Order #...: KR90J1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: G8G280183-001 KR90J1AE-MSD

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	85	(40 - 135)
	27 *	(40 - 135)
13C-1,2,3,7,8-PeCDD	76	(40 - 135)
	25 *	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	98	(40 - 135)
	35 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	88	(40 - 135)
	29 *	(40 - 135)
13C-OCDD	100	(40 - 135)
	33 *	(40 - 135)
13C-2,3,7,8-TCDF	85	(40 - 135)
	28 *	(40 - 135)
13C-1,2,3,7,8-PeCDF	79	(40 - 135)
	26 *	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
	31 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 135)
	32 *	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G280183 Work Order #...: KR90J1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: G8G280183-001 KR90J1AE-MSD
 Date Sampled...: 07/28/08 Date Received...: 07/29/08
 Prep Date.....: 07/29/08 Analysis Date...: 08/01/08
 Prep Batch #...: 8211487
 Dilution Factor: 1 % Moisture.....: 17

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,3,7,8-TCDD	ND	48.0	53.5	pg/g	111		SW846 8290
	ND	48.0	99.1	pg/g	207	60	SW846 8290
	Qualifiers: a,p						
1,2,3,7,8-PeCDD	ND	240	288	pg/g	120		SW846 8290
	ND	240	586	pg/g	244	68	SW846 8290
	Qualifiers: a,p						
1,2,3,4,7,8-HxCDD	ND	240	267	pg/g	111		SW846 8290
	ND	240	490	pg/g	204	59	SW846 8290
	Qualifiers: a,p						
1,2,3,6,7,8-HxCDD	7.7	240	297	pg/g	121		SW846 8290
	7.7	240	551	pg/g	227	60	SW846 8290
	Qualifiers: a,p						
1,2,3,7,8,9-HxCDD	ND	240	277	pg/g	115		SW846 8290
	ND	240	519	pg/g	216	61	SW846 8290
	Qualifiers: a,p						
1,2,3,4,6,7,8-HpCDD	210	240	474	pg/g	110		SW846 8290
	210	240	1320	pg/g	462	94	SW846 8290
	Qualifiers: a,p						
OCDD	1300	480	1670	pg/g	86		SW846 8290
	1300	480	5620	pg/g	910	108	SW846 8290
	Qualifiers: a,p						
2,3,7,8-TCDF	ND	48.0	50.1	pg/g	104		SW846 8290
	ND	48.0	94.2	pg/g	196	61	SW846 8290
	Qualifiers: a,p						
1,2,3,7,8-PeCDF	ND	240	292	pg/g	122		SW846 8290
	ND	240	565	pg/g	236	64	SW846 8290
	Qualifiers: a,p						
2,3,4,7,8-PeCDF	ND	240	306	pg/g	127		SW846 8290
	ND	240	619	pg/g	258	68	SW846 8290
	Qualifiers: a,p						
1,2,3,4,7,8-HxCDF	ND	240	296	pg/g	123		SW846 8290
	ND	240	599	pg/g	249	68	SW846 8290
	Qualifiers: a,p						
1,2,3,6,7,8-HxCDF	ND	240	305	pg/g	127		SW846 8290
	ND	240	626	pg/g	261	69	SW846 8290
	Qualifiers: a,p						
2,3,4,6,7,8-HxCDF	ND	240	279	pg/g	116		SW846 8290
	ND	240	553	pg/g	230	66	SW846 8290
	Qualifiers: a,p						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G280183 Work Order #...: KR90J1AD-MS Matrix.....: SOLID
 MS Lot-Sample #: G8G280183-001 KR90J1AE-MSD

PARAMETER	SAMPLE	SPIKE	MEASRD	UNITS	PERCNT		METHOD
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	
1,2,3,7,8,9-HxCDF	ND	240	291	pg/g	121		SW846 8290
	ND	240	583	pg/g	243	67	SW846 8290
	Qualifiers: a,p						
1,2,3,4,6,7,8-HpCDF	50	240	334	pg/g	118		SW846 8290
	50	240	724	pg/g	281	74	SW846 8290
	Qualifiers: a,p						
1,2,3,4,7,8,9-HpCDF	ND	240	269	pg/g	112		SW846 8290
	ND	240	526	pg/g	219	65	SW846 8290
	Qualifiers: a,p						
OCDF	250	480	786	pg/g	112		SW846 8290
	250	480	1960	pg/g	355	85	SW846 8290
	Qualifiers: a,p						

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
	27 *	(40 - 135)
13C-1,2,3,7,8-PeCDD	76	(40 - 135)
	25 *	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	98	(40 - 135)
	35 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	88	(40 - 135)
	29 *	(40 - 135)
13C-OCDD	100	(40 - 135)
	33 *	(40 - 135)
13C-2,3,7,8-TCDF	85	(40 - 135)
	28 *	(40 - 135)
13C-1,2,3,7,8-PeCDF	79	(40 - 135)
	26 *	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
	31 *	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 135)
	32 *	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

* Surrogate recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G8G280183

Work Order #...: KR2WP-SMP
KR2WP-DUP

Matrix.....: SOLID

Date Sampled...: 07/21/08

Date Received...: 07/23/08

% Moisture.....: 47

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>			<u>LIMIT</u>		<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	46.6	51.6	%	10	(0-20)	ASTM D 2216-90	SD Lot-Sample #: G8G230246-001 07/30-07/31/08	8212189

Dilution Factor: 1

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-H NORTH WALL #1

Lot-Sample #...: G8G280183 - 001	Work Order #...: KR90J1AC	Matrix....: SOLID
Date Sampled...: 07/28/08	Date Received...: 07/29/08	Instrument: 1D5
Prep Date.....: 07/29/08	Analysis Date...: 08/01/08	Units.....: pg/g
Prep Batch #...: 8211487	Dilution Factor: 1	% Moisture: 17

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.6	1.000	0
Total TCDD	ND	1.6		0
1,2,3,7,8-PeCDD	ND	2.2	0.500	0
Total PeCDD	ND	2.2		0
1,2,3,4,7,8-HxCDD	ND	2.4	0.100	0
1,2,3,6,7,8-HxCDD	7.7 J		0.100	0.7700
1,2,3,7,8,9-HxCDD	ND	3.1	0.100	0
Total HxCDD	17			
1,2,3,4,6,7,8-HpCDD	210		0.010	2.1000
Total HpCDD	320			
OCDD	1300		0.001	1.3000
2,3,7,8-TCDF	ND	0.92	0.100	0
Total TCDF	ND	0.92		0
1,2,3,7,8-PeCDF	ND	1.4	0.050	0
2,3,4,7,8-PeCDF	ND	1.5	0.500	0
Total PeCDF	ND	1.5		0
1,2,3,4,7,8-HxCDF	ND	1.6	0.100	0
1,2,3,6,7,8-HxCDF	ND	1.4	0.100	0
2,3,4,6,7,8-HxCDF	ND	1.6	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.7	0.100	0
Total HxCDF	48			
1,2,3,4,6,7,8-HpCDF	50		0.010	0.5000
1,2,3,4,7,8,9-HpCDF	ND	2.2	0.010	0
Total HpCDF	190			
OCDF	250		0.001	0.2500
Total TEQ Concentration				4.9200

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	79	40 - 135
13C-1,2,3,7,8-PeCDD	80	40 - 135
13C-1,2,3,6,7,8-HxCDD	96	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	81	40 - 135
13C-OCDD	93	40 - 135
13C-2,3,7,8-TCDF	82	40 - 135
13C-1,2,3,7,8-PeCDF	86	40 - 135
13C-1,2,3,4,7,8-HxCDF	90	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	93	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-H EAST WALL #1

Lot-Sample #...: G8G280183 - 002
 Date Sampled...: 07/28/08
 Prep Date.....: 07/29/08
 Prep Batch #...: 8211487

Work Order #...: KR90K1AC
 Date Received...: 07/29/08
 Analysis Date...: 08/01/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 44

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	2.2	1.000	0
Total TCDD	ND	2.2		0
1,2,3,7,8-PeCDD	ND	3.8	0.500	0
Total PeCDD	ND	3.8		0
1,2,3,4,7,8-HxCDD	ND	4.2	0.100	0
1,2,3,6,7,8-HxCDD	ND	5.0	0.100	0
1,2,3,7,8,9-HxCDD	ND	3.2	0.100	0
Total HxCDD	ND	5.8		0
1,2,3,4,6,7,8-HpCDD	150		0.010	1.5000
Total HpCDD	250			
OCDD	950		0.001	0.9500
2,3,7,8-TCDF	ND	1.2	0.100	0
Total TCDF	ND	1.2		0
1,2,3,7,8-PeCDF	ND	2.5	0.050	0
2,3,4,7,8-PeCDF	ND	2.7	0.500	0
Total PeCDF	ND	85		0
1,2,3,4,7,8-HxCDF	ND	4.0	0.100	0
1,2,3,6,7,8-HxCDF	ND	2.4	0.100	0
2,3,4,6,7,8-HxCDF	ND	2.8	0.100	0
1,2,3,7,8,9-HxCDF	ND	3.1	0.100	0
Total HxCDF	31			
1,2,3,4,6,7,8-HpCDF	46		0.010	0.4600
1,2,3,4,7,8,9-HpCDF	ND	2.6	0.010	0
Total HpCDF	140			
OCDF	180		0.001	0.1800
Total TEQ Concentration				3.0900

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	40 - 135
13C-1,2,3,7,8-PeCDD	72	40 - 135
13C-1,2,3,6,7,8-HxCDD	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	79	40 - 135
13C-OCDD	89	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	77	40 - 135
13C-1,2,3,4,7,8-HxCDF	84	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-H EAST WALL #2

Lot-Sample #...: G8G280183 - 003
 Date Sampled...: 07/28/08
 Prep Date.....: 07/29/08
 Prep Batch #...: 8211487

Work Order #...: KR90L1AC
 Date Received...: 07/29/08
 Analysis Date...: 08/01/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 22

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	2.1	1.000	0
Total TCDD	ND	2.1		0
1,2,3,7,8-PeCDD	ND	3.2	0.500	0
Total PeCDD	ND	3.2		0
1,2,3,4,7,8-HxCDD	ND	3.4	0.100	0
1,2,3,6,7,8-HxCDD	ND	2.5	0.100	0
1,2,3,7,8,9-HxCDD	ND	2.6	0.100	0
Total HxCDD	ND	3.4		0
1,2,3,4,6,7,8-HpCDD	28		0.010	0.2800
Total HpCDD	47			
OCDD	260		0.001	0.2600
2,3,7,8-TCDF	ND	1.2	0.100	0
Total TCDF	ND	2.1		0
1,2,3,7,8-PeCDF	ND	2.1	0.050	0
2,3,4,7,8-PeCDF	ND	2.2	0.500	0
Total PeCDF	ND	3.3		0
1,2,3,4,7,8-HxCDF	35		0.100	3.5000
1,2,3,6,7,8-HxCDF	17		0.100	1.7000
2,3,4,6,7,8-HxCDF	ND	3.0	0.100	0
1,2,3,7,8,9-HxCDF	ND	5.5	0.100	0
Total HxCDF	97			
1,2,3,4,6,7,8-HpCDF	40		0.010	0.4000
1,2,3,4,7,8,9-HpCDF	350		0.010	3.5000
Total HpCDF	570			
OCDF	41		0.001	0.0410
Total TEQ Concentration				9.6810

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	72	40 - 135
13C-1,2,3,7,8-PeCDD	66	40 - 135
13C-1,2,3,6,7,8-HxCDD	75	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	52	40 - 135
13C-OCDD	49	40 - 135
13C-2,3,7,8-TCDF	73	40 - 135
13C-1,2,3,7,8-PeCDF	72	40 - 135
13C-1,2,3,4,7,8-HxCDF	71	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	65	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-H SOUTH WALL #1

Lot-Sample #...:	G8G280183 - 004	Work Order #...:	KR90M1AC	Matrix....:	SOLID
Date Sampled...:	07/28/08	Date Received...:	07/29/08	Instrument:	1D5
Prep Date.....:	07/29/08	Analysis Date...:	08/01/08	Units.....:	pg/g
Prep Batch #...:	8211487	Dilution Factor:	1	% Moisture:	30

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.8	1.000	0
Total TCDD	ND	1.8		0
1,2,3,7,8-PeCDD	11 J		0.500	5.5000
Total PeCDD	22			
1,2,3,4,7,8-HxCDD	24		0.100	2.4000
1,2,3,6,7,8-HxCDD	90		0.100	9.0000
1,2,3,7,8,9-HxCDD	63		0.100	6.3000
Total HxCDD	380			
1,2,3,4,6,7,8-HpCDD	3000		0.010	30.0000
Total HpCDD	4400			
OCDD	19000 E		0.001	19.0000
2,3,7,8-TCDF	ND	1.4	0.100	0
Total TCDF	ND	1.5		0
1,2,3,7,8-PeCDF	ND	2.3	0.050	0
2,3,4,7,8-PeCDF	ND	2.4	0.500	0
Total PeCDF	26			
1,2,3,4,7,8-HxCDF	16		0.100	1.6000
1,2,3,6,7,8-HxCDF	13 J		0.100	1.3000
2,3,4,6,7,8-HxCDF	ND	9.4	0.100	0
1,2,3,7,8,9-HxCDF	ND	3.1	0.100	0
Total HxCDF	780			
1,2,3,4,6,7,8-HpCDF	1100		0.010	11.0000
1,2,3,4,7,8,9-HpCDF	41		0.010	0.4100
Total HpCDF	4700			
OCDF	7100		0.001	7.1000
Total TEQ Concentration				93.6100

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	92	40 - 135
13C-1,2,3,7,8-PeCDD	75	40 - 135
13C-1,2,3,6,7,8-HxCDD	102	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	100	40 - 135
13C-OCDD	122	40 - 135
13C-2,3,7,8-TCDF	79	40 - 135
13C-1,2,3,7,8-PeCDF	79	40 - 135
13C-1,2,3,4,7,8-HxCDF	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	103	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-H WEST WALL #1

Lot-Sample #...:	G8G280183 - 005	Work Order #...:	KR90N1AC	Matrix....:	SOLID
Date Sampled...:	07/28/08	Date Received...:	07/29/08	Instrument:	1D5
Prep Date.....:	07/29/08	Analysis Date...:	08/01/08	Units.....:	pg/g
Prep Batch #...:	8211487	Dilution Factor:	1	% Moisture:	36

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.6	1.000	0
Total TCDD	ND	1.6		0
1,2,3,7,8-PeCDD	ND	3.1	0.500	0
Total PeCDD	ND	3.1		0
1,2,3,4,7,8-HxCDD	ND	3.5	0.100	0
1,2,3,6,7,8-HxCDD	ND	2.6	0.100	0
1,2,3,7,8,9-HxCDD	ND	2.7	0.100	0
Total HxCDD	ND	3.5		0
1,2,3,4,6,7,8-HpCDD	34		0.010	0.3400
Total HpCDD	34			
OCDD	260		0.001	0.2600
2,3,7,8-TCDF	ND	1.1	0.100	0
Total TCDF	ND	1.1		0
1,2,3,7,8-PeCDF	ND	1.7	0.050	0
2,3,4,7,8-PeCDF	ND	1.9	0.500	0
Total PeCDF	ND	1.9		0
1,2,3,4,7,8-HxCDF	ND	2.4	0.100	0
1,2,3,6,7,8-HxCDF	ND	2.0	0.100	0
2,3,4,6,7,8-HxCDF	ND	2.3	0.100	0
1,2,3,7,8,9-HxCDF	ND	2.5	0.100	0
Total HxCDF	ND	4.5		0
1,2,3,4,6,7,8-HpCDF	8.5	J	0.010	0.0850
1,2,3,4,7,8,9-HpCDF	ND	2.5	0.010	0
Total HpCDF	34			
OCDF	47		0.001	0.0470
Total TEQ Concentration				0.7320

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	89	40 - 135
13C-1,2,3,7,8-PeCDD	73	40 - 135
13C-1,2,3,6,7,8-HxCDD	98	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	78	40 - 135
13C-OCDD	74	40 - 135
13C-2,3,7,8-TCDF	90	40 - 135
13C-1,2,3,7,8-PeCDF	84	40 - 135
13C-1,2,3,4,7,8-HxCDF	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	87	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-H WEST WALL #2

Lot-Sample #...: G8G280183 - 006
 Date Sampled...: 07/28/08
 Prep Date.....: 07/29/08
 Prep Batch #...: 8211487

Work Order #...: KR90P1AC
 Date Received..: 07/29/08
 Analysis Date...: 08/01/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 32

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.5	1.000	0
Total TCDD	ND	1.5		0
1,2,3,7,8-PeCDD	ND	3.3	0.500	0
Total PeCDD	ND	3.3		0
1,2,3,4,7,8-HxCDD	ND	3.1	0.100	0
1,2,3,6,7,8-HxCDD	15		0.100	1.5000
1,2,3,7,8,9-HxCDD	ND	5.0	0.100	0
Total HxCDD	37			
1,2,3,4,6,7,8-HpCDD	580		0.010	5.8000
Total HpCDD	850			
OCDD	3900		0.001	3.9000
2,3,7,8-TCDF	ND	1.2	0.100	0
Total TCDF	ND	1.2		0
1,2,3,7,8-PeCDF	ND	1.7	0.050	0
2,3,4,7,8-PeCDF	ND	1.8	0.500	0
Total PeCDF	ND	5.6		0
1,2,3,4,7,8-HxCDF	ND	4.1	0.100	0
1,2,3,6,7,8-HxCDF	ND	2.9	0.100	0
2,3,4,6,7,8-HxCDF	ND	3.0	0.100	0
1,2,3,7,8,9-HxCDF	ND	3.0	0.100	0
Total HxCDF	100			
1,2,3,4,6,7,8-HpCDF	130		0.010	1.3000
1,2,3,4,7,8,9-HpCDF	8.1	J	0.010	0.0810
Total HpCDF	580			
OCDF	770		0.001	0.7700
Total TEQ Concentration				13.3510

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	77	40 - 135
13C-1,2,3,6,7,8-HxCDD	96	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	84	40 - 135
13C-OCDD	97	40 - 135
13C-2,3,7,8-TCDF	88	40 - 135
13C-1,2,3,7,8-PeCDF	83	40 - 135
13C-1,2,3,4,7,8-HxCDF	91	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-H BOTTOM #1

Lot-Sample #...: G8G280183 - 007
 Date Sampled...: 07/28/08
 Prep Date.....: 07/29/08
 Prep Batch #...: 8211487

Work Order #...: KR90Q1AC
 Date Received...: 07/29/08
 Analysis Date...: 08/01/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 34

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	2.0	1.000	0
Total TCDD	ND	2.0		0
1,2,3,7,8-PeCDD	ND	3.3	0.500	0
Total PeCDD	ND	3.3		0
1,2,3,4,7,8-HxCDD	ND	3.7	0.100	0
1,2,3,6,7,8-HxCDD	16		0.100	1.6000
1,2,3,7,8,9-HxCDD	ND	6.4	0.100	0
Total HxCDD	62			
1,2,3,4,6,7,8-HpCDD	590		0.010	5.9000
Total HpCDD	870			
OCDD	4000		0.001	4.0000
2,3,7,8-TCDF	ND	1.1	0.100	0
Total TCDF	ND	1.1		0
1,2,3,7,8-PeCDF	ND	1.9	0.050	0
2,3,4,7,8-PeCDF	ND	2.0	0.500	0
Total PeCDF	ND	8.7		0
1,2,3,4,7,8-HxCDF	ND	4.2	0.100	0
1,2,3,6,7,8-HxCDF	ND	2.6	0.100	0
2,3,4,6,7,8-HxCDF	ND	3.1	0.100	0
1,2,3,7,8,9-HxCDF	ND	3.4	0.100	0
Total HxCDF	120			
1,2,3,4,6,7,8-HpCDF	150		0.010	1.5000
1,2,3,4,7,8,9-HpCDF	7.8	J	0.010	0.0780
Total HpCDF	650			
OCDF	980		0.001	0.9800
Total TEQ Concentration				14.0580

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	77	40 - 135
13C-1,2,3,6,7,8-HxCDD	105	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	86	40 - 135
13C-OCDD	104	40 - 135
13C-2,3,7,8-TCDF	88	40 - 135
13C-1,2,3,7,8-PeCDF	86	40 - 135
13C-1,2,3,4,7,8-HxCDF	95	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	100	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-H BOTTOM #2

Lot-Sample #...: G8G280183 - 008
 Date Sampled...: 07/28/08
 Prep Date.....: 07/29/08
 Prep Batch #...: 8211487

Work Order #...: KR90R1AC
 Date Received...: 07/29/08
 Analysis Date...: 08/01/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 27

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.9	1.000	0
Total TCDD	ND	1.9		0
1,2,3,7,8-PeCDD	ND	3.1	0.500	0
Total PeCDD	ND	3.1		0
1,2,3,4,7,8-HxCDD	ND	3.6	0.100	0
1,2,3,6,7,8-HxCDD	ND	3.2	0.100	0
1,2,3,7,8,9-HxCDD	ND	2.7	0.100	0
Total HxCDD	ND	3.2		0
1,2,3,4,6,7,8-HpCDD	81		0.010	0.8100
Total HpCDD	120			
OCDD	590		0.001	0.5900
2,3,7,8-TCDF	ND	1.2	0.100	0
Total TCDF	ND	1.2		0
1,2,3,7,8-PeCDF	ND	2.0	0.050	0
2,3,4,7,8-PeCDF	ND	2.1	0.500	0
Total PeCDF	ND	2.1		0
1,2,3,4,7,8-HxCDF	ND	2.6	0.100	0
1,2,3,6,7,8-HxCDF	ND	2.1	0.100	0
2,3,4,6,7,8-HxCDF	ND	2.5	0.100	0
1,2,3,7,8,9-HxCDF	ND	2.7	0.100	0
Total HxCDF	7.1			
1,2,3,4,6,7,8-HpCDF	22		0.010	0.2200
1,2,3,4,7,8,9-HpCDF	ND	3.3	0.010	0
Total HpCDF	87			
OCDF	120		0.001	0.1200
Total TEQ Concentration				1.7400

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	81	40 - 135
13C-1,2,3,7,8-PeCDD	68	40 - 135
13C-1,2,3,6,7,8-HxCDD	95	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	78	40 - 135
13C-OCDD	74	40 - 135
13C-2,3,7,8-TCDF	80	40 - 135
13C-1,2,3,7,8-PeCDF	74	40 - 135
13C-1,2,3,4,7,8-HxCDF	82	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	82	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

OP-TECH Environmental Services
NYS DEC Camp Georgetown
3248 Crumb Hill Road
Georgetown, NY

Post Excavation Sampling
TOTAL SAMPLES =

AOC I
1

Compounds	Remediation Goals	AOC -I Bottom #1									
benzo (a) anthracene	1 ppm	ND									
bis (2-ethylhexyl) phthalate	50 ppm	ND									
pentachlorophenol	0.8 ppm	ND									
arsenic	13 ppm	9.5									
chromium	30 ppm	18.9									
copper	50 ppm	14.6									
2,3,7,8-TCDD TEQ	1 ppb	0.016									

ND = Non-Detect
 Bold and Yellow=
 Exceedance

OP-TECH Environmental Services
NYS DEC Camp Georgetown
3248 Crumb Hill Road
Georgetown, NY

Post Excavation Sampling

AOC I

Compounds	Remediation Goals	AOC -I Bottom #1
benzo (a) anthracene	1 ppm	ND
bis (2-ethylhexyl) phthalate	50 ppm	ND
pentachlorophenol	0.8 ppm	ND
arsenic	13 ppm	9.5
chromium	30 ppm	18.9
copper	50 ppm	14.6
2,3,7,8-TCDD TEQ	1 ppb	0.016

ND = Non-Detect

Bold and Yellow=

Exceedance

SDG NARRATIVE

Job#: A08-B221

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-B221

Sample Cooler(s) were received at the following temperature(s); 7@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

Linear regression was used to calibrate analytes that were greater than 15% RSD in the initial calibration A8I0000662.

The continuing calibration verification standard A8C0002325 exhibited the percent Difference (%D) as greater than 20% on the Form VII for the analyte Pentachlorophenol. However since this analyte was calibrated using linear regression, the CCV must be evaluated using %Drift rather than %Difference. The CCV demonstrated %Drift of 16.9%. No corrective action was required.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8B22102	AOC-D WESTWALL#6	SOIL	09/12/2008	15:44	09/13/2008	09:15
A8B22101	AOC-I BOTTOM	SOIL	09/12/2008	11:30	09/13/2008	09:15

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-B221

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: AOC-I BOTTOM

Date Received: 09/13/2008

Lab Sample ID: A8B22101

Project No: NY5A9454

Date Collected: 09/12/2008

Client No: 135066

Time Collected: 11:30

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	09/15/2008	20:04	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	09/15/2008	20:04	MD
Pentachlorophenol	ND		380	UG/KG	8270	09/15/2008	20:04	MD
Metals Analysis								
Arsenic - Total	9.5		2.4	MG/KG	6010	09/15/2008	19:08	
Chromium - Total	18.9		0.60	MG/KG	6010	09/15/2008	19:08	
Copper - Total	14.6		1.2	MG/KG	6010	09/15/2008	19:08	

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-I BOTTOM

Lot-Sample #...: G8I130197 - 001
 Date Sampled...: 09/12/08
 Prep Date.....: 09/15/08
 Prep Batch #...: 8259313

Work Order #...: KWV351AC
 Date Received...: 09/13/08
 Analysis Date...: 09/18/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 11

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	3.8	1.000	0
Total TCDD	ND	3.8		0
1,2,3,7,8-PeCDD	ND	6.5	0.500	0
Total PeCDD	ND	6.5		0
1,2,3,4,7,8-HxCDD	ND	6.9	0.100	0
1,2,3,6,7,8-HxCDD	ND	17	0.100	0
1,2,3,7,8,9-HxCDD	ND	5.7	0.100	0
Total HxCDD	ND	25		0
1,2,3,4,6,7,8-HpCDD	780		0.010	7.8000
Total HpCDD	1100			
OCDD	6400		0.001	6.4000
2,3,7,8-TCDF	ND	2.2	0.100	0
Total TCDF	ND	2.2		0
1,2,3,7,8-PeCDF	ND	4.6	0.050	0
2,3,4,7,8-PeCDF	ND	4.9	0.500	0
Total PeCDF	ND	4.9		0
1,2,3,4,7,8-HxCDF	ND	5.9	0.100	0
1,2,3,6,7,8-HxCDF	ND	4.9	0.100	0
2,3,4,6,7,8-HxCDF	ND	5.8	0.100	0
1,2,3,7,8,9-HxCDF	ND	6.5	0.100	0
Total HxCDF	70			
1,2,3,4,6,7,8-HpCDF	120		0.010	1.2000
1,2,3,4,7,8,9-HpCDF	ND	11	0.010	0
Total HpCDF	540			
OCDF	790		0.001	0.7900
Total TEQ Concentration				16.1900

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	83	40 - 135
13C-1,2,3,7,8-PeCDD	75	40 - 135
13C-1,2,3,6,7,8-HxCDD	84	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	80	40 - 135
13C-OCDD	90	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	77	40 - 135
13C-1,2,3,4,7,8-HxCDF	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	89	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

OP-TECH Environmental Services
NYS DEC Camp Georgetown
3248 Crumb Hill Road
Georgetown, NY

Post Excavation Sampling
TOTAL SAMPLES =

AOC J

1

Compounds	Remediation Goals	AOC -J Bottom #1									
benzo (a) anthracene	1 ppm	0.01									
bis (2-ethylhexyl) phthalate	50 ppm	ND									
pentachlorophenol	0.8 ppm	0.38									
arsenic	13 ppm	9									
chromium	30 ppm	19.2									
copper	50 ppm	14.8									
2,3,7,8-TCDD TEQ	1 ppb	0.113									

ND = Non-Detect

Bold and Yellow=

Exceedance

OP-TECH Environmental Services
NYS DEC Camp Georgetown
3248 Crumb Hill Road
Georgetown, NY

Post Excavation Sampling

AOC J

Compounds	Remediation Goals	AOC -J Bottom #1
benzo (a) anthracene	1 ppm	0.01
bis (2-ethylhexyl) phthalate	50 ppm	ND
pentachlorophenol	0.8 ppm	0.38
arsenic	13 ppm	9
chromium	30 ppm	19.2
copper	50 ppm	14.8
2,3,7,8-TCDD TEQ	1 ppb	0.113

ND = Non-Detect

Bold and Yellow=

Exceedance

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A45703	AOC-A BOTTOM 2	SOIL	08/26/2008	14:40	08/27/2008	09:00
A8A45702	AOC-A WESTWALL 4	SOIL	08/26/2008	14:30	08/27/2008	09:00
A8A45701	AOC-J BOTTOM 1	SOIL	08/26/2008	13:40	08/27/2008	09:00

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-A457

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: AOC-J BOTTOM 1

Date Received: 08/27/2008

Lab Sample ID: A8A45701

Project No: NY5A9454

Date Collected: 08/26/2008

Client No: 135066

Time Collected: 13:40

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	10	J	200		UG/KG	8270	09/03/2008	21:59	MD
Bis(2-ethylhexyl) phthalate	ND		200		UG/KG	8270	09/03/2008	21:59	MD
Pentachlorophenol	380	J	390		UG/KG	8270	09/03/2008	21:59	MD
Metals Analysis									
Arsenic - Total	9.0		2.4		MG/KG	6010	08/28/2008	18:43	
Chromium - Total	19.2		0.60		MG/KG	6010	08/28/2008	18:43	
Copper - Total	14.8		1.2		MG/KG	6010	08/28/2008	18:43	

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-J BOTTOM #1

Lot-Sample #...: G8H270180 - 002
 Date Sampled...: 08/26/08
 Prep Date.....: 08/27/08
 Prep Batch #...: 8240546

Work Order #...: KVVIM1AC
 Date Received..: 08/27/08
 Analysis Date..: 08/28/08
 Dilution Factor: 1

Matrix....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 16

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	4.5	1.000	0
Total TCDD	ND	4.5		0
1,2,3,7,8-PeCDD	ND	7.8	0.500	0
Total PeCDD	ND	7.8		0
1,2,3,4,7,8-HxCDD	ND	12	0.100	0
1,2,3,6,7,8-HxCDD	110		0.100	11.0000
1,2,3,7,8,9-HxCDD	ND	23	0.100	0
Total HxCDD	260			
1,2,3,4,6,7,8-HpCDD	4500		0.010	45.0000
Total HpCDD	6500			
OCDD	42000	B	0.001	42.0000
2,3,7,8-TCDF	ND	2.2	0.100	0
Total TCDF	ND	11		0
1,2,3,7,8-PeCDF	ND	2.5	0.050	0
2,3,4,7,8-PeCDF	ND	2.5	0.500	0
Total PeCDF	ND	23		0
1,2,3,4,7,8-HxCDF	ND	27	0.100	0
1,2,3,6,7,8-HxCDF	ND	3.6	0.100	0
2,3,4,6,7,8-HxCDF	ND	18	0.100	0
1,2,3,7,8,9-HxCDF	ND	4.9	0.100	0
Total HxCDF	580			
1,2,3,4,6,7,8-HpCDF	810		0.010	8.1000
1,2,3,4,7,8,9-HpCDF	54	J	0.010	0.5400
Total HpCDF	4300			
OCDF	6800		0.001	6.8000
Total TEQ Concentration				113.4400

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	73	40 - 135
13C-1,2,3,6,7,8-HxCDD	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 135
13C-OCDD	97	40 - 135
13C-2,3,7,8-TCDF	90	40 - 135
13C-1,2,3,7,8-PeCDF	77	40 - 135
13C-1,2,3,4,7,8-HxCDF	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-J BOTTOM #1

Trace Level Organic Compounds

Lot-Sample #...: G8H270180-002 Work Order #...: KVV1M1AC Matrix.....: SOLID
 Date Sampled...: 08/26/08 Date Received...: 08/27/08
 Prep Date.....: 08/27/08 Analysis Date...: 08/28/08
 Prep Batch #...: 8240546
 Dilution Factor: 1
 % Moisture.....: 16

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	4.5	pg/g	SW846 8290
Total TCDD	ND	4.5	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	7.8	pg/g	SW846 8290
Total PeCDD	ND	7.8	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	12	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	110		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	23	pg/g	SW846 8290
Total HxCDD	260		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	4500		pg/g	SW846 8290
Total HpCDD	6500		pg/g	SW846 8290
OCDD	42000 B		pg/g	SW846 8290
2,3,7,8-TCDF	ND	2.2	pg/g	SW846 8290
Total TCDF	ND	11	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	2.5	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.5	pg/g	SW846 8290
Total PeCDF	ND	23	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	27	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	3.6	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	18	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	4.9	pg/g	SW846 8290
Total HxCDF	580		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	810		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	54 J		pg/g	SW846 8290
Total HpCDF	4300		pg/g	SW846 8290
OCDF	6800		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	73	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	97	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
13C-1,2,3,7,8-PeCDF	77	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-J BOTTOM #1

General Chemistry

Lot-Sample #...: G8H270180-002 Work Order #...: KVV1M Matrix.....: SOLID
Date Sampled...: 08/26/08 Date Received...: 08/27/08
% Moisture.....: 16

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	16.2	0.10	%	ASTM D 2216-90	08/29/08	8242327
		Dilution Factor: 1		MDL.....: 0.10		

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H270180
 MB Lot-Sample #: G8H280000-249

Work Order #...: KVX851AA

Matrix.....: WATER

Prep Date.....: 08/27/08

Analysis Date...: 08/29/08

Prep Batch #...: 8241249

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
2,3,7,8-TCDD	ND	1.7	pg/L	EPA-5 1613B
Total TCDD	ND	1.7	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	2.4	pg/L	EPA-5 1613B
Total PeCDD	ND	2.4	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	0.65	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.62	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	0.57	pg/L	EPA-5 1613B
Total HxCDD	ND	0.65	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	3.2	pg/L	EPA-5 1613B
Total HpCDD	ND	3.2	pg/L	EPA-5 1613B
OCDD	ND	10	pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	2.4	pg/L	EPA-5 1613B
Total TCDF	ND	2.4	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	0.64	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	0.71	pg/L	EPA-5 1613B
Total PeCDF	ND	1.4	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	1.3	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.39	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.39	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.49	pg/L	EPA-5 1613B
Total HxCDF	ND	1.3	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	1.8	pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.66	pg/L	EPA-5 1613B
Total HpCDF	ND	1.8	pg/L	EPA-5 1613B
OCDF	ND	2.4	pg/L	EPA-5 1613B

(Continued on next page)

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H270180

Work Order #...: KVX851AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
	PERCENT	RECOVERY		
<u>INTERNAL STANDARDS</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
13C-2,3,7,8-TCDD	44	(25 - 164)		
13C-1,2,3,7,8-PeCDD	53	(25 - 181)		
13C-1,2,3,4,7,8-HxCDD	48	(32 - 141)		
13C-1,2,3,6,7,8-HxCDD	54	(28 - 130)		
13C-1,2,3,4,6,7,8-HpCDD	60	(23 - 140)		
13C-OCDD	64	(17 - 157)		
13C-2,3,7,8-TCDF	56	(24 - 169)		
13C-1,2,3,7,8-PeCDF	55	(24 - 185)		
13C-2,3,4,7,8-PeCDF	57	(21 - 178)		
13C-1,2,3,6,7,8-HxCDF	46	(26 - 123)		
13C-2,3,4,6,7,8-HxCDF	48	(28 - 136)		
13C-1,2,3,7,8,9-HxCDF	53	(29 - 147)		
13C-1,2,3,4,6,7,8-HpCDF	55	(28 - 143)		
13C-1,2,3,4,7,8,9-HpCDF	53	(26 - 138)		
13C-1,2,3,4,7,8-HxCDF	49	(26 - 152)		
	PERCENT	RECOVERY		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
37C14-2,3,7,8-TCDD	79	(35 - 197)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H270180 Work Order #...: K VX851AC Matrix.....: WATER
 LCS Lot-Sample#: G8H280000-249
 Prep Date.....: 08/27/08 Analysis Date...: 08/29/08
 Prep Batch #...: 8241249
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	122	(67 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDD	119	(70 - 142)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	100	(70 - 164)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	100	(76 - 134)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	101	(64 - 162)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	93	(70 - 140)	EPA-5 1613B
OCDD	93	(78 - 144)	EPA-5 1613B
2,3,7,8-TCDF	88	(75 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDF	100	(80 - 134)	EPA-5 1613B
2,3,4,7,8-PeCDF	99	(68 - 160)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	100	(72 - 134)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	100	(84 - 130)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	102	(70 - 156)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	101	(78 - 130)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	98	(82 - 122)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	102	(78 - 138)	EPA-5 1613B
OCDF	93	(63 - 170)	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H270180 Work Order #...: K VX851AC Matrix.....: WATER
 LCS Lot-Sample#: G8H280000-249

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	38	(25 - 164)
13C-1,2,3,7,8-PeCDD	42	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	44	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	41	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	50	(23 - 140)
13C-OCDD	55	(17 - 157)
13C-2,3,7,8-TCDF	45	(24 - 169)
13C-1,2,3,7,8-PeCDF	43	(24 - 185)
13C-2,3,4,7,8-PeCDF	47	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	37	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	39	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	45	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	45	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	44	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	40	(26 - 152)
<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
37C14-2,3,7,8-TCDD	78	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H270180 Work Order #...: K VX851AC Matrix.....: WATER
 LCS Lot-Sample#: G8H280000-249
 Prep Date.....: 08/27/08 Analysis Date...: 08/29/08
 Prep Batch #...: 8241249
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	243	pg/L	122	EPA-5 1613B
1,2,3,7,8-PeCDD	1000	1190	pg/L	119	EPA-5 1613B
1,2,3,4,7,8-HxCDD	1000	998	pg/L	100	EPA-5 1613B
1,2,3,6,7,8-HxCDD	1000	998	pg/L	100	EPA-5 1613B
1,2,3,7,8,9-HxCDD	1000	1010	pg/L	101	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	1000	931	pg/L	93	EPA-5 1613B
OCDD	2000	1850	pg/L	93	EPA-5 1613B
2,3,7,8-TCDF	200	176	pg/L	88	EPA-5 1613B
1,2,3,7,8-PeCDF	1000	997	pg/L	100	EPA-5 1613B
2,3,4,7,8-PeCDF	1000	988	pg/L	99	EPA-5 1613B
1,2,3,4,7,8-HxCDF	1000	998	pg/L	100	EPA-5 1613B
1,2,3,6,7,8-HxCDF	1000	1000	pg/L	100	EPA-5 1613B
2,3,4,6,7,8-HxCDF	1000	1020	pg/L	102	EPA-5 1613B
1,2,3,7,8,9-HxCDF	1000	1010	pg/L	101	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	1000	977	pg/L	98	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	1000	1020	pg/L	102	EPA-5 1613B
OCDF	2000	1860	pg/L	93	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H270180 **Work Order #...**: K VX851AC **Matrix.....**: WATER
LCS Lot-Sample#: G8H280000-249

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	38	(25 - 164)
13C-1,2,3,7,8-PeCDD	42	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	44	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	41	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	50	(23 - 140)
13C-OCDD	55	(17 - 157)
13C-2,3,7,8-TCDF	45	(24 - 169)
13C-1,2,3,7,8-PeCDF	43	(24 - 185)
13C-2,3,4,7,8-PeCDF	47	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	37	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	39	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	45	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	45	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	44	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	40	(26 - 152)
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37C14-2,3,7,8-TCDD	78	(35 - 197)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H270180
 MB Lot-Sample #: G8H270000-546

Work Order #...: KVV231AA

Matrix.....: SOLID

Prep Date.....: 08/27/08

Analysis Date...: 08/28/08

Prep Batch #...: 8240546

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.41	pg/g	SW846 8290
Total TCDD	ND	0.41	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.90	pg/g	SW846 8290
Total PeCDD	ND	0.90	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	1.3	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	1.1	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	1.1	pg/g	SW846 8290
Total HxCDD	ND	1.3	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	1.9	pg/g	SW846 8290
Total HpCDD	ND	1.9	pg/g	SW846 8290
OCDD	11		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.27	pg/g	SW846 8290
Total TCDF	ND	0.27	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.52	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.51	pg/g	SW846 8290
Total PeCDF	ND	0.52	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.62	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.51	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.59	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.70	pg/g	SW846 8290
Total HxCDF	ND	0.70	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	1.0	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	1.2	pg/g	SW846 8290
Total HpCDF	ND	1.5	pg/g	SW846 8290
OCDF	ND	0.68	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	68	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	98	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	90	(40 - 135)
13C-OCDD	75	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
13C-1,2,3,7,8-PeCDF	73	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	94	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H270180 Work Order #...: KVV231AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H270000-546
 Prep Date.....: 08/27/08 Analysis Date...: 08/28/08
 Prep Batch #...: 8240546
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	102	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	102	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	102	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	103	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	102	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	102	(82 - 134)	SW846 8290
OCDD	107	(74 - 144)	SW846 8290
2,3,7,8-TCDF	95	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	98	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	93	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	96	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	112	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	114	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	100	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	97	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	88	(78 - 130)	SW846 8290
OCDF	101	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	84	(40 - 135)
13C-1,2,3,7,8-PeCDD	64	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	99	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
13C-OCDD	83	(40 - 135)
13C-2,3,7,8-TCDF	89	(40 - 135)
13C-1,2,3,7,8-PeCDF	70	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H270180 Work Order #...: KVV231AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H270000-546
 Prep Date.....: 08/27/08 Analysis Date...: 08/28/08
 Prep Batch #...: 8240546
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	20.3	pg/g	102	SW846 8290
1,2,3,7,8-PeCDD	100	102	pg/g	102	SW846 8290
1,2,3,4,7,8-HxCDD	100	102	pg/g	102	SW846 8290
1,2,3,6,7,8-HxCDD	100	103	pg/g	103	SW846 8290
1,2,3,7,8,9-HxCDD	100	102	pg/g	102	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	102	pg/g	102	SW846 8290
OCDD	200 B	213	pg/g	107	SW846 8290
2,3,7,8-TCDF	20.0	19.0	pg/g	95	SW846 8290
1,2,3,7,8-PeCDF	100	98.3	pg/g	98	SW846 8290
2,3,4,7,8-PeCDF	100	93.0	pg/g	93	SW846 8290
1,2,3,4,7,8-HxCDF	100	95.5	pg/g	96	SW846 8290
1,2,3,6,7,8-HxCDF	100	112	pg/g	112	SW846 8290
2,3,4,6,7,8-HxCDF	100	114	pg/g	114	SW846 8290
1,2,3,7,8,9-HxCDF	100	100	pg/g	100	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	96.7	pg/g	97	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	88.4	pg/g	88	SW846 8290
OCDF	200	203	pg/g	101	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	84	(40 - 135)
13C-1,2,3,7,8-PeCDD	64	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	99	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	93	(40 - 135)
13C-OCDD	83	(40 - 135)
13C-2,3,7,8-TCDF	89	(40 - 135)
13C-1,2,3,7,8-PeCDF	70	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G8H270180

Work Order #...: KVQ09-SMP
KVQ09-DUP

Matrix.....: SOLID

Date Sampled...: 08/19/08

Date Received...: 08/25/08

% Moisture.....: 78

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	78.5	78.2	%	0.34	(0-20)	ASTM D 2216-90	SD Lot-Sample #: G8H250208-001 08/29/08	8242327
Dilution Factor: 1								

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC K

Post Excavation Sampling

TOTAL SAMPLES = 5

Compounds	Remediation Goals	AOC-K Bottom 1	AOC-K North Wall 1	AOC-K South Wall 1	AOC-K West Wall 1	AOC-K West Wall 2			
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND			
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND			
pentachlorophenol	0.8 ppm	ND	0.42	ND	ND	ND			
arsenic	13 ppm	8	5.9	8.6	6.7	7.6			
chromium	30 ppm	14.3	15.1	18	11.3	17.8			
copper	50 ppm	12.8	7.1	14.5	11.4	13.4			
2,3,7,8-TCDD TEQ	1 ppb	0.00097	0.0094	0.047	0.00008	0.0018			

ND = Non-Detect
 Bold and Yellow=
 Exceedance

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC-L

Post Excavation Sampling
 TOTAL SAMPLES =

6

Compounds	Remediation Goals	AOC-L Bottom	AOC-L East Wall	AOC-L North Wall	AOC-L South Wall	AOC-L Bottom#1 F.O.#10	AOC-L South Wall #1 F.O.#10
benzo (a) anthracene	1 ppm	0.015	ND	ND	ND		ND
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND		
pentachlorophenol	0.8 ppm	2.2	0.14	ND	4.9	ND	0.28
arsenic	13 ppm	10.2	7.2	8.8	9.5		
chromium	30 ppm	16.4	15.1	15.1	16.9		
copper	50 ppm	20.1	12.4	13	14.6		
2,3,7,8-TCDD TEQ	1 ppb	0.15	0.011	0.0002	0.054		

ND = Non-Detect
 Bold and Yellow=
 Exceedance

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC-L

Post Excavation Sampling

Compounds	Remediation Goals	AOC-L Bottom	AOC-L East Wall	AOC-L North Wall	AOC-L South Wall							
benzo (a) anthracene	1 ppm	0.015	ND	ND	ND							
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND							
pentachlorophenol	0.8 ppm	2.2	0.14	ND	4.9							
arsenic	13 ppm	10.2	7.2	8.8	9.5							
chromium	30 ppm	16.4	15.1	15.1	16.9							
copper	50 ppm	20.1	12.4	13	14.6							
2,3,7,8-TCDD TEQ	1 ppb	0.15	0.011	0.0002	0.054							

ND = Non-Detect
 Bold and Yellow=
 Exceedance

ANALYTICAL REPORT

Job#: A08-9556

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



FOR: Richard Lafond
Project Manager

08/15/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8955604	AOC-L BOTTOM	SOIL	08/06/2008	15:27	08/07/2008	09:15
A8955603	AOC-L EAST WALL	SOIL	08/06/2008	10:00	08/07/2008	09:15
A8955601	AOC-L NORTH WALL	SOIL	08/06/2008	13:00	08/07/2008	09:15
A8955602	AOC-L SOUTH WALL	SOIL	08/06/2008	14:10	08/07/2008	09:15

METHODS SUMMARY

Job#: A08-9556Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9556Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9556

Sample Cooler(s) were received at the following temperature(s); 7 @ 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
A0C-L SOUTH WALL	A8955602	8270	10.00	012

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: AOC-L BOTTOM

Lab Sample ID: A8955604

Date Collected: 08/06/2008

Time Collected: 15:27

Date Received: 08/07/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	15	J	190		UG/KG	8270	08/11/2008	23:18	JLG
Bis(2-ethylhexyl) phthalate	ND		190		UG/KG	8270	08/11/2008	23:18	JLG
Pentachlorophenol	2200		370		UG/KG	8270	08/11/2008	23:18	JLG
Metals Analysis									
Arsenic - Total	10.2		2.3		MG/KG	6010	08/08/2008	19:13	TWS
Chromium - Total	16.4		0.58		MG/KG	6010	08/08/2008	19:13	TWS
Copper - Total	20.1		1.2		MG/KG	6010	08/08/2008	19:13	TWS

Sample ID: AOC-L EAST WALL

Lab Sample ID: A8955603

Date Collected: 08/06/2008

Time Collected: 10:00

Date Received: 08/07/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		190		UG/KG	8270	08/11/2008	22:55	JLG
Bis(2-ethylhexyl) phthalate	ND		190		UG/KG	8270	08/11/2008	22:55	JLG
Pentachlorophenol	140	J	370		UG/KG	8270	08/11/2008	22:55	JLG
Metals Analysis									
Arsenic - Total	7.2		2.4		MG/KG	6010	08/08/2008	19:08	TWS
Chromium - Total	15.1		0.60		MG/KG	6010	08/08/2008	19:08	TWS
Copper - Total	12.4		1.2		MG/KG	6010	08/08/2008	19:08	TWS

Sample ID: AOC-L NORTH WALL

Lab Sample ID: A8955601

Date Collected: 08/06/2008

Time Collected: 13:00

Date Received: 08/07/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		190	UG/KG	8270	08/11/2008	22:09	JLG
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/11/2008	22:09	JLG
Pentachlorophenol	ND		380	UG/KG	8270	08/11/2008	22:09	JLG
Metals Analysis								
Arsenic - Total	8.8		2.3	MG/KG	6010	08/08/2008	18:58	TWS
Chromium - Total	15.1		0.57	MG/KG	6010	08/08/2008	18:58	TWS
Copper - Total	13.0		1.1	MG/KG	6010	08/08/2008	18:58	TWS

Sample ID: AOC-L SOUTH WALL

Lab Sample ID: A8955602

Date Collected: 08/06/2008

Time Collected: 14:10

Date Received: 08/07/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL-SW8463 8270 - SVOA ORGANICS (AOC LIST)								
Benzo(a)anthracene	ND		2000	UG/KG	8270	08/11/2008	22:32	JLG
Bis(2-ethylhexyl) phthalate	ND		2000	UG/KG	8270	08/11/2008	22:32	JLG
Pentachlorophenol	4900		3900	UG/KG	8270	08/11/2008	22:32	JLG
Metals Analysis								
Arsenic - Total	9.5		2.5	MG/KG	6010	08/08/2008	19:03	TWS
Chromium - Total	16.9		0.62	MG/KG	6010	08/08/2008	19:03	TWS
Copper - Total	14.6		1.2	MG/KG	6010	08/08/2008	19:03	TWS

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client CP-Tech	Project Manager Tom Rengert	Date 8/6/08	Chain of Custody Number 395150
Address 6392 Deere Rd	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1

City SYRACUSE	State NY	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)
-------------------------	--------------------	----------	--------------	-------------	------------------------------------------------

Project Name and Location (State) Camp George TOWN / Post Excavation Sample	Carrier/Waybill Number	Special Instructions/ Conditions of Receipt
---------------------------------------------------------------------------------------	------------------------	------------------------------------------------

Contract/Purchase Order/Quote No. SDCRO011	Matrix	Containers & Preservatives
------------------------------------------------------	--------	----------------------------

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						SVOC-8270C	Metal 6D10B	Dioxins	-PCDDs	Furans	-PCDF	-8290	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH								
AOC-L North wall	8/6/08	1:00				X	X													
AOC-L South wall	8/6/08	2:10				X	X													
AOC-L EAST wall	8/6/08	10:00				X	X													
AOC-L BOTTOM	8/6/08	3:27				X	X													

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	Sample Disposal <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	(A fee may be assessed if samples are retained longer than 1 month)
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------

Turn Around Time Required <input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	QC Requirements (Specify) Category A
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------

1. Relinquished By <i>[Signature]</i>	Date 8/6/08	Time 3:46	1. Received By <i>[Signature]</i>	Date 8/6/08	Time 3:46
2. Relinquished By <i>[Signature]</i>	Date 8/6/08	Time 1700	2. Received By <i>[Signature]</i>	Date 8/6/08	Time 1700
3. Relinquished By <i>[Signature]</i>	Date 8/6/08	Time 1900	3. Received By <i>[Signature]</i>	Date 8-7-08	Time 0915

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

7020²

12/12

OP-TECH Environmental

Client Sample ID: AOC-L NORTH WALL

Trace Level Organic Compounds

Lot-Sample #...: G8H070189-001 Work Order #...: KTQ281AC Matrix.....: SOLID
 Date Sampled...: 08/06/08 Date Received...: 08/07/08
 Prep Date.....: 08/07/08 Analysis Date...: 08/14/08
 Prep Batch #...: 8220427
 Dilution Factor: 1
 % Moisture.....: 10

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.19	pg/g	SW846 8290
Total TCDD	ND	0.19	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.31	pg/g	SW846 8290
Total PeCDD	ND	0.31	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.25	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.29	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.24	pg/g	SW846 8290
Total HxCDD	ND	0.51	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	10 J		pg/g	SW846 8290
Total HpCDD	10		pg/g	SW846 8290
OCDD	80		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.054	pg/g	SW846 8290
Total TCDF	ND	0.054	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.094	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.099	pg/g	SW846 8290
Total PeCDF	ND	0.12	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.087	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.070	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.12	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.092	pg/g	SW846 8290
Total HxCDF	ND	0.92	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	2.2	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.15	pg/g	SW846 8290
Total HpCDF	6.3		pg/g	SW846 8290
OCDF	11 J		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	78	(40 - 135)
13C-1,2,3,7,8-PeCDD	64	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	77	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	100	(40 - 135)
13C-OCDD	98	(40 - 135)
13C-2,3,7,8-TCDF	76	(40 - 135)
13C-1,2,3,7,8-PeCDF	62	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	64	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	95	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

PRELIMINARY RESULTS

OP-TECH Environmental Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-L NORTH WALL

Lot-Sample #...: G8H070189 - 001
Date Sampled...: 08/06/08
Prep Date.....: 08/07/08
Prep Batch #...: 8220427

Work Order #...: KTQ281AC
Date Received...: 08/07/08
Analysis Date...: 08/14/08
Dilution Factor: 1

Matrix....: SOLID
Instrument: 4D5
Units.....: pg/g
% Moisture: 10

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.19	1.000	0
Total TCDD	ND	0.19		0
1,2,3,7,8-PeCDD	ND	0.31	0.500	0
Total PeCDD	ND	0.31		0
1,2,3,4,7,8-HxCDD	ND	0.25	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.29	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.24	0.100	0
Total HxCDD	ND	0.51		0
1,2,3,4,6,7,8-HpCDD	10 J		0.010	0.1000
Total HpCDD	10			
OCDD	80		0.001	0.0800
2,3,7,8-TCDF	ND	0.054	0.100	0
Total TCDF	ND	0.054		0
1,2,3,7,8-PeCDF	ND	0.094	0.050	0
2,3,4,7,8-PeCDF	ND	0.099	0.500	0
Total PeCDF	ND	0.12		0
1,2,3,4,7,8-HxCDF	ND	0.087	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.070	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.12	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.092	0.100	0
Total HxCDF	ND	0.92		0
1,2,3,4,6,7,8-HpCDF	ND	2.2	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.15	0.010	0
Total HpCDF	6.3			
OCDF	11 J		0.001	0.0110
Total TEQ Concentration				0.1910

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	78	40 - 135
13C-1,2,3,7,8-PeCDD	64	40 - 135
13C-1,2,3,6,7,8-HxCDD	77	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	100	40 - 135
13C-OCDD	98	40 - 135
13C-2,3,7,8-TCDF	76	40 - 135
13C-1,2,3,7,8-PeCDF	62	40 - 135
13C-1,2,3,4,7,8-HxCDF	64	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	95	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-L SOUTH WALL

Trace Level Organic Compounds

Lot-Sample #...: G8H070189-002 Work Order #...: KTQ3C1AC Matrix.....: SOLID
 Date Sampled...: 08/06/08 Date Received...: 08/07/08
 Prep Date.....: 08/07/08 Analysis Date...: 08/14/08
 Prep Batch #...: 8220427
 Dilution Factor: 1
 % Moisture.....: 12

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.28	pg/g	SW846 8290
Total TCDD	ND	0.73	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	1.8	pg/g	SW846 8290
Total PeCDD	ND	1.8	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	4.5	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	57		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	16		pg/g	SW846 8290
Total HxCDD	140		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	2100		pg/g	SW846 8290
Total HpCDD	2900		pg/g	SW846 8290
OCDD	18000 E		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.76	pg/g	SW846 8290
Total TCDF	ND	0.97	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	1.9	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	1.8	pg/g	SW846 8290
Total PeCDF	ND	5.6	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	16		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	6.4 J		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	5.8 J		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.69	pg/g	SW846 8290
Total HxCDF	310		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	310		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	33		pg/g	SW846 8290
Total HpCDF	1600		pg/g	SW846 8290
OCDF	1800		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	65	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	79	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	104	(40 - 135)
13C-OCDD	128	(40 - 135)
13C-2,3,7,8-TCDF	83	(40 - 135)
13C-1,2,3,7,8-PeCDF	62	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	71	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	97	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than the reporting limit.

PRELIMINARY RESULTS

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-L SOUTH WALL

Lot-Sample #...: G8H070189 - 002
 Date Sampled...: 08/06/08
 Prep Date.....: 08/07/08
 Prep Batch #...: 8220427

Work Order #...: KTQ3C1AC
 Date Received...: 08/07/08
 Analysis Date...: 08/14/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 12

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.28	1.000	0
Total TCDD	ND	0.73		0
1,2,3,7,8-PeCDD	ND	1.8	0.500	0
Total PeCDD	ND	1.8		0
1,2,3,4,7,8-HxCDD	ND	4.5	0.100	0
1,2,3,6,7,8-HxCDD	57		0.100	5.7000
1,2,3,7,8,9-HxCDD	16		0.100	1.6000
Total HxCDD	140			
1,2,3,4,6,7,8-HpCDD	2100		0.010	21.0000
Total HpCDD	2900			
OCDD	18000 E		0.001	18.0000
2,3,7,8-TCDF	ND	0.76	0.100	0
Total TCDF	ND	0.97		0
1,2,3,7,8-PeCDF	ND	1.9	0.050	0
2,3,4,7,8-PeCDF	ND	1.8	0.500	0
Total PeCDF	ND	5.6		0
1,2,3,4,7,8-HxCDF	16		0.100	1.6000
1,2,3,6,7,8-HxCDF	6.4 J		0.100	0.6400
2,3,4,6,7,8-HxCDF	5.8 J		0.100	0.5800
1,2,3,7,8,9-HxCDF	ND	0.69	0.100	0
Total HxCDF	310			
1,2,3,4,6,7,8-HpCDF	310		0.010	3.1000
1,2,3,4,7,8,9-HpCDF	33		0.010	0.3300
Total HpCDF	1600			
OCDF	1800		0.001	1.8000
Total TEQ Concentration				54.3500

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	65	40 - 135
13C-1,2,3,6,7,8-HxCDD	79	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	104	40 - 135
13C-OCDD	128	40 - 135
13C-2,3,7,8-TCDF	83	40 - 135
13C-1,2,3,7,8-PeCDF	62	40 - 135
13C-1,2,3,4,7,8-HxCDF	71	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	97	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-L EAST WALL

Trace Level Organic Compounds

Lot-Sample #...: G8H070189-003 Work Order #...: KTQ3D1AC Matrix.....: SOLID
 Date Sampled...: 08/06/08 Date Received...: 08/07/08
 Prep Date.....: 08/07/08 Analysis Date...: 08/14/08
 Prep Batch #...: 8220427
 Dilution Factor: 1
 % Moisture.....: 10

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.21	pg/g	SW846 8290
Total TCDD	ND	0.21	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.36	pg/g	SW846 8290
Total PeCDD	ND	0.36	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.30	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	7.5 J		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	1.1	pg/g	SW846 8290
Total HxCDD	14		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	420		pg/g	SW846 8290
Total HpCDD	620		pg/g	SW846 8290
OCDD	5500		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.072	pg/g	SW846 8290
Total TCDF	1.4		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.21	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.11	pg/g	SW846 8290
Total PeCDF	ND	0.48	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	2.0	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.52	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.18	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.21	pg/g	SW846 8290
Total HxCDF	33		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	39		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	4.7	pg/g	SW846 8290
Total HpCDF	220		pg/g	SW846 8290
OCDF	310		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	64	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	110	(40 - 135)
13C-OCDD	123	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	63	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	77	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	105	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

PRELIMINARY RESULTS

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-L EAST WALL

Lot-Sample #...: G8H070189 - 003
 Date Sampled...: 08/06/08
 Prep Date.....: 08/07/08
 Prep Batch #...: 8220427

Work Order #...: KTQ3D1AC
 Date Received...: 08/07/08
 Analysis Date...: 08/14/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 10

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.21	1.000	0
Total TCDD	ND	0.21		0
1,2,3,7,8-PeCDD	ND	0.36	0.500	0
Total PeCDD	ND	0.36		0
1,2,3,4,7,8-HxCDD	ND	0.30	0.100	0
1,2,3,6,7,8-HxCDD	7.5	J	0.100	0.7500
1,2,3,7,8,9-HxCDD	ND	1.1	0.100	0
Total HxCDD	14			
1,2,3,4,6,7,8-HpCDD	420		0.010	4.2000
Total HpCDD	620			
OCDD	5500		0.001	5.5000
2,3,7,8-TCDF	ND	0.072	0.100	0
Total TCDF	1.4			
1,2,3,7,8-PeCDF	ND	0.21	0.050	0
2,3,4,7,8-PeCDF	ND	0.11	0.500	0
Total PeCDF	ND	0.48		0
1,2,3,4,7,8-HxCDF	ND	2.0	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.52	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.18	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.21	0.100	0
Total HxCDF	33			
1,2,3,4,6,7,8-HpCDF	39		0.010	0.3900
1,2,3,4,7,8,9-HpCDF	ND	4.7	0.010	0
Total HpCDF	220			
OCDF	310		0.001	0.3100
Total TEQ Concentration				11.1500

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	64	40 - 135
13C-1,2,3,6,7,8-HxCDD	85	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	110	40 - 135
13C-OCDD	123	40 - 135
13C-2,3,7,8-TCDF	84	40 - 135
13C-1,2,3,7,8-PeCDF	63	40 - 135
13C-1,2,3,4,7,8-HxCDF	77	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	105	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: AOC-L BOTTOM

Trace Level Organic Compounds

Lot-Sample #...: G8H070189-004 Work Order #...: KTQ3F1AC Matrix.....: SOLID
 Date Sampled...: 08/06/08 Date Received...: 08/07/08
 Prep Date.....: 08/07/08 Analysis Date...: 08/14/08
 Prep Batch #...: 8220427
 Dilution Factor: 1
 % Moisture.....: 12

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.48	pg/g	SW846 8290
Total TCDD	ND	0.90	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	5.2	pg/g	SW846 8290
Total PeCDD	ND	5.2	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	11		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	180		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	40		pg/g	SW846 8290
Total HxCDD	450		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	6600 E		pg/g	SW846 8290
Total HpCDD	9300		pg/g	SW846 8290
OCDD	35000		pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.72	pg/g	SW846 8290
Total TCDF	1.5		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	4.1	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	3.5	pg/g	SW846 8290
Total PeCDF	26		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	38		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	13		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	13		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	1.3	pg/g	SW846 8290
Total HxCDF	1000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	1100		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	74		pg/g	SW846 8290
Total HpCDF	6700		pg/g	SW846 8290
OCDF	6200		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	80	(40 - 135)
13C-1,2,3,7,8-PeCDD	55	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	114	(40 - 135)
13C-OCDD	167 *	(40 - 135)
13C-2,3,7,8-TCDF	81	(40 - 135)
13C-1,2,3,7,8-PeCDF	54	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	94	(40 - 135)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

E Estimated result. Result concentration exceeds the calibration range.

* Surrogate recovery is outside stated control limits.

PRELIMINARY RESULTS

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: AOC-L BOTTOM

Lot-Sample #...: G8H070189 - 004
 Date Sampled...: 08/06/08
 Prep Date.....: 08/07/08
 Prep Batch #...: 8220427

Work Order #...: KTQ3F1AC
 Date Received...: 08/07/08
 Analysis Date...: 08/14/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 4D5
 Units.....: pg/g
 % Moisture: 12

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.48	1.000	0
Total TCDD	ND	0.90		0
1,2,3,7,8-PeCDD	ND	5.2	0.500	0
Total PeCDD	ND	5.2		0
1,2,3,4,7,8-HxCDD	11		0.100	1.1000
1,2,3,6,7,8-HxCDD	180		0.100	18.0000
1,2,3,7,8,9-HxCDD	40		0.100	4.0000
Total HxCDD	450			
1,2,3,4,6,7,8-HpCDD	6600 E		0.010	66.0000
Total HpCDD	9300			
OCDD	35000		0.001	35.0000
2,3,7,8-TCDF	ND	0.72	0.100	0
Total TCDF	1.5			
1,2,3,7,8-PeCDF	ND	4.1	0.050	0
2,3,4,7,8-PeCDF	ND	3.5	0.500	0
Total PeCDF	26			
1,2,3,4,7,8-HxCDF	38		0.100	3.8000
1,2,3,6,7,8-HxCDF	13		0.100	1.3000
2,3,4,6,7,8-HxCDF	13		0.100	1.3000
1,2,3,7,8,9-HxCDF	ND	1.3	0.100	0
Total HxCDF	1000			
1,2,3,4,6,7,8-HpCDF	1100		0.010	11.0000
1,2,3,4,7,8,9-HpCDF	74		0.010	0.7400
Total HpCDF	6700			
OCDF	6200		0.001	6.2000
Total TEQ Concentration				148.4400

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	80	40 - 135
13C-1,2,3,7,8-PeCDD	55	40 - 135
13C-1,2,3,6,7,8-HxCDD	80	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	114	40 - 135
13C-OCDD	167 *	40 - 135
13C-2,3,7,8-TCDF	81	40 - 135
13C-1,2,3,7,8-PeCDF	54	40 - 135
13C-1,2,3,4,7,8-HxCDF	75	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	94	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; PPA/625/3-89/016

* Surrogate recovery is outside stated control limits.

E Estimated result. Result concentration exceeds the calibration range.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H070189
 MB Lot-Sample #: G8H070000-427

Work Order #...: KTR2Q1AA

Matrix.....: SOLID

Prep Date.....: 08/07/08

Analysis Date...: 08/14/08

Prep Batch #...: 8220427

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.17	pg/g	SW846 8290
Total TCDD	ND	0.17	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.30	pg/g	SW846 8290
Total PeCDD	ND	0.30	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.12	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.093	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.090	pg/g	SW846 8290
Total HxCDD	ND	0.12	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.36	pg/g	SW846 8290
Total HpCDD	ND	0.36	pg/g	SW846 8290
OCDD	ND	3.5	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.051	pg/g	SW846 8290
Total TCDF	ND	0.051	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.088	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.092	pg/g	SW846 8290
Total PeCDF	ND	0.13	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.078	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.064	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.072	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.084	pg/g	SW846 8290
Total HxCDF	ND	0.084	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.12	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.10	pg/g	SW846 8290
Total HpCDF	ND	0.12	pg/g	SW846 8290
OCDF	ND	0.14	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	88	(40 - 135)
13C-1,2,3,7,8-PeCDD	82	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	83	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	92	(40 - 135)
13C-OCDD	91	(40 - 135)
13C-2,3,7,8-TCDF	87	(40 - 135)
13C-1,2,3,7,8-PeCDF	74	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	70	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	88	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H070189 Work Order #...: KTR2Q1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H070000-427
 Prep Date.....: 08/07/08 Analysis Date...: 08/14/08
 Prep Batch #...: 8220427
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	98	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	94	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	109	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	105	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	103	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	103	(82 - 134)	SW846 8290
OCDD	104	(74 - 144)	SW846 8290
2,3,7,8-TCDF	100	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	104	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	104	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	102	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	106	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	103	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	94	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	102	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	113	(78 - 130)	SW846 8290
OCDF	103	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	81	(40 - 135)
13C-1,2,3,7,8-PeCDD	83	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	79	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	76	(40 - 135)
13C-1,2,3,7,8-PeCDF	72	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	72	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H070189 Work Order #...: KTR2Q1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8H070000-427
 Prep Date.....: 08/07/08 Analysis Date...: 08/14/08
 Prep Batch #...: 8220427
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	40.0	39.2	pg/g	98	SW846 8290
1,2,3,7,8-PeCDD	200	188	pg/g	94	SW846 8290
1,2,3,4,7,8-HxCDD	200	218	pg/g	109	SW846 8290
1,2,3,6,7,8-HxCDD	200	211	pg/g	105	SW846 8290
1,2,3,7,8,9-HxCDD	200	206	pg/g	103	SW846 8290
1,2,3,4,6,7,8-HpCDD	200	207	pg/g	103	SW846 8290
OCDD	400	417	pg/g	104	SW846 8290
2,3,7,8-TCDF	40.0	40.2	pg/g	100	SW846 8290
1,2,3,7,8-PeCDF	200	208	pg/g	104	SW846 8290
2,3,4,7,8-PeCDF	200	207	pg/g	104	SW846 8290
1,2,3,4,7,8-HxCDF	200	204	pg/g	102	SW846 8290
1,2,3,6,7,8-HxCDF	200	213	pg/g	106	SW846 8290
2,3,4,6,7,8-HxCDF	200	205	pg/g	103	SW846 8290
1,2,3,7,8,9-HxCDF	200	188	pg/g	94	SW846 8290
1,2,3,4,6,7,8-HpCDF	200	203	pg/g	102	SW846 8290
1,2,3,4,7,8,9-HpCDF	200	225	pg/g	113	SW846 8290
OCDF	400	412	pg/g	103	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	81	(40 - 135)
13C-1,2,3,7,8-PeCDD	83	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	79	(40 - 135)
13C-OCDD	88	(40 - 135)
13C-2,3,7,8-TCDF	76	(40 - 135)
13C-1,2,3,7,8-PeCDF	72	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	72	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G8H070189

Work Order #...: KTL2M-SMP
KTL2M-DUP

Matrix.....: SOLID

Date Sampled...: 07/17/08

Date Received...: 08/05/08

% Moisture.....: 18

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>				<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	17.8	18.4	%	3.4	(0-20)	ASTM D 2216-90	SD Lot-Sample #: G8H050154-001	08/08-08/09/08	8221202

Dilution Factor: 1

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

AOC-L

Post Excavation Sampling

Compounds	Remediation Goals	AOC-L Bottom	AOC-L East Wall	AOC-L North Wall	AOC-L South Wall	AOC-L Bottom#1 F.O.#10	AOC-L South Wall #1 F.O.#10
benzo (a) anthracene	1 ppm	0.015	ND	ND	ND		ND
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND		
pentachlorophenol	0.8 ppm	2.2	0.14	ND	4.9	ND	0.28
arsenic	13 ppm	10.2	7.2	8.8	9.5		
chromium	30 ppm	16.4	15.1	15.1	16.9		
copper	50 ppm	20.1	12.4	13	14.6		
2,3,7,8-TCDD TEQ	1 ppb	0.15	0.011	0.0002	0.054		

ND = Non-Detect
 Bold and Yellow=
 Exceedance

Date: 09/11/2008

Time: 15:27:38

DEC OP TECH
Georgetown - Level IV

Page: 7

Rept: AN1178

Sample ID: AOC-L BOTTOM#1
Lab Sample ID: A8A70707
Date Collected: 09/02/2008
Time Collected: 10:00

Date Received: 09/03/2008
Project No: NY5A9454
Client No: 135066
Site No:

<u>Parameter</u>	<u>Result</u>	<u>Flag</u>	<u>Detection Limit</u>	<u>Units</u>	<u>Method</u>	<u>Date/Time Analyzed</u>	<u>Analyst</u>
SOIL - SW8463 - SEMIVOLATILES - 8270 (PCP ONL Pentachlorophenol	ND		360	UG/KG	8270	09/08/2008 14:06	AJ

DEC OP TECH
Georgetown - Level IV

Sample ID: AOC-L SOUTHWALL#1

Date Received: 09/03/2008

Lab Sample ID: A8A70708

Project No: NY5A9454

Date Collected: 09/02/2008

Client No: 135066

Time Collected: 10:15

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (PCP/BENZO								
Benzo(a)anthracene	ND		180	UG/KG	8270	09/08/2008	19:14	AJ
Pentachlorophenol	280	J	360	UG/KG	8270	09/08/2008	19:14	AJ

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

Test Pit #6

Post Excavation Sampling

TOTAL SAMPLES =

5

Compounds	Remediation Goals	TP#6 Bottom	TP#6 North Wall	TP#6 East Wall	TP#6 South Wall	TP#6 West Wall						
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND						
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND						
pentachlorophenol	0.8 ppm	0.62	ND	0.72	0.08	3.5						
arsenic	13 ppm	9.1	7.1	9.9	8.1	8.5						
chromium	30 ppm	17.1	19.5	21.6	16.9	17.9						
copper	50 ppm	14.7	15.5	19.5	14.9	17.9						
2,3,7,8-TCDD TEQ	1 ppb	0.066	0.0013	0	0.00059	0						

ND = Non-Detect

Bold and Yellow=

Exceedance

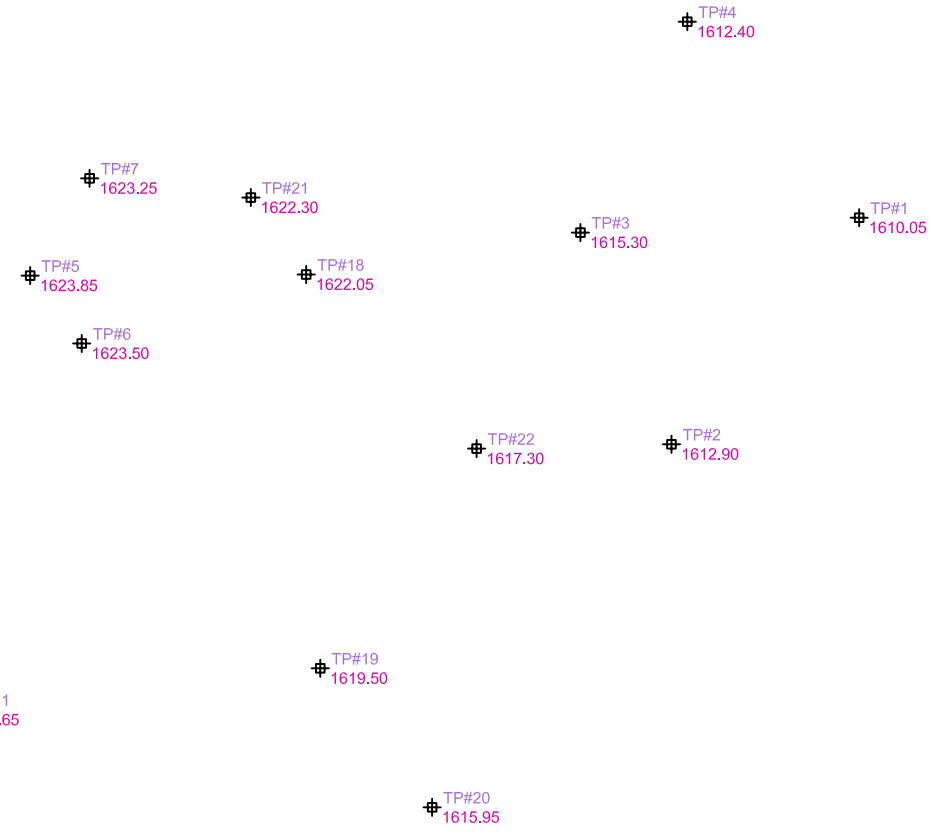
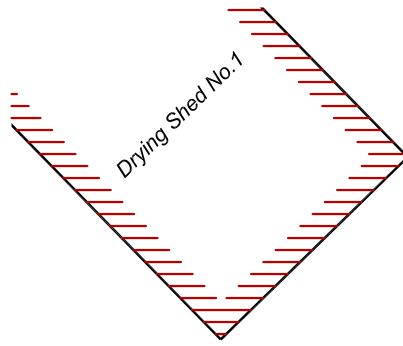
OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

Test Pit #6

Post Excavation Sampling

Compounds	Remediation Goals	TP#6 Bottom	TP#6 North Wall	TP#6 East Wall	TP#6 South Wall	TP#6 West Wall						
benzo (a) anthracene	1 ppm	ND	ND	ND	ND	ND						
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND	ND	ND	ND						
pentachlorophenol	0.8 ppm	0.62	ND	0.72	0.08	3.5						
arsenic	13 ppm	9.1	7.1	8.5	8.1	8.5						
chromium	30 ppm	17.1	19.5	19.4	16.9	17.9						
copper	50 ppm	14.7	15.5	14.3	14.9	17.9						
2,3,7,8-TCDD TEQ	1 ppb	0.066	0.0013									

ND = Non-Detect
 Bold and Yellow=
 Exceedance



Legend:

- Proposed Limit of Excavation
- Test Pit Location, Identifier, and Elevation

General Notes:

1. This survey is referenced horizontally to the North American Datum of 1983 (NAD83), projected on the New York State Plane Coordinate System (Central Zone) and vertically to the North American Vertical Datum of 1988 (NAVD88), as noted on Reference Drawing No. 1.
2. North arrow as shown indicates Grid North referenced to NAD83 and projected on the New York State Plane Coordinate System (Central Zone).
3. The information shown hereon is based on an instrument survey completed on August 6, 2008.

Reference Drawings:

1. Titled "Camp Georgetown Site Remedial Excavation NYSDEC Site 7-27-010", dated January 2008 and prepared by URS Corporation.

Unauthorized alteration or addition to a survey map bearing a licensed land surveyors seal is a violation of Section 7209, Subdivision 2 of the New York State Education Law.

Only copies from the original of this survey marked with an original of the surveyor's inked seal or his embossed seal shall be considered to be valid and true copies.

TEST PIT LOCATION PLAN

Camp Georgetown - NYSDEC Site No. 7-27-010
Town of Georgetown, County of Chenango, New York

Drawn N.D.G.	SCALE 1" = 30'	PROJECT No. UK210-06-08	DATE 8/07/08
CHECKED R.H.K.	Thew Associates PE-LS, PLLC <small>Principals: James S. Thew, PLS; Spencer F. Thew, PE-LS</small> <small>Land Surveyors - GPS Consultants</small> <small>www.ThewAssociates.com</small> <small>301 St. Anthony Street Ulica, New York 13501 T: 315/733-7278 F: 315/797-1957</small>		

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job#: A08-9703

Project#: NY5A9454

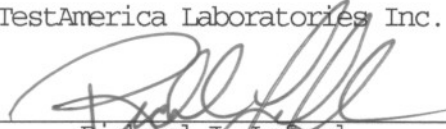
Site Name: DEC OP TECH

Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



Richard J. Lafond
Project Manager

08/15/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8970307	TEST PIT #11	SOIL	08/04/2008	09:38	08/09/2008	09:15
A8970308	TEST PIT #18	SOIL	08/05/2008	12:10	08/09/2008	09:15
A8970302	TEST PIT #2	SOIL	08/01/2008	10:12	08/09/2008	09:15
A8970309	TEST PIT #21	SOIL	08/05/2008	13:00	08/09/2008	09:15
A8970310	TEST PIT #22	SOIL	08/05/2008	13:30	08/09/2008	09:15
A8970303	TEST PIT #3	SOIL	08/01/2008	10:40	08/09/2008	09:15
A8970304	TEST PIT #5	SOIL	08/01/2008	11:12	08/09/2008	09:15
A8970305	TEST PIT #6	SOIL	08/01/2008	12:36	08/09/2008	09:15
A8970306	TEST PIT #8	SOIL	08/01/2008	13:52	08/09/2008	09:15
A8970301	TEST PIT (1+4)	SOIL	08/01/2008	09:30	08/09/2008	09:15

METHODS SUMMARY

Job#: A08-9703Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
SOIL- 8260 Volatiles	SW8463 8260
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS	SW8463 8270

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9703Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9703

Sample Cooler(s) were received at the following temperature(s); 6@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: TEST PIT #11

Date Received: 08/09/2008

Lab Sample ID: A8970307

Project No: NY5A9454

Date Collected: 08/04/2008

Client No: 135066

Time Collected: 09:38

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,1,2-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,1-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,1-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,2,4-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,2-Dibromoethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,2-Dichlorobenzene	2	J	6	UG/KG	8260	08/12/2008	17:51	LH
1,2-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,2-Dichloroethene (Total)	ND		11	UG/KG	8260	08/12/2008	17:51	LH
1,2-Dichloropropane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,3,5-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,3-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
1,4-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
2-Butanone	ND		28	UG/KG	8260	08/12/2008	17:51	LH
2-Hexanone	ND		28	UG/KG	8260	08/12/2008	17:51	LH
4-Methyl-2-pentanone	ND		28	UG/KG	8260	08/12/2008	17:51	LH
Acetone	9	BJ	28	UG/KG	8260	08/12/2008	17:51	LH
Benzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Bromodichloromethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Bromoform	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Bromomethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Carbon Disulfide	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Carbon Tetrachloride	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Chlorobenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Chloroethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Chloroform	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Chloromethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Cyclohexane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Dibromochloromethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Dichlorodifluoromethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Ethylbenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Isopropylbenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
m/p-Xylenes	ND		11	UG/KG	8260	08/12/2008	17:51	LH
Methyl acetate	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Methylcyclohexane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Methylene chloride	4	J	6	UG/KG	8260	08/12/2008	17:51	LH
n-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
n-Propylbenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Naphthalene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
o-Xylene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
p-Cymene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
sec-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH

Sample ID: TEST PIT #11

Lab Sample ID: A8970307

Date Collected: 08/04/2008

Time Collected: 09:38

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
Styrene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
tert-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Tetrachloroethene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Toluene	5	J	6	UG/KG	8260	08/12/2008	17:51	LH
Total Xylenes	ND		17	UG/KG	8260	08/12/2008	17:51	LH
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Trichloroethene	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Trichlorofluoromethane	ND		6	UG/KG	8260	08/12/2008	17:51	LH
Vinyl chloride	ND		11	UG/KG	8260	08/12/2008	17:51	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2,4,5-Trichlorophenol	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2,4,6-Trichlorophenol	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2,4-Dichlorophenol	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2,4-Dimethylphenol	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2,4-Dinitrophenol	ND		360	UG/KG	8270	08/12/2008	14:24	MD
2,4-Dinitrotoluene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2,6-Dinitrotoluene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2-Chloronaphthalene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2-Chlorophenol	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2-Methylnaphthalene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2-Methylphenol	ND		180	UG/KG	8270	08/12/2008	14:24	MD
2-Nitroaniline	ND		360	UG/KG	8270	08/12/2008	14:24	MD
2-Nitrophenol	ND		180	UG/KG	8270	08/12/2008	14:24	MD
3,3'-Dichlorobenzidine	ND		180	UG/KG	8270	08/12/2008	14:24	MD
3-Nitroaniline	ND		360	UG/KG	8270	08/12/2008	14:24	MD
4,6-Dinitro-2-methylphenol	ND		360	UG/KG	8270	08/12/2008	14:24	MD
4-Bromophenyl phenyl ether	ND		180	UG/KG	8270	08/12/2008	14:24	MD
4-Chloro-3-methylphenol	ND		180	UG/KG	8270	08/12/2008	14:24	MD
4-Chloroaniline	ND		180	UG/KG	8270	08/12/2008	14:24	MD
4-Chlorophenyl phenyl ether	ND		180	UG/KG	8270	08/12/2008	14:24	MD
4-Methylphenol	ND		180	UG/KG	8270	08/12/2008	14:24	MD
4-Nitroaniline	ND		360	UG/KG	8270	08/12/2008	14:24	MD
4-Nitrophenol	ND		360	UG/KG	8270	08/12/2008	14:24	MD
Acenaphthene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Acenaphthylene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Acetophenone	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Anthracene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Atrazine	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Benzaldehyde	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Benzo(a)anthracene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Benzo(a)pyrene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Benzo(b)fluoranthene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Benzo(ghi)perylene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Benzo(k)fluoranthene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Benzoic acid	ND		5200	UG/KG	8270	08/12/2008	14:24	MD
Biphenyl	ND		180	UG/KG	8270	08/12/2008	14:24	MD

Sample ID: TEST PIT #11

Lab Sample ID: A8970307

Date Collected: 08/04/2008

Time Collected: 09:38

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Bis(2-chloroethoxy) methane	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Bis(2-chloroethyl) ether	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Bis(2-ethylhexyl) phthalate	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Butyl benzyl phthalate	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Caprolactam	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Carbazole	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Chrysene	23	BJ	180	UG/KG	8270	08/12/2008	14:24	MD
Di-n-butyl phthalate	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Di-n-octyl phthalate	9	J	180	UG/KG	8270	08/12/2008	14:24	MD
Dibenzo(a,h)anthracene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Dibenzofuran	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Diethyl phthalate	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Dimethyl phthalate	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Fluoranthene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Fluorene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Hexachlorobenzene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Hexachlorobutadiene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Hexachlorocyclopentadiene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Hexachloroethane	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Indeno(1,2,3-cd)pyrene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Isophorone	ND		180	UG/KG	8270	08/12/2008	14:24	MD
N-Nitroso-Di-n-propylamine	ND		180	UG/KG	8270	08/12/2008	14:24	MD
N-nitrosodiphenylamine	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Naphthalene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Nitrobenzene	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Pentachlorophenol	ND		360	UG/KG	8270	08/12/2008	14:24	MD
Phenanthrene	16	BJ	180	UG/KG	8270	08/12/2008	14:24	MD
Phenol	ND		180	UG/KG	8270	08/12/2008	14:24	MD
Pyrene	ND		180	UG/KG	8270	08/12/2008	14:24	MD

Sample ID: TEST PIT #18

Lab Sample ID: A8970308

Date Collected: 08/05/2008

Time Collected: 12:10

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,1,2-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,1-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,1-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,2,4-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,2-Dibromoethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,2-Dichlorobenzene	2	J	6	UG/KG	8260	08/12/2008	18:16	LH
1,2-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,2-Dichloroethene (Total)	ND		12	UG/KG	8260	08/12/2008	18:16	LH
1,2-Dichloropropane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,3,5-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,3-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
1,4-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
2-Butanone	ND		31	UG/KG	8260	08/12/2008	18:16	LH
2-Hexanone	ND		31	UG/KG	8260	08/12/2008	18:16	LH
4-Methyl-2-pentanone	ND		31	UG/KG	8260	08/12/2008	18:16	LH
Acetone	9	BJ	31	UG/KG	8260	08/12/2008	18:16	LH
Benzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Bromodichloromethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Bromoform	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Bromomethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Carbon Disulfide	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Carbon Tetrachloride	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Chlorobenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Chloroethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Chloroform	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Chloromethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Cyclohexane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Dibromochloromethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Dichlorodifluoromethane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Ethylbenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Isopropylbenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
m/p-Xylenes	ND		12	UG/KG	8260	08/12/2008	18:16	LH
Methyl acetate	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Methylcyclohexane	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Methylene chloride	5	J	6	UG/KG	8260	08/12/2008	18:16	LH
n-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
n-Propylbenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
Naphthalene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
o-Xylene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
p-Cymene	ND		6	UG/KG	8260	08/12/2008	18:16	LH
sec-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	18:16	LH

Sample ID: TEST PIT #18

Lab Sample ID: A8970308

Date Collected: 08/05/2008

Time Collected: 12:10

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Date/Time		Analyst
			Limit	Units	Method	Analyzed	
SOIL - VOLATILES - 8260							
Styrene	ND		6	UG/KG	8260	08/12/2008 18:16	LH
tert-Butylbenzene	ND		6	UG/KG	8260	08/12/2008 18:16	LH
Tetrachloroethene	ND		6	UG/KG	8260	08/12/2008 18:16	LH
Toluene	ND		6	UG/KG	8260	08/12/2008 18:16	LH
Total Xylenes	ND		18	UG/KG	8260	08/12/2008 18:16	LH
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008 18:16	LH
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008 18:16	LH
Trichloroethene	ND		6	UG/KG	8260	08/12/2008 18:16	LH
Trichlorofluoromethane	ND		6	UG/KG	8260	08/12/2008 18:16	LH
Vinyl chloride	ND		12	UG/KG	8260	08/12/2008 18:16	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C							
2,2'-Oxybis(1-Chloropropane)	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2,4,5-Trichlorophenol	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2,4,6-Trichlorophenol	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2,4-Dichlorophenol	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2,4-Dimethylphenol	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2,4-Dinitrophenol	ND		410	UG/KG	8270	08/12/2008 14:47	MD
2,4-Dinitrotoluene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2,6-Dinitrotoluene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2-Chloronaphthalene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2-Chlorophenol	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2-Methylnaphthalene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2-Methylphenol	ND		210	UG/KG	8270	08/12/2008 14:47	MD
2-Nitroaniline	ND		410	UG/KG	8270	08/12/2008 14:47	MD
2-Nitrophenol	ND		210	UG/KG	8270	08/12/2008 14:47	MD
3,3'-Dichlorobenzidine	ND		210	UG/KG	8270	08/12/2008 14:47	MD
3-Nitroaniline	ND		410	UG/KG	8270	08/12/2008 14:47	MD
4,6-Dinitro-2-methylphenol	ND		410	UG/KG	8270	08/12/2008 14:47	MD
4-Bromophenyl phenyl ether	ND		210	UG/KG	8270	08/12/2008 14:47	MD
4-Chloro-3-methylphenol	ND		210	UG/KG	8270	08/12/2008 14:47	MD
4-Chloroaniline	ND		210	UG/KG	8270	08/12/2008 14:47	MD
4-Chlorophenyl phenyl ether	ND		210	UG/KG	8270	08/12/2008 14:47	MD
4-Methylphenol	ND		210	UG/KG	8270	08/12/2008 14:47	MD
4-Nitroaniline	ND		410	UG/KG	8270	08/12/2008 14:47	MD
4-Nitrophenol	ND		410	UG/KG	8270	08/12/2008 14:47	MD
Acenaphthene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Acenaphthylene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Acetophenone	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Anthracene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Atrazine	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Benzaldehyde	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Benzo(a)anthracene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Benzo(a)pyrene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Benzo(b)fluoranthene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Benzo(ghi)perylene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Benzo(k)fluoranthene	ND		210	UG/KG	8270	08/12/2008 14:47	MD
Benzoic acid	ND		6000	UG/KG	8270	08/12/2008 14:47	MD
Biphenyl	ND		210	UG/KG	8270	08/12/2008 14:47	MD

Sample ID: TEST PIT #18

Lab Sample ID: A8970308

Date Collected: 08/05/2008

Time Collected: 12:10

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Bis(2-chloroethoxy) methane	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Bis(2-chloroethyl) ether	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Bis(2-ethylhexyl) phthalate	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Butyl benzyl phthalate	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Caprolactam	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Carbazole	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Chrysene	36	BJ	210	UG/KG	8270	08/12/2008	14:47	MD
Di-n-butyl phthalate	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Di-n-octyl phthalate	16	J	210	UG/KG	8270	08/12/2008	14:47	MD
Dibenzo(a,h)anthracene	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Dibenzofuran	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Diethyl phthalate	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Dimethyl phthalate	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Fluoranthene	12	J	210	UG/KG	8270	08/12/2008	14:47	MD
Fluorene	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Hexachlorobenzene	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Hexachlorobutadiene	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Hexachlorocyclopentadiene	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Hexachloroethane	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Indeno(1,2,3-cd)pyrene	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Isophorone	ND		210	UG/KG	8270	08/12/2008	14:47	MD
N-Nitroso-Di-n-propylamine	ND		210	UG/KG	8270	08/12/2008	14:47	MD
N-nitrosodiphenylamine	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Naphthalene	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Nitrobenzene	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Pentachlorophenol	ND		410	UG/KG	8270	08/12/2008	14:47	MD
Phenanthrene	29	BJ	210	UG/KG	8270	08/12/2008	14:47	MD
Phenol	ND		210	UG/KG	8270	08/12/2008	14:47	MD
Pyrene	ND		210	UG/KG	8270	08/12/2008	14:47	MD

Sample ID: TEST PIT #2

Lab Sample ID: A8970302

Date Collected: 08/01/2008

Time Collected: 10:12

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,1,2,2-Tetrachloroethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,1,2-Trichloroethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,1-Dichloroethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,1-Dichloroethene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,2,4-Trichlorobenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,2,4-Trimethylbenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,2-Dibromo-3-chloropropane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,2-Dibromoethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,2-Dichlorobenzene	2	J	7	UG/KG	8260	08/12/2008	17:00	LH
1,2-Dichloroethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,2-Dichloroethene (Total)	ND		14	UG/KG	8260	08/12/2008	17:00	LH
1,2-Dichloropropane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,3,5-Trimethylbenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,3-Dichlorobenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
1,4-Dichlorobenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
2-Butanone	ND		34	UG/KG	8260	08/12/2008	17:00	LH
2-Hexanone	ND		34	UG/KG	8260	08/12/2008	17:00	LH
4-Methyl-2-pentanone	ND		34	UG/KG	8260	08/12/2008	17:00	LH
Acetone	ND		34	UG/KG	8260	08/12/2008	17:00	LH
Benzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Bromodichloromethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Bromoform	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Bromomethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Carbon Disulfide	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Carbon Tetrachloride	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Chlorobenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Chloroethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Chloroform	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Chloromethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
cis-1,2-Dichloroethene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
cis-1,3-Dichloropropene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Cyclohexane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Dibromochloromethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Dichlorodifluoromethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Ethylbenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Isopropylbenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
m/p-Xylenes	ND		14	UG/KG	8260	08/12/2008	17:00	LH
Methyl acetate	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Methyl-t-Butyl Ether (MTBE)	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Methylcyclohexane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Methylene chloride	4	J	7	UG/KG	8260	08/12/2008	17:00	LH
n-Butylbenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
n-Propylbenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Naphthalene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
o-Xylene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
p-Cymene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
sec-Butylbenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH

Sample ID: TEST PIT #2

Lab Sample ID: A8970302

Date Collected: 08/01/2008

Time Collected: 10:12

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
Styrene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
tert-Butylbenzene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Tetrachloroethene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Toluene	3	J	7	UG/KG	8260	08/12/2008	17:00	LH
Total Xylenes	ND		21	UG/KG	8260	08/12/2008	17:00	LH
trans-1,2-Dichloroethene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
trans-1,3-Dichloropropene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Trichloroethene	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Trichlorofluoromethane	ND		7	UG/KG	8260	08/12/2008	17:00	LH
Vinyl chloride	ND		14	UG/KG	8260	08/12/2008	17:00	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2,4,5-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2,4,6-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2,4-Dichlorophenol	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2,4-Dimethylphenol	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2,4-Dinitrophenol	ND		400	UG/KG	8270	08/12/2008	12:29	MD
2,4-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2,6-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2-Chloronaphthalene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2-Chlorophenol	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2-Methylnaphthalene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2-Methylphenol	ND		200	UG/KG	8270	08/12/2008	12:29	MD
2-Nitroaniline	ND		400	UG/KG	8270	08/12/2008	12:29	MD
2-Nitrophenol	ND		200	UG/KG	8270	08/12/2008	12:29	MD
3,3'-Dichlorobenzidine	ND		200	UG/KG	8270	08/12/2008	12:29	MD
3-Nitroaniline	ND		400	UG/KG	8270	08/12/2008	12:29	MD
4,6-Dinitro-2-methylphenol	ND		400	UG/KG	8270	08/12/2008	12:29	MD
4-Bromophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	12:29	MD
4-Chloro-3-methylphenol	ND		200	UG/KG	8270	08/12/2008	12:29	MD
4-Chloroaniline	ND		200	UG/KG	8270	08/12/2008	12:29	MD
4-Chlorophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	12:29	MD
4-Methylphenol	ND		200	UG/KG	8270	08/12/2008	12:29	MD
4-Nitroaniline	ND		400	UG/KG	8270	08/12/2008	12:29	MD
4-Nitrophenol	ND		400	UG/KG	8270	08/12/2008	12:29	MD
Acenaphthene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Acenaphthylene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Acetophenone	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Anthracene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Atrazine	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Benzaldehyde	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Benzo(a)anthracene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Benzo(a)pyrene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Benzo(b)fluoranthene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Benzo(ghi)perylene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Benzo(k)fluoranthene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Benzoic acid	ND		5800	UG/KG	8270	08/12/2008	12:29	MD
Biphenyl	ND		200	UG/KG	8270	08/12/2008	12:29	MD

Sample ID: TEST PIT #2

Lab Sample ID: A8970302

Date Collected: 08/01/2008

Time Collected: 10:12

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Bis(2-chloroethoxy) methane	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Bis(2-chloroethyl) ether	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Bis(2-ethylhexyl) phthalate	66	J	200	UG/KG	8270	08/12/2008	12:29	MD
Butyl benzyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Caprolactam	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Carbazole	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Chrysene	26	BJ	200	UG/KG	8270	08/12/2008	12:29	MD
Di-n-butyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Di-n-octyl phthalate	10	J	200	UG/KG	8270	08/12/2008	12:29	MD
Dibenzo(a,h)anthracene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Dibenzofuran	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Diethyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Dimethyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Fluoranthene	10	J	200	UG/KG	8270	08/12/2008	12:29	MD
Fluorene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Hexachlorobenzene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Hexachlorobutadiene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Hexachlorocyclopentadiene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Hexachloroethane	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Indeno(1,2,3-cd)pyrene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Isophorone	ND		200	UG/KG	8270	08/12/2008	12:29	MD
N-Nitroso-Di-n-propylamine	ND		200	UG/KG	8270	08/12/2008	12:29	MD
N-nitrosodiphenylamine	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Naphthalene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Nitrobenzene	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Pentachlorophenol	ND		400	UG/KG	8270	08/12/2008	12:29	MD
Phenanthrene	31	BJ	200	UG/KG	8270	08/12/2008	12:29	MD
Phenol	ND		200	UG/KG	8270	08/12/2008	12:29	MD
Pyrene	ND		200	UG/KG	8270	08/12/2008	12:29	MD

Sample ID: TEST PIT #21

Lab Sample ID: A8970309

Date Collected: 08/05/2008

Time Collected: 13:00

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,1,2-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,1-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,1-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,2,4-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,2-Dibromoethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,2-Dichlorobenzene	1	J	6	UG/KG	8260	08/12/2008	18:42	LH
1,2-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,2-Dichloroethene (Total)	ND		12	UG/KG	8260	08/12/2008	18:42	LH
1,2-Dichloropropane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,3,5-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,3-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
1,4-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
2-Butanone	ND		30	UG/KG	8260	08/12/2008	18:42	LH
2-Hexanone	ND		30	UG/KG	8260	08/12/2008	18:42	LH
4-Methyl-2-pentanone	ND		30	UG/KG	8260	08/12/2008	18:42	LH
Acetone	ND		30	UG/KG	8260	08/12/2008	18:42	LH
Benzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Bromodichloromethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Bromoform	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Bromomethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Carbon Disulfide	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Carbon Tetrachloride	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Chlorobenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Chloroethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Chloroform	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Chloromethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Cyclohexane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Dibromochloromethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Dichlorodifluoromethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Ethylbenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Isopropylbenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
m/p-Xylenes	ND		12	UG/KG	8260	08/12/2008	18:42	LH
Methyl acetate	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Methylcyclohexane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Methylene chloride	6		6	UG/KG	8260	08/12/2008	18:42	LH
n-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
n-Propylbenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Naphthalene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
o-Xylene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
p-Cymene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
sec-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH

Sample ID: TEST PIT #21

Lab Sample ID: A8970309

Date Collected: 08/05/2008

Time Collected: 13:00

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
Styrene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
tert-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Tetrachloroethene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Toluene	1	J	6	UG/KG	8260	08/12/2008	18:42	LH
Total Xylenes	ND		18	UG/KG	8260	08/12/2008	18:42	LH
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Trichloroethene	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Trichlorofluoromethane	ND		6	UG/KG	8260	08/12/2008	18:42	LH
Vinyl chloride	ND		12	UG/KG	8260	08/12/2008	18:42	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2,4,5-Trichlorophenol	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2,4,6-Trichlorophenol	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2,4-Dichlorophenol	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2,4-Dimethylphenol	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2,4-Dinitrophenol	ND		430	UG/KG	8270	08/12/2008	15:10	MD
2,4-Dinitrotoluene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2,6-Dinitrotoluene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2-Chloronaphthalene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2-Chlorophenol	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2-Methylnaphthalene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2-Methylphenol	ND		220	UG/KG	8270	08/12/2008	15:10	MD
2-Nitroaniline	ND		430	UG/KG	8270	08/12/2008	15:10	MD
2-Nitrophenol	ND		220	UG/KG	8270	08/12/2008	15:10	MD
3,3'-Dichlorobenzidine	ND		220	UG/KG	8270	08/12/2008	15:10	MD
3-Nitroaniline	ND		430	UG/KG	8270	08/12/2008	15:10	MD
4,6-Dinitro-2-methylphenol	ND		430	UG/KG	8270	08/12/2008	15:10	MD
4-Bromophenyl phenyl ether	ND		220	UG/KG	8270	08/12/2008	15:10	MD
4-Chloro-3-methylphenol	ND		220	UG/KG	8270	08/12/2008	15:10	MD
4-Chloroaniline	ND		220	UG/KG	8270	08/12/2008	15:10	MD
4-Chlorophenyl phenyl ether	ND		220	UG/KG	8270	08/12/2008	15:10	MD
4-Methylphenol	ND		220	UG/KG	8270	08/12/2008	15:10	MD
4-Nitroaniline	ND		430	UG/KG	8270	08/12/2008	15:10	MD
4-Nitrophenol	ND		430	UG/KG	8270	08/12/2008	15:10	MD
Acenaphthene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Acenaphthylene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Acetophenone	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Anthracene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Atrazine	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Benzaldehyde	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Benzo(a)anthracene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Benzo(a)pyrene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Benzo(b)fluoranthene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Benzo(ghi)perylene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Benzo(k)fluoranthene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Benzoic acid	ND		6300	UG/KG	8270	08/12/2008	15:10	MD
Biphenyl	ND		220	UG/KG	8270	08/12/2008	15:10	MD

Sample ID: TEST PIT #21

Lab Sample ID: A8970309

Date Collected: 08/05/2008

Time Collected: 13:00

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Bis(2-chloroethoxy) methane	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Bis(2-chloroethyl) ether	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Bis(2-ethylhexyl) phthalate	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Butyl benzyl phthalate	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Caprolactam	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Carbazole	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Chrysene	29	BJ	220	UG/KG	8270	08/12/2008	15:10	MD
Di-n-butyl phthalate	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Di-n-octyl phthalate	16	J	220	UG/KG	8270	08/12/2008	15:10	MD
Dibenzo(a,h)anthracene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Dibenzofuran	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Diethyl phthalate	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Dimethyl phthalate	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Fluoranthene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Fluorene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Hexachlorobenzene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Hexachlorobutadiene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Hexachlorocyclopentadiene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Hexachloroethane	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Indeno(1,2,3-cd)pyrene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Isophorone	ND		220	UG/KG	8270	08/12/2008	15:10	MD
N-Nitroso-Di-n-propylamine	ND		220	UG/KG	8270	08/12/2008	15:10	MD
N-nitrosodiphenylamine	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Naphthalene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Nitrobenzene	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Pentachlorophenol	ND		430	UG/KG	8270	08/12/2008	15:10	MD
Phenanthrene	20	BJ	220	UG/KG	8270	08/12/2008	15:10	MD
Phenol	ND		220	UG/KG	8270	08/12/2008	15:10	MD
Pyrene	ND		220	UG/KG	8270	08/12/2008	15:10	MD

Sample ID: TEST PIT #22

Lab Sample ID: A8970310

Date Collected: 08/05/2008

Time Collected: 13:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,1,2-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,1-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,1-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,2,4-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,2-Dibromoethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,2-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,2-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,2-Dichloroethene (Total)	ND		11	UG/KG	8260	08/12/2008	19:07	LH
1,2-Dichloropropane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,3,5-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,3-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
1,4-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
2-Butanone	ND		28	UG/KG	8260	08/12/2008	19:07	LH
2-Hexanone	ND		28	UG/KG	8260	08/12/2008	19:07	LH
4-Methyl-2-pentanone	ND		28	UG/KG	8260	08/12/2008	19:07	LH
Acetone	ND		28	UG/KG	8260	08/12/2008	19:07	LH
Benzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Bromodichloromethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Bromoform	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Bromomethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Carbon Disulfide	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Carbon Tetrachloride	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Chlorobenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Chloroethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Chloroform	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Chloromethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Cyclohexane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Dibromochloromethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Dichlorodifluoromethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Ethylbenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Isopropylbenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
m/p-Xylenes	ND		11	UG/KG	8260	08/12/2008	19:07	LH
Methyl acetate	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Methylcyclohexane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Methylene chloride	4	J	6	UG/KG	8260	08/12/2008	19:07	LH
n-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
n-Propylbenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Naphthalene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
o-Xylene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
p-Cymene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
sec-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH

Sample ID: TEST PIT #22

Lab Sample ID: A8970310

Date Collected: 08/05/2008

Time Collected: 13:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
Styrene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
tert-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Tetrachloroethene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Toluene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Total Xylenes	ND		17	UG/KG	8260	08/12/2008	19:07	LH
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Trichloroethene	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Trichlorofluoromethane	ND		6	UG/KG	8260	08/12/2008	19:07	LH
Vinyl chloride	ND		11	UG/KG	8260	08/12/2008	19:07	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2,4,5-Trichlorophenol	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2,4,6-Trichlorophenol	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2,4-Dichlorophenol	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2,4-Dimethylphenol	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2,4-Dinitrophenol	ND		370	UG/KG	8270	08/12/2008	15:33	MD
2,4-Dinitrotoluene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2,6-Dinitrotoluene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2-Chloronaphthalene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2-Chlorophenol	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2-Methylnaphthalene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2-Methylphenol	ND		190	UG/KG	8270	08/12/2008	15:33	MD
2-Nitroaniline	ND		370	UG/KG	8270	08/12/2008	15:33	MD
2-Nitrophenol	ND		190	UG/KG	8270	08/12/2008	15:33	MD
3,3'-Dichlorobenzidine	ND		190	UG/KG	8270	08/12/2008	15:33	MD
3-Nitroaniline	ND		370	UG/KG	8270	08/12/2008	15:33	MD
4,6-Dinitro-2-methylphenol	ND		370	UG/KG	8270	08/12/2008	15:33	MD
4-Bromophenyl phenyl ether	ND		190	UG/KG	8270	08/12/2008	15:33	MD
4-Chloro-3-methylphenol	ND		190	UG/KG	8270	08/12/2008	15:33	MD
4-Chloroaniline	ND		190	UG/KG	8270	08/12/2008	15:33	MD
4-Chlorophenyl phenyl ether	ND		190	UG/KG	8270	08/12/2008	15:33	MD
4-Methylphenol	ND		190	UG/KG	8270	08/12/2008	15:33	MD
4-Nitroaniline	ND		370	UG/KG	8270	08/12/2008	15:33	MD
4-Nitrophenol	ND		370	UG/KG	8270	08/12/2008	15:33	MD
Acenaphthene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Acenaphthylene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Acetophenone	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Anthracene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Atrazine	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Benzaldehyde	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Benzo(a)anthracene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Benzo(a)pyrene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Benzo(b)fluoranthene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Benzo(ghi)perylene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Benzo(k)fluoranthene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Benzoic acid	ND		5400	UG/KG	8270	08/12/2008	15:33	MD
Biphenyl	ND		190	UG/KG	8270	08/12/2008	15:33	MD

Sample ID: TEST PIT #22

Lab Sample ID: A8970310

Date Collected: 08/05/2008

Time Collected: 13:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Bis(2-chloroethoxy) methane	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Bis(2-chloroethyl) ether	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Butyl benzyl phthalate	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Caprolactam	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Carbazole	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Chrysene	29	BJ	190	UG/KG	8270	08/12/2008	15:33	MD
Di-n-butyl phthalate	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Di-n-octyl phthalate	10	J	190	UG/KG	8270	08/12/2008	15:33	MD
Dibenzo(a,h)anthracene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Dibenzofuran	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Diethyl phthalate	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Dimethyl phthalate	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Fluoranthene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Fluorene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Hexachlorobenzene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Hexachlorobutadiene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Hexachlorocyclopentadiene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Hexachloroethane	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Indeno(1,2,3-cd)pyrene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Isophorone	ND		190	UG/KG	8270	08/12/2008	15:33	MD
N-Nitroso-Di-n-propylamine	ND		190	UG/KG	8270	08/12/2008	15:33	MD
N-nitrosodiphenylamine	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Naphthalene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Nitrobenzene	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Pentachlorophenol	ND		370	UG/KG	8270	08/12/2008	15:33	MD
Phenanthrene	15	BJ	190	UG/KG	8270	08/12/2008	15:33	MD
Phenol	ND		190	UG/KG	8270	08/12/2008	15:33	MD
Pyrene	ND		190	UG/KG	8270	08/12/2008	15:33	MD

Sample ID: TEST PIT #3

Date Received: 08/09/2008

Lab Sample ID: A8970303

Project No: NY5A9454

Date Collected: 08/01/2008

Client No: 135066

Time Collected: 10:40

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,1,2-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,1-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,1-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,2,4-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,2-Dibromoethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,2-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,2-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,2-Dichloroethene (Total)	ND		11	UG/KG	8260	08/12/2008	17:25	LH
1,2-Dichloropropane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,3,5-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,3-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
1,4-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
2-Butanone	ND		28	UG/KG	8260	08/12/2008	17:25	LH
2-Hexanone	ND		28	UG/KG	8260	08/12/2008	17:25	LH
4-Methyl-2-pentanone	ND		28	UG/KG	8260	08/12/2008	17:25	LH
Acetone	ND		28	UG/KG	8260	08/12/2008	17:25	LH
Benzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Bromodichloromethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Bromoform	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Bromomethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Carbon Disulfide	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Carbon Tetrachloride	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Chlorobenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Chloroethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Chloroform	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Chloromethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Cyclohexane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Dibromochloromethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Dichlorodifluoromethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Ethylbenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Isopropylbenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
m/p-Xylenes	ND		11	UG/KG	8260	08/12/2008	17:25	LH
Methyl acetate	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Methylcyclohexane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Methylene chloride	3	J	6	UG/KG	8260	08/12/2008	17:25	LH
n-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
n-Propylbenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Naphthalene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
o-Xylene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
p-Cymene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
sec-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH

Sample ID: TEST PIT #3

Lab Sample ID: A8970303

Date Collected: 08/01/2008

Time Collected: 10:40

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
Styrene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
tert-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Tetrachloroethene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Toluene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Total Xylenes	ND		17	UG/KG	8260	08/12/2008	17:25	LH
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Trichloroethene	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Trichlorofluoromethane	ND		6	UG/KG	8260	08/12/2008	17:25	LH
Vinyl chloride	ND		11	UG/KG	8260	08/12/2008	17:25	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2,4,5-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2,4,6-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2,4-Dichlorophenol	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2,4-Dimethylphenol	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2,4-Dinitrophenol	ND		390	UG/KG	8270	08/12/2008	12:52	MD
2,4-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2,6-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2-Chloronaphthalene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2-Chlorophenol	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2-Methylnaphthalene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2-Methylphenol	ND		200	UG/KG	8270	08/12/2008	12:52	MD
2-Nitroaniline	ND		390	UG/KG	8270	08/12/2008	12:52	MD
2-Nitrophenol	ND		200	UG/KG	8270	08/12/2008	12:52	MD
3,3'-Dichlorobenzidine	ND		200	UG/KG	8270	08/12/2008	12:52	MD
3-Nitroaniline	ND		390	UG/KG	8270	08/12/2008	12:52	MD
4,6-Dinitro-2-methylphenol	ND		390	UG/KG	8270	08/12/2008	12:52	MD
4-Bromophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	12:52	MD
4-Chloro-3-methylphenol	ND		200	UG/KG	8270	08/12/2008	12:52	MD
4-Chloroaniline	ND		200	UG/KG	8270	08/12/2008	12:52	MD
4-Chlorophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	12:52	MD
4-Methylphenol	ND		200	UG/KG	8270	08/12/2008	12:52	MD
4-Nitroaniline	ND		390	UG/KG	8270	08/12/2008	12:52	MD
4-Nitrophenol	ND		390	UG/KG	8270	08/12/2008	12:52	MD
Acenaphthene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Acenaphthylene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Acetophenone	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Anthracene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Atrazine	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Benzaldehyde	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Benzo(a)anthracene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Benzo(a)pyrene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Benzo(b)fluoranthene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Benzo(ghi)perylene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Benzo(k)fluoranthene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Benzoic acid	ND		5700	UG/KG	8270	08/12/2008	12:52	MD
Biphenyl	ND		200	UG/KG	8270	08/12/2008	12:52	MD

Sample ID: TEST PIT #3

Lab Sample ID: A8970303

Date Collected: 08/01/2008

Time Collected: 10:40

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Bis(2-chloroethoxy) methane	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Bis(2-chloroethyl) ether	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Butyl benzyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Caprolactam	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Carbazole	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Chrysene	30	BJ	200	UG/KG	8270	08/12/2008	12:52	MD
Di-n-butyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Di-n-octyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Dibenzo(a,h)anthracene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Dibenzofuran	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Diethyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Dimethyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Fluoranthene	11	J	200	UG/KG	8270	08/12/2008	12:52	MD
Fluorene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Hexachlorobenzene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Hexachlorobutadiene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Hexachlorocyclopentadiene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Hexachloroethane	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Indeno(1,2,3-cd)pyrene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Isophorone	ND		200	UG/KG	8270	08/12/2008	12:52	MD
N-Nitroso-Di-n-propylamine	ND		200	UG/KG	8270	08/12/2008	12:52	MD
N-nitrosodiphenylamine	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Naphthalene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Nitrobenzene	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Pentachlorophenol	ND		390	UG/KG	8270	08/12/2008	12:52	MD
Phenanthrene	39	BJ	200	UG/KG	8270	08/12/2008	12:52	MD
Phenol	ND		200	UG/KG	8270	08/12/2008	12:52	MD
Pyrene	ND		200	UG/KG	8270	08/12/2008	12:52	MD

Sample ID: TEST PIT #5

Lab Sample ID: A8970304

Date Collected: 08/01/2008

Time Collected: 11:12

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,1,2-Trichloroethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,1-Dichloroethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,1-Dichloroethene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,2,4-Trimethylbenzene	19		6	UG/KG	8260	08/13/2008	14:08	LH
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,2-Dibromoethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,2-Dichlorobenzene	1	J	6	UG/KG	8260	08/13/2008	14:08	LH
1,2-Dichloroethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,2-Dichloroethene (Total)	ND		13	UG/KG	8260	08/13/2008	14:08	LH
1,2-Dichloropropane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,3,5-Trimethylbenzene	6		6	UG/KG	8260	08/13/2008	14:08	LH
1,3-Dichlorobenzene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
1,4-Dichlorobenzene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
2-Butanone	ND		32	UG/KG	8260	08/13/2008	14:08	LH
2-Hexanone	ND		32	UG/KG	8260	08/13/2008	14:08	LH
4-Methyl-2-pentanone	ND		32	UG/KG	8260	08/13/2008	14:08	LH
Acetone	14	J	32	UG/KG	8260	08/13/2008	14:08	LH
Benzene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Bromodichloromethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Bromoform	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Bromomethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Carbon Disulfide	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Carbon Tetrachloride	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Chlorobenzene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Chloroethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Chloroform	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Chloromethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Cyclohexane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Dibromochloromethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Dichlorodifluoromethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Ethylbenzene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Isopropylbenzene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
m/p-Xylenes	ND		13	UG/KG	8260	08/13/2008	14:08	LH
Methyl acetate	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Methylcyclohexane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Methylene chloride	11		6	UG/KG	8260	08/13/2008	14:08	LH
n-Butylbenzene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
n-Propylbenzene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Naphthalene	5	J	6	UG/KG	8260	08/13/2008	14:08	LH
o-Xylene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
p-Cymene	3	J	6	UG/KG	8260	08/13/2008	14:08	LH
sec-Butylbenzene	4	J	6	UG/KG	8260	08/13/2008	14:08	LH

Sample ID: TEST PIT #5

Lab Sample ID: A8970304

Date Collected: 08/01/2008

Time Collected: 11:12

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
Styrene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
tert-Butylbenzene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Tetrachloroethene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Toluene	3	J	6	UG/KG	8260	08/13/2008	14:08	LH
Total Xylenes	ND		19	UG/KG	8260	08/13/2008	14:08	LH
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Trichloroethene	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Trichlorofluoromethane	ND		6	UG/KG	8260	08/13/2008	14:08	LH
Vinyl chloride	ND		13	UG/KG	8260	08/13/2008	14:08	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2,4,5-Trichlorophenol	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2,4,6-Trichlorophenol	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2,4-Dichlorophenol	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2,4-Dimethylphenol	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2,4-Dinitrophenol	ND		360	UG/KG	8270	08/12/2008	13:15	MD
2,4-Dinitrotoluene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2,6-Dinitrotoluene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2-Chloronaphthalene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2-Chlorophenol	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2-Methylnaphthalene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2-Methylphenol	ND		190	UG/KG	8270	08/12/2008	13:15	MD
2-Nitroaniline	ND		360	UG/KG	8270	08/12/2008	13:15	MD
2-Nitrophenol	ND		190	UG/KG	8270	08/12/2008	13:15	MD
3,3'-Dichlorobenzidine	ND		190	UG/KG	8270	08/12/2008	13:15	MD
3-Nitroaniline	ND		360	UG/KG	8270	08/12/2008	13:15	MD
4,6-Dinitro-2-methylphenol	ND		360	UG/KG	8270	08/12/2008	13:15	MD
4-Bromophenyl phenyl ether	ND		190	UG/KG	8270	08/12/2008	13:15	MD
4-Chloro-3-methylphenol	ND		190	UG/KG	8270	08/12/2008	13:15	MD
4-Chloroaniline	ND		190	UG/KG	8270	08/12/2008	13:15	MD
4-Chlorophenyl phenyl ether	ND		190	UG/KG	8270	08/12/2008	13:15	MD
4-Methylphenol	ND		190	UG/KG	8270	08/12/2008	13:15	MD
4-Nitroaniline	ND		360	UG/KG	8270	08/12/2008	13:15	MD
4-Nitrophenol	ND		360	UG/KG	8270	08/12/2008	13:15	MD
Acenaphthene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Acenaphthylene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Acetophenone	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Anthracene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Atrazine	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Benzaldehyde	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Benzo(a)anthracene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Benzo(a)pyrene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Benzo(b)fluoranthene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Benzo(ghi)perylene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Benzo(k)fluoranthene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Benzoic acid	ND		5300	UG/KG	8270	08/12/2008	13:15	MD
Biphenyl	ND		190	UG/KG	8270	08/12/2008	13:15	MD

Sample ID: TEST PIT #5

Lab Sample ID: A8970304

Date Collected: 08/01/2008

Time Collected: 11:12

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Bis(2-chloroethoxy) methane	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Bis(2-chloroethyl) ether	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Butyl benzyl phthalate	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Caprolactam	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Carbazole	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Chrysene	29	BJ	190	UG/KG	8270	08/12/2008	13:15	MD
Di-n-butyl phthalate	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Di-n-octyl phthalate	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Dibenzo(a,h)anthracene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Dibenzofuran	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Diethyl phthalate	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Dimethyl phthalate	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Fluoranthene	14	J	190	UG/KG	8270	08/12/2008	13:15	MD
Fluorene	8	J	190	UG/KG	8270	08/12/2008	13:15	MD
Hexachlorobenzene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Hexachlorobutadiene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Hexachlorocyclopentadiene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Hexachloroethane	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Indeno(1,2,3-cd)pyrene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Isophorone	ND		190	UG/KG	8270	08/12/2008	13:15	MD
N-Nitroso-Di-n-propylamine	ND		190	UG/KG	8270	08/12/2008	13:15	MD
N-nitrosodiphenylamine	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Naphthalene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Nitrobenzene	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Pentachlorophenol	400		360	UG/KG	8270	08/12/2008	13:15	MD
Phenanthrene	63	BJ	190	UG/KG	8270	08/12/2008	13:15	MD
Phenol	ND		190	UG/KG	8270	08/12/2008	13:15	MD
Pyrene	11	J	190	UG/KG	8270	08/12/2008	13:15	MD

Sample ID: TEST PIT #6

Lab Sample ID: A8970305

Date Collected: 08/01/2008

Time Collected: 12:36

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,1,2,2-Tetrachloroethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,1,2-Trichloroethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,1-Dichloroethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,1-Dichloroethene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,2,4-Trichlorobenzene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,2,4-Trimethylbenzene	580		27	UG/KG	8260	08/12/2008	20:50	LH
1,2-Dibromo-3-chloropropane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,2-Dibromoethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,2-Dichlorobenzene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,2-Dichloroethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,2-Dichloroethene (Total)	ND		54	UG/KG	8260	08/12/2008	20:50	LH
1,2-Dichloropropane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,3,5-Trimethylbenzene	180		27	UG/KG	8260	08/12/2008	20:50	LH
1,3-Dichlorobenzene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
1,4-Dichlorobenzene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
2-Butanone	ND		130	UG/KG	8260	08/12/2008	20:50	LH
2-Hexanone	ND		130	UG/KG	8260	08/12/2008	20:50	LH
4-Methyl-2-pentanone	ND		130	UG/KG	8260	08/12/2008	20:50	LH
Acetone	39	BJ	130	UG/KG	8260	08/12/2008	20:50	LH
Benzene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Bromodichloromethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Bromoform	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Bromomethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Carbon Disulfide	6	J	27	UG/KG	8260	08/12/2008	20:50	LH
Carbon Tetrachloride	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Chlorobenzene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Chloroethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Chloroform	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Chloromethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
cis-1,2-Dichloroethene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
cis-1,3-Dichloropropene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Cyclohexane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Dibromochloromethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Dichlorodifluoromethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Ethylbenzene	24	J	27	UG/KG	8260	08/12/2008	20:50	LH
Isopropylbenzene	29		27	UG/KG	8260	08/12/2008	20:50	LH
m/p-Xylenes	100		54	UG/KG	8260	08/12/2008	20:50	LH
Methyl acetate	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Methyl-t-Butyl Ether (MTBE)	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Methylcyclohexane	9	J	27	UG/KG	8260	08/12/2008	20:50	LH
Methylene chloride	46		27	UG/KG	8260	08/12/2008	20:50	LH
n-Butylbenzene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
n-Propylbenzene	57		27	UG/KG	8260	08/12/2008	20:50	LH
Naphthalene	460	B	27	UG/KG	8260	08/12/2008	20:50	LH
o-Xylene	75		27	UG/KG	8260	08/12/2008	20:50	LH
p-Cymene	59		27	UG/KG	8260	08/12/2008	20:50	LH
sec-Butylbenzene	75		27	UG/KG	8260	08/12/2008	20:50	LH

Sample ID: TEST PIT #6

Lab Sample ID: A8970305

Date Collected: 08/01/2008

Time Collected: 12:36

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
Styrene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
tert-Butylbenzene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Tetrachloroethene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Toluene	12	J	27	UG/KG	8260	08/12/2008	20:50	LH
Total Xylenes	180		80	UG/KG	8260	08/12/2008	20:50	LH
trans-1,2-Dichloroethene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
trans-1,3-Dichloropropene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Trichloroethene	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Trichlorofluoromethane	ND		27	UG/KG	8260	08/12/2008	20:50	LH
Vinyl chloride	ND		54	UG/KG	8260	08/12/2008	20:50	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		190	UG/KG	8270	08/12/2008	13:38	MD
2,4,5-Trichlorophenol	ND		190	UG/KG	8270	08/12/2008	13:38	MD
2,4,6-Trichlorophenol	ND		190	UG/KG	8270	08/12/2008	13:38	MD
2,4-Dichlorophenol	ND		190	UG/KG	8270	08/12/2008	13:38	MD
2,4-Dimethylphenol	ND		190	UG/KG	8270	08/12/2008	13:38	MD
2,4-Dinitrophenol	ND		370	UG/KG	8270	08/12/2008	13:38	MD
2,4-Dinitrotoluene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
2,6-Dinitrotoluene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
2-Chloronaphthalene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
2-Chlorophenol	ND		190	UG/KG	8270	08/12/2008	13:38	MD
2-Methylnaphthalene	750		190	UG/KG	8270	08/12/2008	13:38	MD
2-Methylphenol	ND		190	UG/KG	8270	08/12/2008	13:38	MD
2-Nitroaniline	ND		370	UG/KG	8270	08/12/2008	13:38	MD
2-Nitrophenol	ND		190	UG/KG	8270	08/12/2008	13:38	MD
3,3'-Dichlorobenzidine	ND		190	UG/KG	8270	08/12/2008	13:38	MD
3-Nitroaniline	ND		370	UG/KG	8270	08/12/2008	13:38	MD
4,6-Dinitro-2-methylphenol	ND		370	UG/KG	8270	08/12/2008	13:38	MD
4-Bromophenyl phenyl ether	ND		190	UG/KG	8270	08/12/2008	13:38	MD
4-Chloro-3-methylphenol	ND		190	UG/KG	8270	08/12/2008	13:38	MD
4-Chloroaniline	ND		190	UG/KG	8270	08/12/2008	13:38	MD
4-Chlorophenyl phenyl ether	ND		190	UG/KG	8270	08/12/2008	13:38	MD
4-Methylphenol	ND		190	UG/KG	8270	08/12/2008	13:38	MD
4-Nitroaniline	ND		370	UG/KG	8270	08/12/2008	13:38	MD
4-Nitrophenol	ND		370	UG/KG	8270	08/12/2008	13:38	MD
Acenaphthene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Acenaphthylene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Acetophenone	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Anthracene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Atrazine	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Benzaldehyde	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Benzo(a)anthracene	15	J	190	UG/KG	8270	08/12/2008	13:38	MD
Benzo(a)pyrene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Benzo(b)fluoranthene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Benzo(ghi)perylene	9	J	190	UG/KG	8270	08/12/2008	13:38	MD
Benzo(k)fluoranthene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Benzoic acid	ND		5400	UG/KG	8270	08/12/2008	13:38	MD
Biphenyl	140	J	190	UG/KG	8270	08/12/2008	13:38	MD

Sample ID: TEST PIT #6

Lab Sample ID: A8970305

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Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Bis(2-chloroethoxy) methane	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Bis(2-chloroethyl) ether	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Bis(2-ethylhexyl) phthalate	83	J	190	UG/KG	8270	08/12/2008	13:38	MD
Butyl benzyl phthalate	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Caprolactam	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Carbazole	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Chrysene	50	BJ	190	UG/KG	8270	08/12/2008	13:38	MD
Di-n-butyl phthalate	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Di-n-octyl phthalate	10	J	190	UG/KG	8270	08/12/2008	13:38	MD
Dibenzo(a,h)anthracene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Dibenzofuran	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Diethyl phthalate	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Dimethyl phthalate	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Fluoranthene	76	J	190	UG/KG	8270	08/12/2008	13:38	MD
Fluorene	300		190	UG/KG	8270	08/12/2008	13:38	MD
Hexachlorobenzene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Hexachlorobutadiene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Hexachlorocyclopentadiene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Hexachloroethane	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Indeno(1,2,3-cd)pyrene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Isophorone	ND		190	UG/KG	8270	08/12/2008	13:38	MD
N-Nitroso-Di-n-propylamine	ND		190	UG/KG	8270	08/12/2008	13:38	MD
N-nitrosodiphenylamine	660		190	UG/KG	8270	08/12/2008	13:38	MD
Naphthalene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Nitrobenzene	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Pentachlorophenol	1800		370	UG/KG	8270	08/12/2008	13:38	MD
Phenanthrene	1000	B	190	UG/KG	8270	08/12/2008	13:38	MD
Phenol	ND		190	UG/KG	8270	08/12/2008	13:38	MD
Pyrene	160	J	190	UG/KG	8270	08/12/2008	13:38	MD

Sample ID: TEST PIT #8

Lab Sample ID: A8970306

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Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,1,2,2-Tetrachloroethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,1,2-Trichloroethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,1-Dichloroethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,1-Dichloroethene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,2,4-Trichlorobenzene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,2,4-Trimethylbenzene	77		29	UG/KG	8260	08/12/2008	21:15	LH
1,2-Dibromo-3-chloropropane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,2-Dibromoethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,2-Dichlorobenzene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,2-Dichloroethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,2-Dichloroethene (Total)	ND		58	UG/KG	8260	08/12/2008	21:15	LH
1,2-Dichloropropane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,3,5-Trimethylbenzene	6	J	29	UG/KG	8260	08/12/2008	21:15	LH
1,3-Dichlorobenzene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
1,4-Dichlorobenzene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
2-Butanone	ND		140	UG/KG	8260	08/12/2008	21:15	LH
2-Hexanone	ND		140	UG/KG	8260	08/12/2008	21:15	LH
4-Methyl-2-pentanone	ND		140	UG/KG	8260	08/12/2008	21:15	LH
Acetone	39	BJ	140	UG/KG	8260	08/12/2008	21:15	LH
Benzene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Bromodichloromethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Bromoform	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Bromomethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Carbon Disulfide	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Carbon Tetrachloride	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Chlorobenzene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Chloroethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Chloroform	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Chloromethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
cis-1,2-Dichloroethene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
cis-1,3-Dichloropropene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Cyclohexane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Dibromochloromethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Dichlorodifluoromethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Ethylbenzene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Isopropylbenzene	7	J	29	UG/KG	8260	08/12/2008	21:15	LH
m/p-Xylenes	6	J	58	UG/KG	8260	08/12/2008	21:15	LH
Methyl acetate	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Methyl-t-Butyl Ether (MTBE)	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Methylcyclohexane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Methylene chloride	46		29	UG/KG	8260	08/12/2008	21:15	LH
n-Butylbenzene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
n-Propylbenzene	11	J	29	UG/KG	8260	08/12/2008	21:15	LH
Naphthalene	13	BJ	29	UG/KG	8260	08/12/2008	21:15	LH
o-Xylene	12	J	29	UG/KG	8260	08/12/2008	21:15	LH
p-Cymene	23	J	29	UG/KG	8260	08/12/2008	21:15	LH
sec-Butylbenzene	28	J	29	UG/KG	8260	08/12/2008	21:15	LH

Sample ID: TEST PIT #8

Lab Sample ID: A8970306

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Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
Styrene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
tert-Butylbenzene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Tetrachloroethene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Toluene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Total Xylenes	18	J	86	UG/KG	8260	08/12/2008	21:15	LH
trans-1,2-Dichloroethene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
trans-1,3-Dichloropropene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Trichloroethene	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Trichlorofluoromethane	ND		29	UG/KG	8260	08/12/2008	21:15	LH
Vinyl chloride	ND		58	UG/KG	8260	08/12/2008	21:15	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		210	UG/KG	8270	08/12/2008	14:01	MD
2,4,5-Trichlorophenol	ND		210	UG/KG	8270	08/12/2008	14:01	MD
2,4,6-Trichlorophenol	ND		210	UG/KG	8270	08/12/2008	14:01	MD
2,4-Dichlorophenol	ND		210	UG/KG	8270	08/12/2008	14:01	MD
2,4-Dimethylphenol	ND		210	UG/KG	8270	08/12/2008	14:01	MD
2,4-Dinitrophenol	ND		400	UG/KG	8270	08/12/2008	14:01	MD
2,4-Dinitrotoluene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
2,6-Dinitrotoluene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
2-Chloronaphthalene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
2-Chlorophenol	ND		210	UG/KG	8270	08/12/2008	14:01	MD
2-Methylnaphthalene	15	J	210	UG/KG	8270	08/12/2008	14:01	MD
2-Methylphenol	ND		210	UG/KG	8270	08/12/2008	14:01	MD
2-Nitroaniline	ND		400	UG/KG	8270	08/12/2008	14:01	MD
2-Nitrophenol	ND		210	UG/KG	8270	08/12/2008	14:01	MD
3,3'-Dichlorobenzidine	ND		210	UG/KG	8270	08/12/2008	14:01	MD
3-Nitroaniline	ND		400	UG/KG	8270	08/12/2008	14:01	MD
4,6-Dinitro-2-methylphenol	ND		400	UG/KG	8270	08/12/2008	14:01	MD
4-Bromophenyl phenyl ether	ND		210	UG/KG	8270	08/12/2008	14:01	MD
4-Chloro-3-methylphenol	ND		210	UG/KG	8270	08/12/2008	14:01	MD
4-Chloroaniline	ND		210	UG/KG	8270	08/12/2008	14:01	MD
4-Chlorophenyl phenyl ether	ND		210	UG/KG	8270	08/12/2008	14:01	MD
4-Methylphenol	ND		210	UG/KG	8270	08/12/2008	14:01	MD
4-Nitroaniline	ND		400	UG/KG	8270	08/12/2008	14:01	MD
4-Nitrophenol	ND		400	UG/KG	8270	08/12/2008	14:01	MD
Acenaphthene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Acenaphthylene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Acetophenone	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Anthracene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Atrazine	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Benzaldehyde	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Benzo(a)anthracene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Benzo(a)pyrene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Benzo(b)fluoranthene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Benzo(ghi)perylene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Benzo(k)fluoranthene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Benzoic acid	ND		5800	UG/KG	8270	08/12/2008	14:01	MD
Biphenyl	ND		210	UG/KG	8270	08/12/2008	14:01	MD

Sample ID: TEST PIT #8

Lab Sample ID: A8970306

Date Collected: 08/01/2008

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Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Bis(2-chloroethoxy) methane	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Bis(2-chloroethyl) ether	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Bis(2-ethylhexyl) phthalate	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Butyl benzyl phthalate	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Caprolactam	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Carbazole	27	J	210	UG/KG	8270	08/12/2008	14:01	MD
Chrysene	34	BJ	210	UG/KG	8270	08/12/2008	14:01	MD
Di-n-butyl phthalate	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Di-n-octyl phthalate	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Dibenzo(a,h)anthracene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Dibenzofuran	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Diethyl phthalate	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Dimethyl phthalate	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Fluoranthene	13	J	210	UG/KG	8270	08/12/2008	14:01	MD
Fluorene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Hexachlorobenzene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Hexachlorobutadiene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Hexachlorocyclopentadiene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Hexachloroethane	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Indeno(1,2,3-cd)pyrene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Isophorone	ND		210	UG/KG	8270	08/12/2008	14:01	MD
N-Nitroso-Di-n-propylamine	ND		210	UG/KG	8270	08/12/2008	14:01	MD
N-nitrosodiphenylamine	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Naphthalene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Nitrobenzene	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Pentachlorophenol	520		400	UG/KG	8270	08/12/2008	14:01	MD
Phenanthrene	82	BJ	210	UG/KG	8270	08/12/2008	14:01	MD
Phenol	ND		210	UG/KG	8270	08/12/2008	14:01	MD
Pyrene	ND		210	UG/KG	8270	08/12/2008	14:01	MD

Sample ID: TEST PIT (1+4)

Lab Sample ID: A8970301

Date Collected: 08/01/2008

Time Collected: 09:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,1,2-Trichloroethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,1-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,1-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,2,4-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,2-Dibromoethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,2-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,2-Dichloroethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,2-Dichloroethene (Total)	ND		12	UG/KG	8260	08/12/2008	16:34	LH
1,2-Dichloropropane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,3,5-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,3-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
1,4-Dichlorobenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
2-Butanone	ND		31	UG/KG	8260	08/12/2008	16:34	LH
2-Hexanone	ND		31	UG/KG	8260	08/12/2008	16:34	LH
4-Methyl-2-pentanone	ND		31	UG/KG	8260	08/12/2008	16:34	LH
Acetone	6	BJ	31	UG/KG	8260	08/12/2008	16:34	LH
Benzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Bromodichloromethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Bromoform	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Bromomethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Carbon Disulfide	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Carbon Tetrachloride	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Chlorobenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Chloroethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Chloroform	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Chloromethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Cyclohexane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Dibromochloromethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Dichlorodifluoromethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Ethylbenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Isopropylbenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
m/p-Xylenes	ND		12	UG/KG	8260	08/12/2008	16:34	LH
Methyl acetate	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Methylcyclohexane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Methylene chloride	9		6	UG/KG	8260	08/12/2008	16:34	LH
n-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
n-Propylbenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Naphthalene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
o-Xylene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
p-Cymene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
sec-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH

Sample ID: TEST PIT (1+4)

Lab Sample ID: A8970301

Date Collected: 08/01/2008

Time Collected: 09:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - VOLATILES - 8260								
Styrene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
tert-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Tetrachloroethene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Toluene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Total Xylenes	ND		19	UG/KG	8260	08/12/2008	16:34	LH
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Trichloroethene	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Trichlorofluoromethane	ND		6	UG/KG	8260	08/12/2008	16:34	LH
Vinyl chloride	ND		12	UG/KG	8260	08/12/2008	16:34	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2,4,5-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2,4,6-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2,4-Dichlorophenol	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2,4-Dimethylphenol	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2,4-Dinitrophenol	ND		390	UG/KG	8270	08/12/2008	12:06	MD
2,4-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2,6-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2-Chloronaphthalene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2-Chlorophenol	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2-Methylnaphthalene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2-Methylphenol	ND		200	UG/KG	8270	08/12/2008	12:06	MD
2-Nitroaniline	ND		390	UG/KG	8270	08/12/2008	12:06	MD
2-Nitrophenol	ND		200	UG/KG	8270	08/12/2008	12:06	MD
3,3'-Dichlorobenzidine	ND		200	UG/KG	8270	08/12/2008	12:06	MD
3-Nitroaniline	ND		390	UG/KG	8270	08/12/2008	12:06	MD
4,6-Dinitro-2-methylphenol	ND		390	UG/KG	8270	08/12/2008	12:06	MD
4-Bromophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	12:06	MD
4-Chloro-3-methylphenol	ND		200	UG/KG	8270	08/12/2008	12:06	MD
4-Chloroaniline	ND		200	UG/KG	8270	08/12/2008	12:06	MD
4-Chlorophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	12:06	MD
4-Methylphenol	ND		200	UG/KG	8270	08/12/2008	12:06	MD
4-Nitroaniline	ND		390	UG/KG	8270	08/12/2008	12:06	MD
4-Nitrophenol	ND		390	UG/KG	8270	08/12/2008	12:06	MD
Acenaphthene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Acenaphthylene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Acetophenone	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Anthracene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Atrazine	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Benzaldehyde	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Benzo(a)anthracene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Benzo(a)pyrene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Benzo(b)fluoranthene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Benzo(ghi)perylene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Benzo(k)fluoranthene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Benzoic acid	ND		5700	UG/KG	8270	08/12/2008	12:06	MD
Biphenyl	ND		200	UG/KG	8270	08/12/2008	12:06	MD

Sample ID: TEST PIT (1+4)

Lab Sample ID: A8970301

Date Collected: 08/01/2008

Time Collected: 09:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Bis(2-chloroethoxy) methane	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Bis(2-chloroethyl) ether	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Butyl benzyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Caprolactam	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Carbazole	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Chrysene	27	BJ	200	UG/KG	8270	08/12/2008	12:06	MD
Di-n-butyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Di-n-octyl phthalate	9	J	200	UG/KG	8270	08/12/2008	12:06	MD
Dibenzo(a,h)anthracene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Dibenzofuran	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Diethyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Dimethyl phthalate	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Fluoranthene	10	J	200	UG/KG	8270	08/12/2008	12:06	MD
Fluorene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Hexachlorobenzene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Hexachlorobutadiene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Hexachlorocyclopentadiene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Hexachloroethane	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Indeno(1,2,3-cd)pyrene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Isophorone	ND		200	UG/KG	8270	08/12/2008	12:06	MD
N-Nitroso-Di-n-propylamine	ND		200	UG/KG	8270	08/12/2008	12:06	MD
N-nitrosodiphenylamine	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Naphthalene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Nitrobenzene	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Pentachlorophenol	ND		390	UG/KG	8270	08/12/2008	12:06	MD
Phenanthrene	34	BJ	200	UG/KG	8270	08/12/2008	12:06	MD
Phenol	ND		200	UG/KG	8270	08/12/2008	12:06	MD
Pyrene	ND		200	UG/KG	8270	08/12/2008	12:06	MD

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

R

TAL-4142 (0907)

Client: **OP-Tech** Project Manager: **Tom Rengert** Date: **8/8/08** Chain of Custody Number: **395199**
 Address: **6392 Decree Rd** Telephone Number (Area Code)/Fax Number: _____ Lab Number: _____
 City: **SYRACUSE** State: **NY** Zip Code: **13206** Site Contact: _____ Lab Contact: _____
 Project Name and Location (State): **Amp George Town / Post Excavation** Carrier/Waybill Number: _____
 Contract/Purchase Order/Quote No.: **SDCR0011**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							VOC	SVOC	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt		
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH							
Test Pit #1	8/1/08	9:30				X	X							2	X	X			
Test Pit #2	8/1/08	10:12				X	X							2	X	X			
Test Pit #3	8/1/08	10:40				X	X							2	X	X			
Test Pit #5	8/1/08	11:12				X	X							2	X	X			
Test Pit #6	8/1/08	12:36				X	X							2	X	X			
Test Pit #8	8/1/08	1:52				X	X							2	X	X			
Test Pit #11	8/4/08	9:38				X	X							2	X	X			
Test Pit #18	8/5/08	12:10				X	X							2	X	X			
Test Pit #21	8/5/08	1:00				X	X							2	X	X			
Test Pit #22	8/5/08	1:30				X	X							4	X	X			

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown 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): **Category A**

1. Relinquished By: McCarthy	Date: 8/8/08	Time: 17:13	1. Received By: R. English	Date: 08/08/08	Time: 17:13
2. Relinquished By: R. English	Date: 08/08/08	Time: 18:30	2. Received By: [Signature]	Date: 08/09/08	Time: 09:15
3. Relinquished By: _____	Date: _____	Time: _____	3. Received By: _____	Date: _____	Time: _____

Comments: _____

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

625.02

37/37

ANALYTICAL REPORT

Job#: A08-9704

Project#: NY5A9454

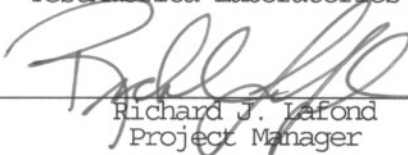
Site Name: DEC OP TECH

Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



Richard J. Lafond
Project Manager

08/15/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8970401	TEST PIT #13	SOIL	08/04/2008	11:20	08/09/2008	09:15
A8970402	TEST PIT #14	SOIL	08/04/2008	11:43	08/09/2008	09:15
A8970403	TEST PIT #15	SOIL	08/04/2008	11:55	08/09/2008	09:15

METHODS SUMMARY

Job#: A08-9704Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
8260 STARS List - Soil	SW8463 8260
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS	SW8463 8270

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9704Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9704

Sample Cooler(s) were received at the following temperature(s); 6@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
TEST PIT #14	A8970402DL	8260	4.00	008
TEST PIT #14	A8970402MS	8260	4.00	008
TEST PIT #14	A8970402SD	8260	4.00	008

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: TEST PIT #13

Lab Sample ID: A8970401

Date Collected: 08/04/2008

Time Collected: 11:20

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
OP-TECH - S - 8260 STARS LIST								
1,2,4-Trimethylbenzene	4	J	6	UG/KG	8260	08/12/2008	15:43	LH
1,3,5-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	15:43	LH
Benzene	ND		6	UG/KG	8260	08/12/2008	15:43	LH
Ethylbenzene	1	J	6	UG/KG	8260	08/12/2008	15:43	LH
Isopropylbenzene	ND		6	UG/KG	8260	08/12/2008	15:43	LH
m/p-Xylenes	2	J	11	UG/KG	8260	08/12/2008	15:43	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	08/12/2008	15:43	LH
n-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	15:43	LH
n-Propylbenzene	ND		6	UG/KG	8260	08/12/2008	15:43	LH
Naphthalene	2	BJ	6	UG/KG	8260	08/12/2008	15:43	LH
o-Xylene	4	J	6	UG/KG	8260	08/12/2008	15:43	LH
p-Cymene	ND		6	UG/KG	8260	08/12/2008	15:43	LH
sec-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	15:43	LH
tert-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	15:43	LH
Toluene	ND		6	UG/KG	8260	08/12/2008	15:43	LH
Total Xylenes	6	J	17	UG/KG	8260	08/12/2008	15:43	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2,4,5-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2,4,6-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2,4-Dichlorophenol	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2,4-Dimethylphenol	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2,4-Dinitrophenol	ND		380	UG/KG	8270	08/12/2008	15:56	MD
2,4-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2,6-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2-Chloronaphthalene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2-Chlorophenol	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2-Methylnaphthalene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2-Methylphenol	ND		200	UG/KG	8270	08/12/2008	15:56	MD
2-Nitroaniline	ND		380	UG/KG	8270	08/12/2008	15:56	MD
2-Nitrophenol	ND		200	UG/KG	8270	08/12/2008	15:56	MD
3,3'-Dichlorobenzidine	ND		200	UG/KG	8270	08/12/2008	15:56	MD
3-Nitroaniline	ND		380	UG/KG	8270	08/12/2008	15:56	MD
4,6-Dinitro-2-methylphenol	ND		380	UG/KG	8270	08/12/2008	15:56	MD
4-Bromophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	15:56	MD
4-Chloro-3-methylphenol	ND		200	UG/KG	8270	08/12/2008	15:56	MD
4-Chloroaniline	ND		200	UG/KG	8270	08/12/2008	15:56	MD
4-Chlorophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	15:56	MD
4-Methylphenol	ND		200	UG/KG	8270	08/12/2008	15:56	MD
4-Nitroaniline	ND		380	UG/KG	8270	08/12/2008	15:56	MD
4-Nitrophenol	ND		380	UG/KG	8270	08/12/2008	15:56	MD
Acenaphthene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Acenaphthylene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Acetophenone	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Anthracene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Atrazine	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Benzaldehyde	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Benzo(a)anthracene	ND		200	UG/KG	8270	08/12/2008	15:56	MD

DEC OP TECH
Camp Georgetown

Sample ID: TEST PIT #13

Lab Sample ID: A8970401

Date Collected: 08/04/2008

Time Collected: 11:20

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Benzo(a)pyrene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Benzo(b)fluoranthene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Benzo(ghi)perylene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Benzo(k)fluoranthene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Benzoic acid	ND		5500	UG/KG	8270	08/12/2008	15:56	MD
Biphenyl	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Bis(2-chloroethoxy) methane	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Bis(2-chloroethyl) ether	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Butyl benzyl phthalate	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Caprolactam	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Carbazole	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Chrysene	29	BJ	200	UG/KG	8270	08/12/2008	15:56	MD
Di-n-butyl phthalate	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Di-n-octyl phthalate	10	J	200	UG/KG	8270	08/12/2008	15:56	MD
Dibenzo(a,h)anthracene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Dibenzofuran	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Diethyl phthalate	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Dimethyl phthalate	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Fluoranthene	9	J	200	UG/KG	8270	08/12/2008	15:56	MD
Fluorene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Hexachlorobenzene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Hexachlorobutadiene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Hexachlorocyclopentadiene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Hexachloroethane	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Indeno(1,2,3-cd)pyrene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Isophorone	ND		200	UG/KG	8270	08/12/2008	15:56	MD
N-Nitroso-Di-n-propylamine	ND		200	UG/KG	8270	08/12/2008	15:56	MD
N-nitrosodiphenylamine	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Naphthalene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Nitrobenzene	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Pentachlorophenol	400		380	UG/KG	8270	08/12/2008	15:56	MD
Phenanthrene	24	BJ	200	UG/KG	8270	08/12/2008	15:56	MD
Phenol	ND		200	UG/KG	8270	08/12/2008	15:56	MD
Pyrene	10	J	200	UG/KG	8270	08/12/2008	15:56	MD

Sample ID: TEST PIT #14

Lab Sample ID: A8970402

Date Collected: 08/04/2008

Time Collected: 11:43

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
OP-TECH - S - 8260 STARS LIST								
1,2,4-Trimethylbenzene	4900	E	26	UG/KG	8260	08/12/2008	19:58	LH
1,3,5-Trimethylbenzene	3000	E	26	UG/KG	8260	08/12/2008	19:58	LH
Benzene	ND		26	UG/KG	8260	08/12/2008	19:58	LH
Ethylbenzene	60		26	UG/KG	8260	08/12/2008	19:58	LH
Isopropylbenzene	180		26	UG/KG	8260	08/12/2008	19:58	LH
m/p-Xylenes	1100		52	UG/KG	8260	08/12/2008	19:58	LH
Methyl-t-Butyl Ether (MTBE)	ND		26	UG/KG	8260	08/12/2008	19:58	LH
n-Butylbenzene	ND		26	UG/KG	8260	08/12/2008	19:58	LH
n-Propylbenzene	500		26	UG/KG	8260	08/12/2008	19:58	LH
Naphthalene	230	B	26	UG/KG	8260	08/12/2008	19:58	LH
o-Xylene	ND		26	UG/KG	8260	08/12/2008	19:58	LH
p-Cymene	250		26	UG/KG	8260	08/12/2008	19:58	LH
sec-Butylbenzene	280		26	UG/KG	8260	08/12/2008	19:58	LH
tert-Butylbenzene	ND		26	UG/KG	8260	08/12/2008	19:58	LH
Toluene	20	J	26	UG/KG	8260	08/12/2008	19:58	LH
Total Xylenes	1100		79	UG/KG	8260	08/12/2008	19:58	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2,4,5-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2,4,6-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2,4-Dichlorophenol	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2,4-Dimethylphenol	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2,4-Dinitrophenol	ND		400	UG/KG	8270	08/12/2008	16:19	MD
2,4-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2,6-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2-Chloronaphthalene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2-Chlorophenol	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2-Methylnaphthalene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2-Methylphenol	ND		200	UG/KG	8270	08/12/2008	16:19	MD
2-Nitroaniline	ND		400	UG/KG	8270	08/12/2008	16:19	MD
2-Nitrophenol	ND		200	UG/KG	8270	08/12/2008	16:19	MD
3,3'-Dichlorobenzidine	ND		200	UG/KG	8270	08/12/2008	16:19	MD
3-Nitroaniline	ND		400	UG/KG	8270	08/12/2008	16:19	MD
4,6-Dinitro-2-methylphenol	ND		400	UG/KG	8270	08/12/2008	16:19	MD
4-Bromophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	16:19	MD
4-Chloro-3-methylphenol	ND		200	UG/KG	8270	08/12/2008	16:19	MD
4-Chloroaniline	ND		200	UG/KG	8270	08/12/2008	16:19	MD
4-Chlorophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	16:19	MD
4-Methylphenol	ND		200	UG/KG	8270	08/12/2008	16:19	MD
4-Nitroaniline	ND		400	UG/KG	8270	08/12/2008	16:19	MD
4-Nitrophenol	ND		400	UG/KG	8270	08/12/2008	16:19	MD
Acenaphthene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Acenaphthylene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Acetophenone	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Anthracene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Atrazine	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Benzaldehyde	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Benzo(a)anthracene	ND		200	UG/KG	8270	08/12/2008	16:19	MD

Sample ID: TEST PIT #14

Lab Sample ID: A8970402

Date Collected: 08/04/2008

Time Collected: 11:43

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Benzo(a)pyrene	30	J	200	UG/KG	8270	08/12/2008	16:19	MD
Benzo(b)fluoranthene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Benzo(ghi)perylene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Benzo(k)fluoranthene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Benzoic acid	ND		5800	UG/KG	8270	08/12/2008	16:19	MD
Biphenyl	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Bis(2-chloroethoxy) methane	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Bis(2-chloroethyl) ether	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Butyl benzyl phthalate	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Caprolactam	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Carbazole	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Chrysene	36	BJ	200	UG/KG	8270	08/12/2008	16:19	MD
Di-n-butyl phthalate	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Di-n-octyl phthalate	11	J	200	UG/KG	8270	08/12/2008	16:19	MD
Dibenzo(a,h)anthracene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Dibenzofuran	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Diethyl phthalate	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Dimethyl phthalate	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Fluoranthene	16	J	200	UG/KG	8270	08/12/2008	16:19	MD
Fluorene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Hexachlorobenzene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Hexachlorobutadiene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Hexachlorocyclopentadiene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Hexachloroethane	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Indeno(1,2,3-cd)pyrene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Isophorone	ND		200	UG/KG	8270	08/12/2008	16:19	MD
N-Nitroso-Di-n-propylamine	ND		200	UG/KG	8270	08/12/2008	16:19	MD
N-nitrosodiphenylamine	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Naphthalene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Nitrobenzene	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Pentachlorophenol	ND		400	UG/KG	8270	08/12/2008	16:19	MD
Phenanthrene	44	BJ	200	UG/KG	8270	08/12/2008	16:19	MD
Phenol	ND		200	UG/KG	8270	08/12/2008	16:19	MD
Pyrene	19	J	200	UG/KG	8270	08/12/2008	16:19	MD

Sample ID: TEST PIT #14

Lab Sample ID: A8970402DL

Date Collected: 08/04/2008

Time Collected: 11:43

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
OP-TECH - S - 8260 STARS LIST								
1,2,4-Trimethylbenzene	3700	D	590	UG/KG	8260	08/13/2008	15:19	RJ
1,3,5-Trimethylbenzene	1800	D	590	UG/KG	8260	08/13/2008	15:19	RJ
Benzene	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
Ethylbenzene	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
Isopropylbenzene	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
m/p-Xylenes	300	DJ	1200	UG/KG	8260	08/13/2008	15:19	RJ
Methyl-t-Butyl Ether (MTBE)	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
n-Butylbenzene	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
n-Propylbenzene	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
Naphthalene	600	D	590	UG/KG	8260	08/13/2008	15:19	RJ
o-Xylene	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
p-Cymene	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
sec-Butylbenzene	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
tert-Butylbenzene	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
Toluene	ND		590	UG/KG	8260	08/13/2008	15:19	RJ
Total Xylenes	ND		1800	UG/KG	8260	08/13/2008	15:19	RJ

Sample ID: TEST PIT #15

Lab Sample ID: A8970403

Date Collected: 08/04/2008

Time Collected: 11:55

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
OP-TECH - S - 8260 STARS LIST								
1,2,4-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
1,3,5-Trimethylbenzene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
Benzene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
Ethylbenzene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
Isopropylbenzene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
m/p-Xylenes	ND		12	UG/KG	8260	08/12/2008	16:08	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	08/12/2008	16:08	LH
n-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
n-Propylbenzene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
Naphthalene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
o-Xylene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
p-Cymene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
sec-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
tert-Butylbenzene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
Toluene	ND		6	UG/KG	8260	08/12/2008	16:08	LH
Total Xylenes	ND		18	UG/KG	8260	08/12/2008	16:08	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2,4,5-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2,4,6-Trichlorophenol	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2,4-Dichlorophenol	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2,4-Dimethylphenol	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2,4-Dinitrophenol	ND		380	UG/KG	8270	08/12/2008	16:42	MD
2,4-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2,6-Dinitrotoluene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2-Chloronaphthalene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2-Chlorophenol	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2-Methylnaphthalene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2-Methylphenol	ND		200	UG/KG	8270	08/12/2008	16:42	MD
2-Nitroaniline	ND		380	UG/KG	8270	08/12/2008	16:42	MD
2-Nitrophenol	ND		200	UG/KG	8270	08/12/2008	16:42	MD
3,3'-Dichlorobenzidine	ND		200	UG/KG	8270	08/12/2008	16:42	MD
3-Nitroaniline	ND		380	UG/KG	8270	08/12/2008	16:42	MD
4,6-Dinitro-2-methylphenol	ND		380	UG/KG	8270	08/12/2008	16:42	MD
4-Bromophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	16:42	MD
4-Chloro-3-methylphenol	ND		200	UG/KG	8270	08/12/2008	16:42	MD
4-Chloroaniline	ND		200	UG/KG	8270	08/12/2008	16:42	MD
4-Chlorophenyl phenyl ether	ND		200	UG/KG	8270	08/12/2008	16:42	MD
4-Methylphenol	ND		200	UG/KG	8270	08/12/2008	16:42	MD
4-Nitroaniline	ND		380	UG/KG	8270	08/12/2008	16:42	MD
4-Nitrophenol	ND		380	UG/KG	8270	08/12/2008	16:42	MD
Acenaphthene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Acenaphthylene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Acetophenone	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Anthracene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Atrazine	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Benzaldehyde	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Benzo(a)anthracene	ND		200	UG/KG	8270	08/12/2008	16:42	MD

Sample ID: TEST PIT #15

Lab Sample ID: A8970403

Date Collected: 08/04/2008

Time Collected: 11:55

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Benzo(a)pyrene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Benzo(b)fluoranthene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Benzo(ghi)perylene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Benzo(k)fluoranthene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Benzoic acid	ND		5600	UG/KG	8270	08/12/2008	16:42	MD
Biphenyl	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Bis(2-chloroethoxy) methane	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Bis(2-chloroethyl) ether	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Bis(2-ethylhexyl) phthalate	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Butyl benzyl phthalate	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Caprolactam	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Carbazole	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Chrysene	29	BJ	200	UG/KG	8270	08/12/2008	16:42	MD
Di-n-butyl phthalate	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Di-n-octyl phthalate	15	J	200	UG/KG	8270	08/12/2008	16:42	MD
Dibenzo(a,h)anthracene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Dibenzofuran	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Diethyl phthalate	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Dimethyl phthalate	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Fluoranthene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Fluorene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Hexachlorobenzene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Hexachlorobutadiene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Hexachlorocyclopentadiene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Hexachloroethane	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Indeno(1,2,3-cd)pyrene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Isophorone	ND		200	UG/KG	8270	08/12/2008	16:42	MD
N-Nitroso-Di-n-propylamine	ND		200	UG/KG	8270	08/12/2008	16:42	MD
N-nitrosodiphenylamine	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Naphthalene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Nitrobenzene	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Pentachlorophenol	520		380	UG/KG	8270	08/12/2008	16:42	MD
Phenanthrene	18	BJ	200	UG/KG	8270	08/12/2008	16:42	MD
Phenol	ND		200	UG/KG	8270	08/12/2008	16:42	MD
Pyrene	14	J	200	UG/KG	8270	08/12/2008	16:42	MD

ANALYTICAL REPORT

Job Number: 220-6641-1

SDG Number: 220-6641

Job Description: Camp Georgetown / Post Remediation

For:

OP-TECH Environmental
6392 Deere Road
Syracuse, NY 13206

Attention: Mr. Tom Rengert



Designee for
Erin A Gaus
Project Manager I
erin.gaus@testamericainc.com
09/25/2008

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



METHOD SUMMARY

Client: OP-TECH Environmental

Job Number: 220-6641-1

Sdg Number: 220-6641

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL CT	SW846 8270C	
Automated Soxhlet Extraction	TAL CT		SW846 3541
Metals (ICP)	TAL CT	SW846 6010B	
Preparation, Metals	TAL CT		SW846 3050B

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.

SAMPLE SUMMARY

Client: OP-TECH Environmental

Job Number: 220-6641-1

Sdg Number: 220-6641

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-6641-1	Test pit#6/field order#9 westwall	Solid	09/18/2008 1000	09/23/2008 0945
220-6641-2	Test pit#6/field order#9 southwall	Solid	09/18/2008 1015	09/23/2008 0945
220-6641-3	Test pit#6/field order#9 eastwall	Solid	09/18/2008 1020	09/23/2008 0945

Mr. Tom Rengert
 OP-TECH Environmental
 6392 Deere Road
 Syracuse, NY 13206

Job Number: 220-6641-1
 Lab Sample Id: 220-6641-1
 Client Matrix: Solid
 Date Sampled: 09/18/2008 1000
 Date Received: 09/23/2008 0945
 % Moisture: 12.4

Client Sample ID: Test pit#6/field order#9 westwall

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	3500	ug/Kg	37	8270C	09/23/2008 1621	09/24/2008 1806	1.0
Benzo[a]anthracene	56 U	ug/Kg	56	8270C	09/23/2008 1621	09/24/2008 1806	1.0
Bis(2-ethylhexyl) phthalate	60 U	ug/Kg	60	8270C	09/23/2008 1621	09/24/2008 1806	1.0
METALS							
Arsenic	8.5	mg/Kg	0.77	6010B	09/24/2008 1159	09/25/2008 1205	1.0
Chromium	17.9	mg/Kg	0.35	6010B	09/24/2008 1159	09/25/2008 1205	1.0
Copper	17.9	mg/Kg	0.74	6010B	09/24/2008 1159	09/25/2008 1205	1.0
GENERAL CHEMISTRY							
Percent Moisture	12.4	%	0.100	PercentMoisture		09/23/2008 1650	1.0
Percent Solids	87.6	%	0.100	PercentMoisture		09/23/2008 1650	1.0

Mr. Tom Rengert
 OP-TECH Environmental
 6392 Deere Road
 Syracuse, NY 13206

Job Number: 220-6641-1
 Lab Sample Id: 220-6641-2
 Client Matrix: Solid
 Date Sampled: 09/18/2008 1015
 Date Received: 09/23/2008 0945
 % Moisture: 14.7

Client Sample ID: Test pit#6/field order#9 southwall

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	80 J	ug/Kg	37	8270C	09/23/2008 1621	09/24/2008 1832	1.0
Benzo[a]anthracene	56 U	ug/Kg	56	8270C	09/23/2008 1621	09/24/2008 1832	1.0
Bis(2-ethylhexyl) phthalate	60 U	ug/Kg	60	8270C	09/23/2008 1621	09/24/2008 1832	1.0
METALS							
Arsenic	8.1	mg/Kg	0.62	6010B	09/24/2008 1159	09/25/2008 1233	1.0
Chromium	16.9	mg/Kg	0.28	6010B	09/24/2008 1159	09/25/2008 1233	1.0
Copper	14.9	mg/Kg	0.60	6010B	09/24/2008 1159	09/25/2008 1233	1.0
GENERAL CHEMISTRY							
Percent Moisture	14.7	%	0.100	PercentMoisture		09/23/2008 1650	1.0
Percent Solids	85.3	%	0.100	PercentMoisture		09/23/2008 1650	1.0

Mr. Tom Rengert
 OP-TECH Environmental
 6392 Deere Road
 Syracuse, NY 13206

Job Number: 220-6641-1
 Lab Sample Id: 220-6641-3
 Client Matrix: Solid
 Date Sampled: 09/18/2008 1020
 Date Received: 09/23/2008 0945
 % Moisture: 14.5

Client Sample ID: Test pit#6/field order#9 eastwall

	Result/Qualifier	Unit	RL	Method	Date Prepared	Date Analyzed	Dilution
GC/MS SEMI VOA							
Pentachlorophenol	720 J	ug/Kg	38	8270C	09/23/2008 1621	09/24/2008 1859	1.0
Benzo[a]anthracene	58 U	ug/Kg	58	8270C	09/23/2008 1621	09/24/2008 1859	1.0
Bis(2-ethylhexyl) phthalate	62 U	ug/Kg	62	8270C	09/23/2008 1621	09/24/2008 1859	1.0
METALS							
Arsenic	9.9	mg/Kg	0.82	6010B	09/24/2008 1159	09/25/2008 1239	1.0
Chromium	21.6	mg/Kg	0.37	6010B	09/24/2008 1159	09/25/2008 1239	1.0
Copper	19.5	mg/Kg	0.79	6010B	09/24/2008 1159	09/25/2008 1239	1.0
GENERAL CHEMISTRY							
Percent Moisture	14.5	%	0.100	PercentMoisture		09/23/2008 1650	1.0
Percent Solids	85.5	%	0.100	PercentMoisture		09/23/2008 1650	1.0

DATA REPORTING QUALIFIERS

Client: OP-TECH Environmental

Job Number: 220-6641-1

Sdg Number: 220-6641

Lab Section	Qualifier	Description
GC/MS Semi VOA	J	Indicates an estimated value.
	U	Analyzed for but not detected.

OP-TECH Environmental Services
NYS DEC Camp Georgetown
3248 Crumb Hill Road
Georgetown, NY

Decon Pad

Post Excavation Sampling Log
 TOTAL SAMPLES - UC-4d =

2

Compounds	Remediation Goals	Decon Pad Pre	Decon Pad Post								
benzo (a) anthracene	1 ppm	ND	ND								
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND								
pentachlorophenol	0.8 ppm	0.71	0.32								
arsenic	13 ppm	8.9	7.3								
chromium	30 ppm	20.7	18.9								
copper	50 ppm	32.6	24.3								
2,3,7,8-TCDD TEQ	1 ppb	0.115	0.07								

ND = Non-Detect
 Bold and Yellow=
 Exceedance

OP-TECH Environmental Services, Inc
6392 Deere Road
Syracuse, NY 13206
 Phone (315) 463 -1643 Fax (315) 463-9764

LETTER OF TRANSMITTAL

Date: July 22, 2008

Job No.:

Attention: Michael Mason, PE

RE: Transmittal No. **033**

TO: NYS Department of Environmental Conservation
 Remedial Section A, Remedial Bureau E
 Division of Environmental Remediation
 625 Broadway, 12th Floor
 Albany, New York 12233-7017

Camp Georgetown Remedial Excavation
Contract No. D006614

WE ARE SENDING YOU: Attached Under a separate cover via _____ The following items:

Shop Drawings Change Order Prints Plans Specifications

Copy of Letter Samples Contract _____

COPIES	DATE	NUMBER	DESCRIPTION
1	July 22, 2008	1	Decon Pad Pre Mobilization Data-SVOCs-Metals
1	July 22, 2008	2	Decon Pad Pre Mobilization Data-Dioxins-Furans

THESE ARE TRANSMITTED as checked below:

For Approval Resubmitt _____ Copies for Approval Approved as Submitted

For Your Use Resubmit _____ Copies for distribution Approved as Noted

As Requested Return _____ Corrected Prints Returned for Corrections

For Review and Comment _____ FOR BIDS DUE _____ 20__

Remarks:

Mike

Please review the attached submittal. Should you have any questions please contact me.

Signed: _____ CC: _____

Tom Rengert - Project Manager



ANALYTICAL REPORT


Job#: A08-7760

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



Richard J. Lafond
Project Manager

07/10/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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/GS	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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED		RECEIVED	
			DATE	TIME	DATE	TIME
A8776001	AOC-A1	SOIL	06/27/2008	12:28	06/28/2008	09:00
A8776002	AOC-A2	SOIL	06/27/2008	12:28	06/28/2008	09:00
A8776008	AOC-B1	SOIL	06/27/2008	15:00	06/28/2008	09:00
A8776009	AOC-B2	SOIL	06/27/2008	15:10	06/28/2008	09:00
A8776010	AOC-C1	SOIL	06/27/2008	14:25	06/28/2008	09:00
A8776003	AOC-E1	SOIL	06/27/2008	14:00	06/28/2008	09:00
A8776004	AOC-F1	SOIL	06/27/2008	10:40	06/28/2008	09:00
A8776012	AOC-G1	SOIL	06/27/2008	13:00	06/28/2008	09:00
A8776005	AOC-H1	SOIL	06/27/2008	13:35	06/28/2008	09:00
A8776006	AOC-K1	SOIL	06/27/2008	13:40	06/28/2008	09:00
A8776007	AOC-L1	SOIL	06/27/2008	14:10	06/28/2008	09:00
A8776011	DECON-PAD-PRE	SOIL	06/27/2008	15:30	06/28/2008	09:00

* Included in this submittal

Sample ID: DECON-PAD-PRE
 Lab Sample ID: A8776011
 Date Collected: 06/27/2008
 Time Collected: 15:30

Date Received: 06/28/2008
 Project No: NY5A9454
 Client No: 135066
 Site No:

Parameter	Result	Flag	Detection		Date/Time		Analyst
			Limit	Units	Method	Analyzed	
SOIL - SW8463 - SEMIVOLATILES - 8270 (PRE-TES)							
2,3,4,6-Tetrachlorophenol	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
2,4,6-Trichlorophenol	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
2,4-Dimethylphenol	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
2-Methylnaphthalene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Acenaphthene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Acenaphthylene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Acetophenone	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Anthracene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Benzaldehyde	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Benzo(a)anthracene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Benzo(a)pyrene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Benzo(b)fluoranthene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Benzo(ghi)perylene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Benzo(k)fluoranthene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Biphenyl	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Bis(2-ethylhexyl) phthalate	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Chrysene	19	BJ	180	UG/KG	8270	07/03/2008 16:57	AJ
Dibenzo(a,h)anthracene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Dibenzofuran	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Fluoranthene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Fluorene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Indeno(1,2,3-cd)pyrene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Naphthalene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Pentachlorophenol	710		350	UG/KG	8270	07/03/2008 16:57	AJ
Phenanthrene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Phenol	ND		180	UG/KG	8270	07/03/2008 16:57	AJ
Pyrene	ND		180	UG/KG	8270	07/03/2008 16:57	AJ

Metals Analysis

Aluminum - Total	15100		11.2	MG/KG	6010	07/02/2008 12:49	SW
Antimony - Total	ND		16.7	MG/KG	6010	07/02/2008 12:49	SW
Arsenic - Total	8.9		2.2	MG/KG	6010	07/02/2008 12:49	SW
Barium - Total	83.1		0.56	MG/KG	6010	07/02/2008 12:49	SW
Beryllium - Total	0.60		0.22	MG/KG	6010	07/02/2008 12:49	SW
Cadmium - Total	ND		0.22	MG/KG	6010	07/02/2008 12:49	SW
Calcium - Total	1850		55.8	MG/KG	6010	07/02/2008 12:49	SW
Chromium - Total	20.7		0.56	MG/KG	6010	07/02/2008 12:49	SW
Cobalt - Total	16.1		0.56	MG/KG	6010	07/02/2008 12:49	SW
Copper - Total	32.6		1.1	MG/KG	6010	07/02/2008 12:49	SW
Iron - Total	33900		11.2	MG/KG	6010	07/02/2008 12:49	SW
Lead - Total	8.3		1.1	MG/KG	6010	07/02/2008 12:49	SW
Magnesium - Total	5350		22.3	MG/KG	6010	07/02/2008 12:49	SW
Manganese - Total	740		0.22	MG/KG	6010	07/02/2008 12:49	SW
Mercury - Total	ND		0.021	MG/KG	7471	07/02/2008 13:59	MM
Nickel - Total	32.8		0.56	MG/KG	6010	07/02/2008 12:49	SW
Potassium - Total	854		33.5	MG/KG	6010	07/02/2008 12:49	SW
Selenium - Total	ND		4.5	MG/KG	6010	07/02/2008 12:49	SW
Silver - Total	ND		0.56	MG/KG	6010	07/02/2008 12:49	SW
Sodium - Total	ND		156	MG/KG	6010	07/02/2008 12:49	SW

Date: 07/10/2008

Time: 18:52:49

DEC OP TECH
Camp Georgetown

24/25

Page: 16

Rept: AN1178

Sample ID: DECON-PAD-PRE

Lab Sample ID: A8776011

Date Collected: 06/27/2008

Time Collected: 15:30

Date Received: 06/28/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection	Units	Method	Date/Time		Analyst
			Limit			Analyzed		
Metals Analysis								
Thallium - Total	ND		6.7	MG/KG	6010	07/02/2008	12:49	SW
Vanadium - Total	17.3		0.56	MG/KG	6010	07/02/2008	12:49	SW
Zinc - Total	62.6		2.2	MG/KG	6010	07/02/2008	12:49	SW

**Chain of
Custody Record**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: **OP-TECH ENV.** Project Manager: **Tom Rengert** Date: **6/27/08** Chain of Custody Number: **387651**
 Address: **6390 DEER RD** Telephone Number (Area Code)/Fax Number: **315-463-1643** Lab Number: _____ Page **1** of **1**

City: **Syracuse** State: **NY** Zip Code: **13206** Site Contact: _____ Lab Contact: _____
 Project Name and Location (State): **Camp Georgetown, Georgetown, NY** Carrier/Waybill Number: _____
 Contract/Purchase Order/Quote No.: **SIDCROIL**

Analysis: Attach list if more space is needed

SVOCs/70	Dioxins	Furans	TC/PC/PCB	TE/TP/MBenic	PCPA & Nonyl
----------	---------	--------	-----------	--------------	--------------

Special Instructions/Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives						Analysis				
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH						
AOC-A1	6/27/08	12:28																
AOC-A2		12:28																
AOC-E1		200																
AOC-F1		10:48																
AOC-H1		1:35																
AOC-K1		1:40																
AOC-L1	6/27/08	210																
AOC-B1		300																
AOC-B2		310																
AOC-C1	6/27/08	225																
DECON-PAD-PRE	6/27/08	330																

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown 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: **5 DAY**

QC Requirements (Specify): **CATEGORY A Deliverables**

1. Relinquished By: [Signature]	Date: 06/27/08	Time: 17:11	1. Received By: Rengert	Date: 06/27/08	Time: 17:11
2. Relinquished By: Rengert	Date: 06/27/08	Time: 18:30	2. Received By: [Signature]	Date: 6-28-08	Time: 09:00
3. Relinquished By: _____	Date: _____	Time: _____	3. Received By: _____	Date: _____	Time: _____

Comments: **DISPOSAL Pre Characterization** **Dioxins/Furans to W. Sacramento - RE**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy **Balance to Buffalo**

25/25



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit.
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

July 14, 2008

TestAmerica Project Number: G8F280214

PO/Contract: SDCR0011

Tom Rengert
OP-TECH Environmental
6392 Deere Road
Syracuse, NY 13206

Dear Mr. Rengert,

This report contains the analytical results for the samples received under chain of custody by TestAmerica on June 28, 2008. These samples are associated with your Camp Georgetown project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl
Project Manager



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

July 14, 2008

TestAmerica Project Number: G8F280214
PO/Contract: SDCR0011

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6392 Deere Road
Syracuse, NY 13206

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This report contains the analytical results for the samples received under chain of custody by TestAmerica on June 28, 2008. These samples are associated with your Camp Georgetown project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



Karen Dahl
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G8F280214

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

SOLID, 8290, Dioxins/Furans

Samples: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Sample Data Sheets

Method Blank Reports

Laboratory QC Reports

SOLID, D 2216-90, %Moisture

Samples: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Sample Data Sheets

Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G8F280214

General Comments

Sample AOC-G1 was received but was not listed on the COC. Per your instructions on 6/30/08, this sample was analyzed by method 8290.

SOLID, 8290, Dioxins/Furans

Sample(s): 1, 1MS, 1MSD, 2, 4, 7, 8,

The 2,3,7,8-TCDF results for these samples were reported from confirmation analyses that occurred on 7/8/08.

Sample(s): 9, 11, 12

The 2,3,7,8-TCDF results for these samples were reported from confirmation analyses that occurred on 7/9/08.

Sample(s): 9

The 1,2,3,4,7,8-HxCDD result for this sample has been flagged with a 'JA' qualifier since its ion abundance ratio did not meet acceptance criteria. This result has been reported as an 'estimated maximum possible concentration' since its quantitation was based on a theoretical ion abundance ratio.

Sample(s): 1, 1MS, 1MSD, 2, 4, 7, 8, 9, 11, 12

These samples were analyzed at 10X dilutions on 7/8/08 due to high analyte levels that saturated the detector. Those results reported from a dilution have been flagged with a 'D' qualifier. Note: Some of the results still exceeded the upper calibration limit (but did not saturate the detector) and have been flagged with an 'E' qualifier. Historical data indicates that for this isotope dilution method, re-analysis at a further dilution will not produce significantly different results than those reported with an 'E' qualifier

Sample(s): 10

The OCDD result for this sample exceeded the upper calibration limit (but did not saturate the detector) and has been flagged with an 'E' qualifier. Historical data indicates that for this isotope dilution method, re-analysis at a dilution will not produce significantly different results than those reported with an 'E' qualifier.

Sample(s): 1, 1MS, 2, 4, 7, 8, 9, 12, 12

These samples have high recoveries for the 13C-OCDD internal standard due to high levels of OCDD in the samples. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated internal standard recoveries.

Case Narrative

TestAmerica West Sacramento Project Number G8F280214

Sample(s): 1, 1MS, 1MSD, 2

Theoretical areas were used to quantitate the 13C-1,2,3,4,6,7,8-HpCDF & 13C-OCDD internal standard recoveries (in the associated samples) since their ion abundance ratios did not meet acceptance criteria. There should be no impact on the data.

Sample(s): 4, 7, 8, 9

Theoretical areas were used to quantitate the 13C-OCDD internal standard recoveries (in the associated samples) since their ion abundance ratios did not meet acceptance criteria. There should be no impact on the data.

Sample(s): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

The matrix spikes, which were performed on sample 1, have many recoveries and RPDs outside control limits due to matrix interferences. Since the laboratory control sample met acceptance criteria, no corrective action was performed.

There were no other anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0616	Oregon*	CA 200005
Arkansas	04-067-0	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014002
Colorado	NA	Texas	TX 270-2004A
Connecticut	PH-0691	Utah*	QUANI
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C087
Hawaii	NA	West Virginia	9930C, 334
Kansas*	E10375	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613

*NELAP accredited. A more detailed parameter list is available upon request. Updated 9/21/07

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G8F280214

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
KQTV4	1	AOC-A1	6/27/2008 12:28 PM	6/28/2008 09:05 AM
KQTV4	1	AOC-A1 DUP	6/27/2008 12:28 PM	6/28/2008 09:05 AM
KQTV5	2	AOC-A2	6/27/2008 12:28 PM	6/28/2008 09:05 AM
KQTV6	3	AOC-E1	6/27/2008 02:00 PM	6/28/2008 09:05 AM
KQTV7	4	AOC-F1	6/27/2008 10:40 AM	6/28/2008 09:05 AM
KQTV8	5	AOC-H1	6/27/2008 01:35 PM	6/28/2008 09:05 AM
KQTV9	6	AOC-K1	6/27/2008 01:40 PM	6/28/2008 09:05 AM
KQTWA	7	AOC-L1	6/27/2008 02:10 PM	6/28/2008 09:05 AM
KQTWC	8	AOC-B1	6/27/2008 03:00 PM	6/28/2008 09:05 AM
KQTWD	9	AOC-B2	6/27/2008 03:10 PM	6/28/2008 09:05 AM
KQTWE	10	AOC-C1	6/27/2008 02:25 PM	6/28/2008 09:05 AM
<i>J</i> KQTFE	11	DECON-PAD-PRE	6/27/2008 03:30 PM	6/28/2008 09:05 AM
KQTWG	12	AOC-G1	6/27/2008 01:00 PM	6/28/2008 09:05 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: **OP-TECH ENV.** Project Manager: **Tom Rengert** Date: **6/27/08** Chain of Custody Number: **387651**

Address: **10390 DEER RD** Telephone Number (Area Code)/Fax Number: **315-463-1643** Lab Number: _____

City: **Syracuse, NY** Zip Code: **13206** Site Contact: _____ Lab Contact: _____

Project Name and Location (State): **CAMP George town, George town, NY** Carrier/Waybill Number: _____

Contract/Purchase Order/Quote No: **5120011**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives							Analysis (Attach list if more space is needed)	Special Instructions/Conditions of Receipt			
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc2	NaOH						
AOC-01	6/27/08	10:15	/				/	/	/	/	/	/	/	/	/	/	/		
AOC-02	6/27/08	11:28	/				/	/	/	/	/	/	/	/	/	/	/		
HU-01		70	/				/	/	/	/	/	/	/	/	/	/	/		
HU-T1		1:10	/				/	/	/	/	/	/	/	/	/	/	/		
HU-T11		1:15	/				/	/	/	/	/	/	/	/	/	/	/		
AOC-K1		1:40	/				/	/	/	/	/	/	/	/	/	/	/		
AOC-L1	6/27/08	2:10	/				/	/	/	/	/	/	/	/	/	/	/		
BOX B1		3:00	/				/	/	/	/	/	/	/	/	/	/	/		
AOC-B3		3:10	/				/	/	/	/	/	/	/	/	/	/	/		
AOC-L1	6/27/08	2:35	/				/	/	/	/	/	/	/	/	/	/	/		
DECON-PAD-TRE	6/27/08	2:30	/				/	/	/	/	/	/	/	/	/	/	/		

TestAmerica West Sacramento (916) 373-5600

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return To Client Disposal By Lab Archive For _____ Months

Turn Around Time Required: 24 Hours 48 Hours 7 Days 14 Days 21 Days Other **5 DAY**

QC Requirements (Specify): **CATEGORY A Deliverables**

1 Relinquished By: [Signature]	Date: 6/27/08	Time: 17:11	1 Received By: REnglish	Date: 6/27/08	Time: 17:11
2 Relinquished By: [Signature]	Date: 6/27/08	Time: 18:30	2 Received By: [Signature]	Date: 6-28-08	Time: 11:10
3 Relinquished By: _____	Date: _____	Time: _____	3 Received By: _____	Date: _____	Time: _____

Comments: **Disposal/Pre Placement** Dioxins/Furans to W. Sacramento REC

DISTRIBUTION: WHITE - Returned to Client with Report, CANARY - Stays with the Sample, PINK - Field Copy
 recd 6/28/08 6:30 am on 6-28-08

CLIENT OP-Tech PM KD LOG # 52809

LOT# (QUANTIMS ID) G8F280214 QUOTE# 79995 LOCATION WLOB

DATE RECEIVED 6-28-08 TIME RECEIVED 905 Initials kd Date 6-28-08

DELIVERED BY FEDEX CA OVERNIGHT CLIENT
 AIRBORNE GOLDENSTATE DHL
 UPS BAX GLOBAL GO-GETTERS
 TAL COURIER VALLEY LOGISTICS MORGAN HILL COURIER
 OTHER

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) 156133

SHIPPING CONTAINER(S) TAL CLIENT N/A

TEMPERATURE RECORD (IN °C) IR 4 5 OTHER _____

COC #(S) 387651

TEMPERATURE BLANK Observed: NA Corrected: _____

SAMPLE TEMPERATURE

Observed: 2 1 2 Average: 2 Corrected Average: 2

COLLECTOR'S NAME: Verified from COC Not on COC

pH MEASURED YES ANOMALY N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING
WETCHEM N/A
VOA-ENCORES N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A

CLOUSEAU TEMPERATURE EXCEEDED (2 °C - 6 °C)*1 N/A

WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED PM NOTIFIED

Notes: Reed - AOC-G1 not listed on COC

*1 Acceptable temperature range for State of Wisconsin samples is $\leq 4^{\circ}\text{C}$.

Lot ID: 8F280214

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ		(
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

SOLID, 8290, Dioxins/Furans

OP-TECH Environmental

Client Sample ID: DECON-PAD-PRE

Trace Level Organic Compounds

Lot-Sample #...: G8F280214-011 Work Order #...: KQTWF1AC Matrix.....: SOLID
 Date Sampled...: 06/27/08 Date Received...: 06/28/08
 Prep Date.....: 06/30/08 Analysis Date...: 07/03/08
 Prep Batch #...: 8183564
 Dilution Factor: 1
 % Moisture.....: 5.9

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	1.7		pg/g	SW846 8290
Total TCDD	22		pg/g	SW846 8290
1,2,3,7,8-PeCDD	16		pg/g	SW846 8290
Total PeCDD	30		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	32		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	100		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	73		pg/g	SW846 8290
Total HxCDD	470		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	3400 D		pg/g	SW846 8290
Total HpCDD	5600		pg/g	SW846 8290
OCDD	39000 D		pg/g	SW846 8290
2,3,7,8-TCDF	0.80 J, CON		pg/g	SW846 8290
Total TCDF	51		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	2.3	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	2.4	pg/g	SW846 8290
Total PeCDF	49		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	17		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	14		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	11		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.57	pg/g	SW846 8290
Total HxCDF	520		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	480 D		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	29 D		pg/g	SW846 8290
Total HpCDF	2000		pg/g	SW846 8290
OCDF	2000 D		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	82	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	116	(40 - 135)
13C-2,3,7,8-TCDF	80	(40 - 135)
13C-1,2,3,7,8-PeCDF	83	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 135)

(Continued on next page)

OP-TECH Environmental

Client Sample ID: DECON-PAD-PRE

Trace Level Organic Compounds

Lot-Sample #...: G8F280214-011 Work Order #...: KQTWF1AC Matrix.....: SOLID

NOTE (S) :

Results and reporting limits have been adjusted for dry weight.

D Result was obtained from the analysis of a dilution.

J Estimated result. Result is less than the reporting limit.

CON Confirmation analysis.

OP-TECH Environmental

Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: DECON-PAD-PRE

Lot-Sample #...: G8F280214 - 011
 Date Sampled...: 06/27/08
 Prep Date.....: 06/30/08
 Prep Batch #...: 8183564

Work Order #...: KQTFW1AC
 Date Received..: 06/28/08
 Analysis Date...: 07/03/08
 Dilution Factor: 1

Matrix.....: SOLID
 Instrument: 9D5
 Units.....: pg/g
 % Moisture: 5.9

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	1.7		1.000	1.7000
Total TCDD	22			
1,2,3,7,8-PeCDD	16		0.500	8.0000
Total PeCDD	30			
1,2,3,4,7,8-HxCDD	32		0.100	3.2000
1,2,3,6,7,8-HxCDD	100		0.100	10.0000
1,2,3,7,8,9-HxCDD	73		0.100	7.3000
Total HxCDD	470			
1,2,3,4,6,7,8-HpCDD	3400	D	0.010	34.0000
Total HpCDD	5600			
OCDD	39000	D	0.001	39.0000
2,3,7,8-TCDF	0.80	J CON	0.100	0.0800
Total TCDF	51			
1,2,3,7,8-PeCDF	ND	2.3	0.050	0
2,3,4,7,8-PeCDF	ND	2.4	0.500	0
Total PeCDF	49			
1,2,3,4,7,8-HxCDF	17		0.100	1.7000
1,2,3,6,7,8-HxCDF	14		0.100	1.4000
2,3,4,6,7,8-HxCDF	11		0.100	1.1000
1,2,3,7,8,9-HxCDF	ND	0.57	0.100	0
Total HxCDF	520			
1,2,3,4,6,7,8-HpCDF	480	D	0.010	4.8000
1,2,3,4,7,8,9-HpCDF	29	D	0.010	0.2900
Total HpCDF	2000			
OCDF	2000	D	0.001	2.0000
Total TEQ Concentration				114.5700

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	82	40 - 135
13C-1,2,3,7,8-PeCDD	82	40 - 135
13C-1,2,3,6,7,8-HxCDD	85	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 135
13C-OCDD	116	40 - 135
13C-2,3,7,8-TCDF	80	40 - 135
13C-1,2,3,7,8-PeCDF	83	40 - 135
13C-1,2,3,4,7,8-HxCDF	86	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

- CON Confirmation analysis.
- D Result was obtained from the analysis of a dilution.
- J Estimated result. Result is less than the reporting limit.

QC DATA ASSOCIATION SUMMARY

G8F280214

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
002	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
003	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
004	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
005	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
006	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
007	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
008	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
009	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
010	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
011	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
012	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8F280214 Work Order #...: KQX6G1AA Matrix.....: SOLID
 MB Lot-Sample #: G8G010000-564
 Prep Date.....: 06/30/08
 Analysis Date..: 07/02/08 Prep Batch #...: 8183564
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.043	pg/g	SW846 8290
Total TCDD	ND	0.078	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.076	pg/g	SW846 8290
Total PeCDD	ND	0.076	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.043	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.037	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.037	pg/g	SW846 8290
Total HxCDD	ND	0.072	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.056	pg/g	SW846 8290
Total HpCDD	ND	0.056	pg/g	SW846 8290
OCDD	ND	0.43	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.089	pg/g	SW846 8290
Total TCDF	ND	0.089	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.047	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.048	pg/g	SW846 8290
Total PeCDF	ND	0.099	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.026	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.023	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.025	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.028	pg/g	SW846 8290
Total HxCDF	ND	0.028	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.039	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.032	pg/g	SW846 8290
Total HpCDF	ND	0.039	pg/g	SW846 8290
OCDF	ND	0.059	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	82	(40 - 135)
13C-1,2,3,7,8-PeCDD	89	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	82	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	91	(40 - 135)
13C-OCDD	86	(40 - 135)
13C-2,3,7,8-TCDF	82	(40 - 135)
13C-1,2,3,7,8-PeCDF	88	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	85	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8F280214 Work Order #...: KQX6G1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8G010000-564
 Prep Date.....: 06/30/08 Analysis Date...: 07/02/08
 Prep Batch #...: 8183564
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	20.0	21.3	pg/g	107	SW846 8290
1,2,3,7,8-PeCDD	100	110	pg/g	110	SW846 8290
1,2,3,4,7,8-HxCDD	100	110	pg/g	110	SW846 8290
1,2,3,6,7,8-HxCDD	100	110	pg/g	110	SW846 8290
1,2,3,7,8,9-HxCDD	100	120	pg/g	120	SW846 8290
1,2,3,4,6,7,8-HpCDD	100	114	pg/g	114	SW846 8290
OCDD	200	249	pg/g	124	SW846 8290
2,3,7,8-TCDF	20.0	21.6	pg/g	108	SW846 8290
1,2,3,7,8-PeCDF	100	108	pg/g	108	SW846 8290
2,3,4,7,8-PeCDF	100	106	pg/g	106	SW846 8290
1,2,3,4,7,8-HxCDF	100	110	pg/g	110	SW846 8290
1,2,3,6,7,8-HxCDF	100	112	pg/g	112	SW846 8290
2,3,4,6,7,8-HxCDF	100	119	pg/g	119	SW846 8290
1,2,3,7,8,9-HxCDF	100	121	pg/g	121	SW846 8290
1,2,3,4,6,7,8-HpCDF	100	107	pg/g	107	SW846 8290
1,2,3,4,7,8,9-HpCDF	100	114	pg/g	114	SW846 8290
OCDF	200	214	pg/g	107	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	96	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	87	(40 - 135)
13C-1,2,3,7,8-PeCDF	94	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8F280214 Work Order #...: KQX6G1AC Matrix.....: SOLID
 LCS Lot-Sample#: G8G010000-564
 Prep Date.....: 06/30/08 Analysis Date...: 07/02/08
 Prep Batch #...: 8183564
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	107	(82 - 125)	SW846 8290
1,2,3,7,8-PeCDD	110	(81 - 128)	SW846 8290
1,2,3,4,7,8-HxCDD	110	(72 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	110	(82 - 133)	SW846 8290
1,2,3,7,8,9-HxCDD	120	(71 - 129)	SW846 8290
1,2,3,4,6,7,8-HpCDD	114	(82 - 134)	SW846 8290
OCDD	124	(74 - 144)	SW846 8290
2,3,7,8-TCDF	108	(80 - 132)	SW846 8290
1,2,3,7,8-PeCDF	108	(86 - 129)	SW846 8290
2,3,4,7,8-PeCDF	106	(84 - 136)	SW846 8290
1,2,3,4,7,8-HxCDF	110	(83 - 132)	SW846 8290
1,2,3,6,7,8-HxCDF	112	(74 - 148)	SW846 8290
2,3,4,6,7,8-HxCDF	119	(75 - 151)	SW846 8290
1,2,3,7,8,9-HxCDF	121	(70 - 143)	SW846 8290
1,2,3,4,6,7,8-HpCDF	107	(85 - 130)	SW846 8290
1,2,3,4,7,8,9-HpCDF	114	(78 - 130)	SW846 8290
OCDF	107	(77 - 143)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	96	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	95	(40 - 135)
13C-2,3,7,8-TCDF	87	(40 - 135)
13C-1,2,3,7,8-PeCDF	94	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	85	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	93	(40 - 135)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8F280214 Work Order #...: KQTV41AE-MS Matrix.....: SOLID
 MS Lot-Sample #: G8F280214-001 KQTV41AF-MSD
 Date Sampled...: 06/27/08 Date Received...: 06/28/08
 Prep Date.....: 06/30/08 Analysis Date...: 07/02/08
 Prep Batch #...: 8183564
 Dilution Factor: 1 % Moisture.....: 12

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2,3,7,8-TCDD	0.82	22.7	25.8	pg/g	110		SW846 8290
	0.82	22.7	21.4	pg/g	91	19	SW846 8290
1,2,3,7,8-PeCDD	18	113	147	pg/g	114		SW846 8290
	18	113	134	pg/g	102	9.5	SW846 8290
1,2,3,4,7,8-HxCDD	89	113	192	pg/g	91		SW846 8290
	89	113	161	pg/g	64 a	18	SW846 8290
1,2,3,6,7,8-HxCDD	720	113	713	pg/g	0.0 a		SW846 8290
	720	113	500	pg/g	0.0 a	0.0	SW846 8290
1,2,3,7,8,9-HxCDD	220	113	383	pg/g	148 a		SW846 8290
	220	113	260	pg/g	39 a,p	38	SW846 8290
1,2,3,4,6,7,8-HpCDD	19000	113	17200	pg/g	0.0		SW846 8290
	Qualifiers: a,D						
	19000	113	12000	pg/g	0.0	0.0	SW846 8290
	Qualifiers: a,D						
OCDD	94000	227	84800	pg/g	0.0		SW846 8290
	Qualifiers: a,D						
	94000	227	74900	pg/g	0.0	0.0	SW846 8290
	Qualifiers: a,D						
2,3,7,8-TCDF	3.1	22.7	25.7	pg/g	100		SW846 8290
	Qualifiers: CON						
	3.1	22.7	21.2	pg/g	80 CON	19	SW846 8290
1,2,3,7,8-PeCDF	20	113	143	pg/g	109		SW846 8290
	20	113	127	pg/g	94	12	SW846 8290
2,3,4,7,8-PeCDF	17	113	126	pg/g	96		SW846 8290
	17	113	124	pg/g	95	1.2	SW846 8290
1,2,3,4,7,8-HxCDF	180	113	280	pg/g	87		SW846 8290
	180	113	201	pg/g	17 a,p	33	SW846 8290
1,2,3,6,7,8-HxCDF	120	113	231	pg/g	97		SW846 8290
	120	113	154	pg/g	29 a,p	40	SW846 8290
2,3,4,6,7,8-HxCDF	67	113	213	pg/g	129		SW846 8290
	67	113	148	pg/g	72 a,p	36	SW846 8290
1,2,3,7,8,9-HxCDF	7.3	113	137	pg/g	114		SW846 8290
	7.3	113	106	pg/g	87 p	25	SW846 8290
1,2,3,4,6,7,8-HpCDF	15000	113	13200	pg/g	0.0		SW846 8290
	Qualifiers: a,D						
	15000	113	10100	pg/g	0.0	0.0	SW846 8290
	Qualifiers: a,D						
1,2,3,4,7,8,9-HpCDF	480	113	573	pg/g	81 D		SW846 8290
	480	113	462	pg/g	0.0	0.0	SW846 8290
	Qualifiers: a,D						

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8F280214 Work Order #...: KQTV41AE-MS Matrix.....: SOLID
 MS Lot-Sample #: G8F280214-001 KQTV41AF-MSD
 Date Sampled...: 06/27/08 Date Received...: 06/28/08
 Prep Date.....: 06/30/08 Analysis Date...: 07/02/08
 Prep Batch #...: 8183564
 Dilution Factor: 1 % Moisture.....: 12

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
2,3,7,8-TCDD	110	(82 - 125)			SW846 8290
	91	(82 - 125)	19	(0-20)	SW846 8290
1,2,3,7,8-PeCDD	114	(81 - 128)			SW846 8290
	102	(81 - 128)	9.5	(0-20)	SW846 8290
1,2,3,4,7,8-HxCDD	91	(72 - 134)			SW846 8290
	64 a	(72 - 134)	18	(0-20)	SW846 8290
1,2,3,6,7,8-HxCDD	0.0 a	(82 - 133)			SW846 8290
	0.0 a	(82 - 133)	0.0	(0-20)	SW846 8290
1,2,3,7,8,9-HxCDD	148 a	(71 - 129)			SW846 8290
	39 a,p	(71 - 129)	38	(0-20)	SW846 8290
1,2,3,4,6,7,8-HpCDD	0.0 a,D	(82 - 134)			SW846 8290
	0.0 a,D	(82 - 134)	0.0	(0-20)	SW846 8290
OCDD	0.0 a,D	(74 - 144)			SW846 8290
	0.0 a,D	(74 - 144)	0.0	(0-20)	SW846 8290
2,3,7,8-TCDF	100 CON	(80 - 132)			SW846 8290
	80 CON	(80 - 132)	19	(0-20)	SW846 8290
1,2,3,7,8-PeCDF	109	(86 - 129)			SW846 8290
	94	(86 - 129)	12	(0-20)	SW846 8290
2,3,4,7,8-PeCDF	96	(84 - 136)			SW846 8290
	95	(84 - 136)	1.2	(0-20)	SW846 8290
1,2,3,4,7,8-HxCDF	87	(83 - 132)			SW846 8290
	17 a,p	(83 - 132)	33	(0-20)	SW846 8290
1,2,3,6,7,8-HxCDF	97	(74 - 148)			SW846 8290
	29 a,p	(74 - 148)	40	(0-20)	SW846 8290
2,3,4,6,7,8-HxCDF	129	(75 - 151)			SW846 8290
	72 a,p	(75 - 151)	36	(0-20)	SW846 8290
1,2,3,7,8,9-HxCDF	114	(70 - 143)			SW846 8290
	87 p	(70 - 143)	25	(0-20)	SW846 8290
1,2,3,4,6,7,8-HpCDF	0.0 a,D	(85 - 130)			SW846 8290
	0.0 a,D	(85 - 130)	0.0	(0-20)	SW846 8290
1,2,3,4,7,8,9-HpCDF	81 D	(78 - 130)			SW846 8290
	0.0 a,D	(78 - 130)	0.0	(0-20)	SW846 8290
OCDF	0.0 a,DE	(77 - 143)			SW846 8290
	0.0 a,DE	(77 - 143)	0.0	(0-20)	SW846 8290

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8F280214 Work Order #...: KQTV41AE-MS Matrix.....: SOLID
 MS Lot-Sample #: G8F280214-001 KQTV41AF-MSD

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	92	(40 - 135)
	88	(40 - 135)
13C-1,2,3,7,8-PeCDD	93	(40 - 135)
	88	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	83	(40 - 135)
	80	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	105	(40 - 135)
	114	(40 - 135)
13C-OCDD	153 *	(40 - 135)
	124	(40 - 135)
13C-2,3,7,8-TCDF	93	(40 - 135)
	88	(40 - 135)
13C-1,2,3,7,8-PeCDF	97	(40 - 135)
	91	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	88	(40 - 135)
	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	102	(40 - 135)
	114	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results

Bold print denotes control parameters

Results and reporting limits have been adjusted for dry weight

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

D Result was obtained from the analysis of a dilution.

CON Confirmation analysis.

* Surrogate recovery is outside stated control limits.

SOLID, D 2216-90, %Moisture

OP-TECH Environmental

Client Sample ID: DECON-PAD-PRE

General Chemistry

Lot-Sample #...: G8F280214-011 Work Order #...: KQTWF Matrix.....: SOLID
Date Sampled...: 06/27/08 Date Received...: 06/28/08

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	5.9	0.10	%	ASTM D 2216-90	07/01-07/02/08	8183237

QC DATA ASSOCIATION SUMMARY

G8F280214

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
002	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
003	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
004	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
005	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
006	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
007	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
008	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
009	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
010	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
011	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121
012	SOLID	SW846 8290		8183564	8183297
	SOLID	ASTM D 2216-90		8183237	8183121

ANALYTICAL REPORT

Job#: A08-D022

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
1 Adler Dr.
E. SYRACUSE, NY 13057

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.

Richard J. Lafond
Project Manager

10/27/2008

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8D02201	ROAD UNDER DECON PAD	SOIL	10/16/2008	16:10	10/17/2008	09:15

METHODS SUMMARY

Job#: A08-D022

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-D022

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-D022

Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: ROAD UNDER DECON PAD

Date Received: 10/17/2008

Lab Sample ID: A8D02201

Project No: NY5A9454

Date Collected: 10/16/2008

Client No: 135066

Time Collected: 16:10

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		180		UG/KG	8270	10/23/2008	15:03	BWM
Bis(2-ethylhexyl) phthalate	ND		180		UG/KG	8270	10/23/2008	15:03	BWM
Pentachlorophenol	320	J	340		UG/KG	8270	10/23/2008	15:03	BWM
Metals Analysis									
Arsenic - Total	7.3		2.3		MG/KG	6010	10/22/2008	11:48	AH
Chromium - Total	18.9		0.57		MG/KG	6010	10/22/2008	11:48	AH
Copper - Total	24.3		1.1		MG/KG	6010	10/22/2008	11:48	AH

OP-TECH Environmental
Sample ID: ROAD UNDER DECON PAD SAMPLE #1
Trace Level Organic Compounds

SW846 8290

Lot - Sample #....:	G8J180176 - 001	Work Order #....:	K06GC1AC	Matrix....:	SOLID
Date Sampled....:	10/16/08	Date Received....:	10/18/08	Instrument ID....:	1D5
Prep Date....:	10/20/08	Analysis Date....:	10/31/08	% Moisture....:	11
Prep Batch #:	8305587	Dilution Factor....:	1	Units.....:	pg/g
Initial Wgt/Vol :	1 g	Analyst ID....:	Susan X. Yan		

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	5.0	1.000	0
Total TCDD	7.8			
1,2,3,7,8-PeCDD	ND	10	0.500	0
Total PeCDD	ND	10		0
1,2,3,4,7,8-HxCDD	ND	20	0.100	0
1,2,3,6,7,8-HxCDD	83		0.100	8.3
1,2,3,7,8,9-HxCDD	31	J	0.100	3.1
Total HxCDD	300			
1,2,3,4,6,7,8-HpCDD	2400	B	0.010	24
Total HpCDD	3800			
OCDD	28000	B	0.001	28
2,3,7,8-TCDF	ND	3.2	0.100	0
Total TCDF	34			
1,2,3,7,8-PeCDF	ND	4.9	0.050	0
2,3,4,7,8-PeCDF	ND	5.1	0.500	0
Total PeCDF	ND	16		0
1,2,3,4,7,8-HxCDF	ND	14	0.100	0
1,2,3,6,7,8-HxCDF	ND	12	0.100	0
2,3,4,6,7,8-HxCDF	ND	7.5	0.100	0
1,2,3,7,8,9-HxCDF	ND	4.4	0.100	0
Total HxCDF	340			
1,2,3,4,6,7,8-HpCDF	400		0.010	4.0
1,2,3,4,7,8,9-HpCDF	31	J	0.010	0.31
Total HpCDF	1500			
OCDF	1900		0.001	1.9
Total TEQ Concentration				70

OP-TECH Environmental
Sample ID: ROAD UNDER DECON PAD SAMPLE #1
Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G8J180176 - 001	Work Order #....: K06GC1AC	Matrix....: SOLID
Date Sampled....: 10/16/08	Date Received....: 10/18/08	Instrument ID....: ID5
Prep Date....: 10/20/08	Analysis Date....: 10/31/08	% Moisture....: 11
Prep Batch #: 8305587	Dilution Factor....: 1	Units....: pg/g
Initial Wgt/Vol : 1 g	Analyst ID....: Susan X. Yan	

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	79	40 - 135
13C-1,2,3,6,7,8-HxCDD	82	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	104	40 - 135
13C-OCDD	114	40 - 135
13C-2,3,7,8-TCDF	94	40 - 135
13C-1,2,3,7,8-PeCDF	93	40 - 135
13C-1,2,3,4,7,8-HxCDF	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	99	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.

OP-TECH Environmental Services
NYS DEC Camp Georgetown
3248 Crumb Hill Road
Georgetown, NY

Post Excavation Sampling Log

Compounds	Remediation Goals	Decon Pad Pre	Decon Pad Post
benzo (a) anthracene	1 ppm	ND	ND
bis (2-ethylhexyl) phthalate	50 ppm	ND	ND
pentachlorophenol	0.8 ppm	0.71	0.32
arsenic	13 ppm	8.9	7.3
chromium	30 ppm	20.7	18.9
copper	50 ppm	32.6	24.3
2,3,7,8-TCDD TEQ	1 ppb	0.115	0.07

ND = Non-Detect
Bold and Yellow=
Exceedance

ANALYTICAL REPORT

Job#: A08-D022

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
1 Adler Dr.
E. SYRACUSE, NY 13057

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.

Richard J. Lafond
Project Manager

10/27/2008

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8D02201	ROAD UNDER DECON PAD	SOIL	10/16/2008	16:10	10/17/2008	09:15

METHODS SUMMARY

Job#: A08-D022

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
Arsenic - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-D022

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-D022

Sample Cooler(s) were received at the following temperature(s); 4@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: ROAD UNDER DECON PAD

Date Received: 10/17/2008

Lab Sample ID: A8D02201

Project No: NY5A9454

Date Collected: 10/16/2008

Client No: 135066

Time Collected: 16:10

Site No:

Parameter	Result	Flag	Detection		Units	Method	Date/Time		Analyst
			Limit				Analyzed		
SOIL - SW8463 8270 - SVOA ORGANICS (AOC LIST)									
Benzo(a)anthracene	ND		180		UG/KG	8270	10/23/2008	15:03	BWM
Bis(2-ethylhexyl) phthalate	ND		180		UG/KG	8270	10/23/2008	15:03	BWM
Pentachlorophenol	320	J	340		UG/KG	8270	10/23/2008	15:03	BWM
Metals Analysis									
Arsenic - Total	7.3		2.3		MG/KG	6010	10/22/2008	11:48	AH
Chromium - Total	18.9		0.57		MG/KG	6010	10/22/2008	11:48	AH
Copper - Total	24.3		1.1		MG/KG	6010	10/22/2008	11:48	AH

OP-TECH Environmental
Sample ID: ROAD UNDER DECON PAD SAMPLE #1
Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G8J180176 - 001	Work Order #....: K06GC1AC	Matrix....: SOLID
Date Sampled....: 10/16/08	Date Received....: 10/18/08	Instrument ID....: 1D5
Prep Date....: 10/20/08	Analysis Date....: 10/31/08	% Moisture....: 11
Prep Batch #: 8305587	Dilution Factor....: 1	Units.....: pg/g
Initial Wgt/Vol : 1 g	Analyst ID....: Susan X. Yan	

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	5.0	1.000	0
Total TCDD	7.8			
1,2,3,7,8-PeCDD	ND	10	0.500	0
Total PeCDD	ND	10		0
1,2,3,4,7,8-HxCDD	ND	20	0.100	0
1,2,3,6,7,8-HxCDD	83		0.100	8.3
1,2,3,7,8,9-HxCDD	31	J	0.100	3.1
Total HxCDD	300			
1,2,3,4,6,7,8-HpCDD	2400	B	0.010	24
Total HpCDD	3800			
OCDD	28000	B	0.001	28
2,3,7,8-TCDF	ND	3.2	0.100	0
Total TCDF	34			
1,2,3,7,8-PeCDF	ND	4.9	0.050	0
2,3,4,7,8-PeCDF	ND	5.1	0.500	0
Total PeCDF	ND	16		0
1,2,3,4,7,8-HxCDF	ND	14	0.100	0
1,2,3,6,7,8-HxCDF	ND	12	0.100	0
2,3,4,6,7,8-HxCDF	ND	7.5	0.100	0
1,2,3,7,8,9-HxCDF	ND	4.4	0.100	0
Total HxCDF	340			
1,2,3,4,6,7,8-HpCDF	400		0.010	4.0
1,2,3,4,7,8,9-HpCDF	31	J	0.010	0.31
Total HpCDF	1500			
OCDF	1900		0.001	1.9
Total TEQ Concentration				70

OP-TECH Environmental
Sample ID: ROAD UNDER DECON PAD SAMPLE #1
Trace Level Organic Compounds

SW846 8290

Lot - Sample #....: G8J180176 - 001	Work Order #....: K06GC1AC	Matrix....: SOLID
Date Sampled....: 10/16/08	Date Received....: 10/18/08	Instrument ID....: ID5
Prep Date....: 10/20/08	Analysis Date....: 10/31/08	% Moisture....: 11
Prep Batch #: 8305587	Dilution Factor....: 1	Units....: pg/g
Initial Wgt/Vol : 1 g	Analyst ID....: Susan X. Yan	

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	40 - 135
13C-1,2,3,7,8-PeCDD	79	40 - 135
13C-1,2,3,6,7,8-HxCDD	82	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	104	40 - 135
13C-OCDD	114	40 - 135
13C-2,3,7,8-TCDF	94	40 - 135
13C-1,2,3,7,8-PeCDF	93	40 - 135
13C-1,2,3,4,7,8-HxCDF	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	99	40 - 135

QUALIFIERS

Results and reporting limits have been adjusted for dry weight.

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

- B Method blank contamination. The associated method blank contains the target analyte at a reportable level.
- J Estimated Result.

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

Post Excavation Sampling Log

TOTAL SAMPLES = 3
 TOTAL SAMPLES - UC-4G-CO#1 = 1

Stockpile Area Lab Summary_12-3-08

Compounds	Remedial Objectives	Stockpile Area - Pre	Stockpile Area - Post	Stockpile Area Redig	Pipe Trench Bottom							
SEMI-VOC (8270) Mg/kg												
benzo (a) anthracene	1.0	ND	NA	NA	NA							
bis (2-ethylhexyl) phthalate	50	ND	NA	NA	NA							
pentachlorophenol	0.8	4	5.6	29	7.9							
Metals Mg/kg												
arsenic	13	6.6	NA	NA	NA							
chromium	30	14.6	NA	NA	NA							
copper	50	13.4	NA	NA	NA							
Dioxins/Furans (TLOCc) Ug/Kg												
2,3,7,8-TCDD TEQ	1 ug/kg	1.85	0.056	N/A	N/A							

ND = Non Detect
 NA = Not analyzed
 Yellow and Bold = Exceedance
 Red and Bold second exceedance

ANALYTICAL REPORT

Job#: A08-C194

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.

Richard J. Lafond
Project Manager

10/10/2008

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8C19405	TEST PIT #14/BOTTOM	SOIL	10/02/2008	10:20	10/03/2008	09:05
A8C19403	TEST PIT #14/E-WALL	SOIL	10/02/2008	10:10	10/03/2008	09:05
A8C19401	TEST PIT #14/N-WALL	SOIL	10/02/2008	10:00	10/03/2008	09:05
A8C19402	TEST PIT #14/S-WALL	SOIL	10/02/2008	10:05	10/03/2008	09:05
A8C19404	TEST PIT #14/W-WALL	SOIL	10/02/2008	10:15	10/03/2008	09:05

METHODS SUMMARY

Job#: A08-C194

Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
8260 STARS List - Soil	SW8463 8260
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS	SW8463 8270

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-C194

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-C194

Sample Cooler(s) were received at the following temperature(s); 6 @ 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: TEST PIT #14/BOTTOM

Date Received: 10/03/2008

Lab Sample ID: A8C19405

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 10:20

Site No:

Parameter	Result	Flag	Detection			Date/Time		
			Limit	Units	Method	Analyzed	Analyst	
SOIL - SW846 - VOLATILE (STARS LIST) - 8260								
1,2,4-Trimethylbenzene	1	J	6	UG/KG	8260	10/06/2008	19:12	LH
1,3,5-Trimethylbenzene	6		6	UG/KG	8260	10/06/2008	19:12	LH
Benzene	ND		6	UG/KG	8260	10/06/2008	19:12	LH
Ethylbenzene	ND		6	UG/KG	8260	10/06/2008	19:12	LH
Isopropylbenzene	ND		6	UG/KG	8260	10/06/2008	19:12	LH
m/p-Xylenes	ND		11	UG/KG	8260	10/06/2008	19:12	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	10/06/2008	19:12	LH
n-Butylbenzene	ND		6	UG/KG	8260	10/06/2008	19:12	LH
n-Propylbenzene	ND		6	UG/KG	8260	10/06/2008	19:12	LH
Naphthalene	2	BJ	6	UG/KG	8260	10/06/2008	19:12	LH
o-Xylene	ND		6	UG/KG	8260	10/06/2008	19:12	LH
p-Cymene	1	J	6	UG/KG	8260	10/06/2008	19:12	LH
sec-Butylbenzene	ND		6	UG/KG	8260	10/06/2008	19:12	LH
tert-Butylbenzene	ND		6	UG/KG	8260	10/06/2008	19:12	LH
Toluene	ND		6	UG/KG	8260	10/06/2008	19:12	LH
Total Xylenes	ND		17	UG/KG	8260	10/06/2008	19:12	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2,4,5-Trichlorophenol	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2,4,6-Trichlorophenol	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2,4-Dichlorophenol	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2,4-Dimethylphenol	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2,4-Dinitrophenol	ND		370	UG/KG	8270	10/08/2008	23:04	AJ
2,4-Dinitrotoluene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2,6-Dinitrotoluene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2-Chloronaphthalene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2-Chlorophenol	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2-Methylnaphthalene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2-Methylphenol	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
2-Nitroaniline	ND		370	UG/KG	8270	10/08/2008	23:04	AJ
2-Nitrophenol	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
3,3'-Dichlorobenzidine	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
3-Nitroaniline	ND		370	UG/KG	8270	10/08/2008	23:04	AJ
4,6-Dinitro-2-methylphenol	ND		370	UG/KG	8270	10/08/2008	23:04	AJ
4-Bromophenyl phenyl ether	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
4-Chloro-3-methylphenol	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
4-Chloroaniline	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
4-Chlorophenyl phenyl ether	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
4-Methylphenol	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
4-Nitroaniline	ND		370	UG/KG	8270	10/08/2008	23:04	AJ
4-Nitrophenol	ND		370	UG/KG	8270	10/08/2008	23:04	AJ
Acenaphthene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Acenaphthylene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Acetophenone	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Anthracene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Atrazine	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Benzaldehyde	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Benzo(a)anthracene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ

Sample ID: TEST PIT #14/BOTTOM

Date Received: 10/03/2008

Lab Sample ID: A8C19405

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 10:20

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Benzo(a)pyrene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Benzo(b)fluoranthene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Benzo(ghi)perylene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Benzo(k)fluoranthene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Benzoic acid	ND		5300	UG/KG	8270	10/08/2008	23:04	AJ
Biphenyl	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Bis(2-chloroethoxy) methane	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Bis(2-chloroethyl) ether	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Butyl benzyl phthalate	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Caprolactam	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Carbazole	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Chrysene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Di-n-butyl phthalate	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Di-n-octyl phthalate	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Dibenzo(a,h)anthracene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Dibenzofuran	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Diethyl phthalate	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Dimethyl phthalate	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Fluoranthene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Fluorene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Hexachlorobenzene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Hexachlorobutadiene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Hexachlorocyclopentadiene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Hexachloroethane	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Indeno(1,2,3-cd)pyrene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Isophorone	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
N-Nitroso-Di-n-propylamine	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
N-nitrosodiphenylamine	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Naphthalene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Nitrobenzene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Pentachlorophenol	ND		370	UG/KG	8270	10/08/2008	23:04	AJ
Phenanthrene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Phenol	ND		190	UG/KG	8270	10/08/2008	23:04	AJ
Pyrene	ND		190	UG/KG	8270	10/08/2008	23:04	AJ

Sample ID: TEST PIT #14/E-WALL

Date Received: 10/03/2008

Lab Sample ID: A8C19403

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 10:10

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW846 - VOLATILE (STARS LIST) - 8260								
1,2,4-Trimethylbenzene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
1,3,5-Trimethylbenzene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
Benzene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
Ethylbenzene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
Isopropylbenzene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
m/p-Xylenes	ND		12	UG/KG	8260	10/06/2008	18:21	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	10/06/2008	18:21	LH
n-Butylbenzene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
n-Propylbenzene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
Naphthalene	1	BJ	6	UG/KG	8260	10/06/2008	18:21	LH
o-Xylene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
p-Cymene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
sec-Butylbenzene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
tert-Butylbenzene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
Toluene	ND		6	UG/KG	8260	10/06/2008	18:21	LH
Total Xylenes	ND		18	UG/KG	8260	10/06/2008	18:21	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2,4,5-Trichlorophenol	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2,4,6-Trichlorophenol	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2,4-Dichlorophenol	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2,4-Dimethylphenol	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2,4-Dinitrophenol	ND		380	UG/KG	8270	10/08/2008	22:18	AJ
2,4-Dinitrotoluene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2,6-Dinitrotoluene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2-Chloronaphthalene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2-Chlorophenol	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2-Methylnaphthalene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2-Methylphenol	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
2-Nitroaniline	ND		380	UG/KG	8270	10/08/2008	22:18	AJ
2-Nitrophenol	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
3,3'-Dichlorobenzidine	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
3-Nitroaniline	ND		380	UG/KG	8270	10/08/2008	22:18	AJ
4,6-Dinitro-2-methylphenol	ND		380	UG/KG	8270	10/08/2008	22:18	AJ
4-Bromophenyl phenyl ether	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
4-Chloro-3-methylphenol	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
4-Chloroaniline	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
4-Chlorophenyl phenyl ether	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
4-Methylphenol	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
4-Nitroaniline	ND		380	UG/KG	8270	10/08/2008	22:18	AJ
4-Nitrophenol	ND		380	UG/KG	8270	10/08/2008	22:18	AJ
Acenaphthene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Acenaphthylene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Acetophenone	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Anthracene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Atrazine	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Benzaldehyde	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Benzo(a)anthracene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ

Sample ID: TEST PIT #14/E-WALL

Date Received: 10/03/2008

Lab Sample ID: A8C19403

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 10:10

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Benzo(a)pyrene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Benzo(b)fluoranthene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Benzo(ghi)perylene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Benzo(k)fluoranthene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Benzoic acid	ND		5500	UG/KG	8270	10/08/2008	22:18	AJ
Biphenyl	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Bis(2-chloroethoxy) methane	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Bis(2-chloroethyl) ether	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Bis(2-ethylhexyl) phthalate	96	J	200	UG/KG	8270	10/08/2008	22:18	AJ
Butyl benzyl phthalate	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Caprolactam	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Carbazole	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Chrysene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Di-n-butyl phthalate	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Di-n-octyl phthalate	9	J	200	UG/KG	8270	10/08/2008	22:18	AJ
Dibenzo(a,h)anthracene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Dibenzofuran	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Diethyl phthalate	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Dimethyl phthalate	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Fluoranthene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Fluorene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Hexachlorobenzene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Hexachlorobutadiene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Hexachlorocyclopentadiene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Hexachloroethane	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Indeno(1,2,3-cd)pyrene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Isophorone	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
N-Nitroso-Di-n-propylamine	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
N-nitrosodiphenylamine	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Naphthalene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Nitrobenzene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Pentachlorophenol	ND		380	UG/KG	8270	10/08/2008	22:18	AJ
Phenanthrene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Phenol	ND		200	UG/KG	8270	10/08/2008	22:18	AJ
Pyrene	ND		200	UG/KG	8270	10/08/2008	22:18	AJ

Sample ID: TEST PIT #14/N-WALL

Date Received: 10/03/2008

Lab Sample ID: A8C19401

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 10:00

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW846 - VOLATILE (STARS LIST) - 8260								
1,2,4-Trimethylbenzene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
1,3,5-Trimethylbenzene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
Benzene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
Ethylbenzene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
Isopropylbenzene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
m/p-Xylenes	ND		11	UG/KG	8260	10/06/2008	19:37	LH
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	10/06/2008	19:37	LH
n-Butylbenzene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
n-Propylbenzene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
Naphthalene	2	BJ	5	UG/KG	8260	10/06/2008	19:37	LH
o-Xylene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
p-Cymene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
sec-Butylbenzene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
tert-Butylbenzene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
Toluene	ND		5	UG/KG	8260	10/06/2008	19:37	LH
Total Xylenes	ND		16	UG/KG	8260	10/06/2008	19:37	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2,4,5-Trichlorophenol	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2,4,6-Trichlorophenol	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2,4-Dichlorophenol	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2,4-Dimethylphenol	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2,4-Dinitrophenol	ND		360	UG/KG	8270	10/08/2008	21:33	AJ
2,4-Dinitrotoluene	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2,6-Dinitrotoluene	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2-Chloronaphthalene	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2-Chlorophenol	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2-Methylnaphthalene	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2-Methylphenol	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
2-Nitroaniline	ND		360	UG/KG	8270	10/08/2008	21:33	AJ
2-Nitrophenol	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
3,3'-Dichlorobenzidine	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
3-Nitroaniline	ND		360	UG/KG	8270	10/08/2008	21:33	AJ
4,6-Dinitro-2-methylphenol	ND		360	UG/KG	8270	10/08/2008	21:33	AJ
4-Bromophenyl phenyl ether	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
4-Chloro-3-methylphenol	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
4-Chloroaniline	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
4-Chlorophenyl phenyl ether	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
4-Methylphenol	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
4-Nitroaniline	ND		360	UG/KG	8270	10/08/2008	21:33	AJ
4-Nitrophenol	ND		360	UG/KG	8270	10/08/2008	21:33	AJ
Acenaphthene	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
Acenaphthylene	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
Acetophenone	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
Anthracene	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
Atrazine	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
Benzaldehyde	ND		190	UG/KG	8270	10/08/2008	21:33	AJ
Benzo(a)anthracene	ND		190	UG/KG	8270	10/08/2008	21:33	AJ

Sample ID: TEST PIT #14/N-WALL

Date Received: 10/03/2008

Lab Sample ID: A8C19401

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 10:00

Site No:

Parameter	Result	Flag	Detection		Date/Time		Analyst
			Limit	Units	Method	Analyzed	
SOIL - SW8463 - SEMIVOLATILES - 8270C							
Benzo(a)pyrene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Benzo(b)fluoranthene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Benzo(ghi)perylene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Benzo(k)fluoranthene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Benzoic acid	ND		5300	UG/KG	8270	10/08/2008 21:33	AJ
Biphenyl	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Bis(2-chloroethoxy) methane	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Bis(2-chloroethyl) ether	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Butyl benzyl phthalate	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Caprolactam	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Carbazole	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Chrysene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Di-n-butyl phthalate	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Di-n-octyl phthalate	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Dibenzo(a,h)anthracene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Dibenzofuran	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Diethyl phthalate	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Dimethyl phthalate	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Fluoranthene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Fluorene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Hexachlorobenzene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Hexachlorobutadiene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Hexachlorocyclopentadiene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Hexachloroethane	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Indeno(1,2,3-cd)pyrene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Isophorone	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
N-Nitroso-Di-n-propylamine	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
N-nitrosodiphenylamine	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Naphthalene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Nitrobenzene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Pentachlorophenol	ND		360	UG/KG	8270	10/08/2008 21:33	AJ
Phenanthrene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Phenol	ND		190	UG/KG	8270	10/08/2008 21:33	AJ
Pyrene	ND		190	UG/KG	8270	10/08/2008 21:33	AJ

Sample ID: TEST PIT #14/S-WALL

Date Received: 10/03/2008

Lab Sample ID: A8C19402

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 10:05

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW846 - VOLATILE (STARS LIST) - 8260								
1,2,4-Trimethylbenzene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
1,3,5-Trimethylbenzene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
Benzene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
Ethylbenzene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
Isopropylbenzene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
m/p-Xylenes	ND		11	UG/KG	8260	10/06/2008	17:56	LH
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	10/06/2008	17:56	LH
n-Butylbenzene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
n-Propylbenzene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
Naphthalene	1	BJ	5	UG/KG	8260	10/06/2008	17:56	LH
o-Xylene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
p-Cymene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
sec-Butylbenzene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
tert-Butylbenzene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
Toluene	ND		5	UG/KG	8260	10/06/2008	17:56	LH
Total Xylenes	ND		16	UG/KG	8260	10/06/2008	17:56	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2,4,5-Trichlorophenol	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2,4,6-Trichlorophenol	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2,4-Dichlorophenol	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2,4-Dimethylphenol	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2,4-Dinitrophenol	ND		440	UG/KG	8270	10/08/2008	21:56	AJ
2,4-Dinitrotoluene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2,6-Dinitrotoluene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2-Chloronaphthalene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2-Chlorophenol	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2-Methylnaphthalene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2-Methylphenol	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
2-Nitroaniline	ND		440	UG/KG	8270	10/08/2008	21:56	AJ
2-Nitrophenol	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
3,3'-Dichlorobenzidine	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
3-Nitroaniline	ND		440	UG/KG	8270	10/08/2008	21:56	AJ
4,6-Dinitro-2-methylphenol	ND		440	UG/KG	8270	10/08/2008	21:56	AJ
4-Bromophenyl phenyl ether	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
4-Chloro-3-methylphenol	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
4-Chloroaniline	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
4-Chlorophenyl phenyl ether	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
4-Methylphenol	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
4-Nitroaniline	ND		440	UG/KG	8270	10/08/2008	21:56	AJ
4-Nitrophenol	ND		440	UG/KG	8270	10/08/2008	21:56	AJ
Acenaphthene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Acenaphthylene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Acetophenone	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Anthracene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Atrazine	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Benzaldehyde	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Benzo(a)anthracene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ

Sample ID: TEST PIT #14/S-WALL

Date Received: 10/03/2008

Lab Sample ID: A8C19402

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 10:05

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Benzo(a)pyrene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Benzo(b)fluoranthene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Benzo(ghi)perylene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Benzo(k)fluoranthene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Benzoic acid	ND		6400	UG/KG	8270	10/08/2008	21:56	AJ
Biphenyl	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Bis(2-chloroethoxy) methane	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Bis(2-chloroethyl) ether	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Bis(2-ethylhexyl) phthalate	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Butyl benzyl phthalate	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Caprolactam	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Carbazole	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Chrysene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Di-n-butyl phthalate	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Di-n-octyl phthalate	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Dibenzo(a,h)anthracene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Dibenzofuran	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Diethyl phthalate	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Dimethyl phthalate	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Fluoranthene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Fluorene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Hexachlorobenzene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Hexachlorobutadiene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Hexachlorocyclopentadiene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Hexachloroethane	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Indeno(1,2,3-cd)pyrene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Isophorone	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
N-Nitroso-Di-n-propylamine	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
N-nitrosodiphenylamine	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Naphthalene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Nitrobenzene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Pentachlorophenol	250	J	440	UG/KG	8270	10/08/2008	21:56	AJ
Phenanthrene	15	J	220	UG/KG	8270	10/08/2008	21:56	AJ
Phenol	ND		220	UG/KG	8270	10/08/2008	21:56	AJ
Pyrene	ND		220	UG/KG	8270	10/08/2008	21:56	AJ

Sample ID: TEST PIT #14/W-WALL

Date Received: 10/03/2008

Lab Sample ID: A8C19404

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 10:15

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW846 - VOLATILE (STARS LIST) - 8260								
1,2,4-Trimethylbenzene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
1,3,5-Trimethylbenzene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
Benzene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
Ethylbenzene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
Isopropylbenzene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
m/p-Xylenes	ND		11	UG/KG	8260	10/06/2008	18:47	LH
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	10/06/2008	18:47	LH
n-Butylbenzene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
n-Propylbenzene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
Naphthalene	1	BJ	6	UG/KG	8260	10/06/2008	18:47	LH
o-Xylene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
p-Cymene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
sec-Butylbenzene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
tert-Butylbenzene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
Toluene	ND		6	UG/KG	8260	10/06/2008	18:47	LH
Total Xylenes	ND		17	UG/KG	8260	10/06/2008	18:47	LH
SOIL - SW8463 - SEMIVOLATILES - 8270C								
2,2'-Oxybis(1-Chloropropane)	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
2,4,5-Trichlorophenol	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
2,4,6-Trichlorophenol	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
2,4-Dichlorophenol	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
2,4-Dimethylphenol	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
2,4-Dinitrophenol	ND		380	UG/KG	8270	10/08/2008	22:41	AJ
2,4-Dinitrotoluene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
2,6-Dinitrotoluene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
2-Chloronaphthalene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
2-Chlorophenol	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
2-Methylnaphthalene	13	J	190	UG/KG	8270	10/08/2008	22:41	AJ
2-Methylphenol	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
2-Nitroaniline	ND		380	UG/KG	8270	10/08/2008	22:41	AJ
2-Nitrophenol	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
3,3'-Dichlorobenzidine	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
3-Nitroaniline	ND		380	UG/KG	8270	10/08/2008	22:41	AJ
4,6-Dinitro-2-methylphenol	ND		380	UG/KG	8270	10/08/2008	22:41	AJ
4-Bromophenyl phenyl ether	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
4-Chloro-3-methylphenol	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
4-Chloroaniline	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
4-Chlorophenyl phenyl ether	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
4-Methylphenol	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
4-Nitroaniline	ND		380	UG/KG	8270	10/08/2008	22:41	AJ
4-Nitrophenol	ND		380	UG/KG	8270	10/08/2008	22:41	AJ
Acenaphthene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Acenaphthylene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Acetophenone	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Anthracene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Atrazine	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Benzaldehyde	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Benzo(a)anthracene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ

Sample ID: TEST PIT #14/W-WALL

Date Received: 10/03/2008

Lab Sample ID: A8C19404

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 10:15

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270C								
Benzo(a)pyrene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Benzo(b)fluoranthene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Benzo(ghi)perylene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Benzo(k)fluoranthene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Benzoic acid	ND		5500	UG/KG	8270	10/08/2008	22:41	AJ
Biphenyl	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Bis(2-chloroethoxy) methane	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Bis(2-chloroethyl) ether	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Bis(2-ethylhexyl) phthalate	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Butyl benzyl phthalate	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Caprolactam	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Carbazole	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Chrysene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Di-n-butyl phthalate	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Di-n-octyl phthalate	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Dibenzo(a,h)anthracene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Dibenzofuran	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Diethyl phthalate	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Dimethyl phthalate	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Fluoranthene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Fluorene	11	J	190	UG/KG	8270	10/08/2008	22:41	AJ
Hexachlorobenzene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Hexachlorobutadiene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Hexachlorocyclopentadiene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Hexachloroethane	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Indeno(1,2,3-cd)pyrene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Isophorone	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
N-Nitroso-Di-n-propylamine	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
N-nitrosodiphenylamine	35	J	190	UG/KG	8270	10/08/2008	22:41	AJ
Naphthalene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Nitrobenzene	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Pentachlorophenol	370	J	380	UG/KG	8270	10/08/2008	22:41	AJ
Phenanthrene	30	J	190	UG/KG	8270	10/08/2008	22:41	AJ
Phenol	ND		190	UG/KG	8270	10/08/2008	22:41	AJ
Pyrene	11	J	190	UG/KG	8270	10/08/2008	22:41	AJ

PARAMETERS	LIMITATION	MANN BROOK SAMPLING	
		Result	Detection Limit
Flow	100 gpm	NA	NA
pH	6.5-8.5	7.37	NA
Benzoic Acid	16.65 microg/l	ND	140
bis-2-Ethylhexyl-phthalate	5.0 microg/l	ND	5
2,6-Dinitrotoluene	5.0 microg/l	ND	5
Pentachlorophenol	1.0 microg/l	ND	5
PCBs-Arochlor 1254	0.09 microg/l	ND	0.51
2,3,7,8-TCDD Equivalent	0.7 picog/l	ND	NA
Aluminum, Total	100 microg/l	ND	200
Beryllium	3.0 microg/l	ND	2
Chromium	30.0 microg/l	ND	4
Iron	300 microg/l	280	50
Lead	25.0 microg/l	ND	5
Magnesium	35,000 microg/l	2,000	200
Manganese	300 microg/l	73	3
Nickel	100 microg/l	ND	10
Sodium	20,000 microg/l	17,000	1,000
Thallium	0.5 microg/l	ND	20

OP-TECH Environmental Services, Inc
6392 Deere Road
Syracuse, NY 13206
 Phone (315) 463 -1643 Fax (315) 463-9764

LETTER OF TRANSMITTAL

Date: July 22, 2008

Job No.:

Attention: Michael Mason, PE

RE: Transmittal No. **034**

TO: NYS Department of Environmental Conservation
 Remedial Section A, Remedial Bureau E
 Division of Environmental Remediation
 625 Broadway, 12th Floor
 Albany, New York 12233-7017

Camp Georgetown Remedial Excavation
Contract No. D006614

WE ARE SENDING YOU: Attached Under a separate cover via _____ The following items:

Shop Drawings Change Order Prints Plans Specifications

Copy of Letter Samples Contract _____

COPIES	DATE	NUMBER	DESCRIPTION
1	July 22, 2008	1	Mann Brook Pre Discharge Data-SVOCs-Metals-PCBs-Pest.-PH
1	July 22, 2008	2	Mann Brook Pre Discharge Data-Dioxins-Furans

THESE ARE TRANSMITTED as checked below:

For Approval Resubmitt _____ Copies for Approval Approved as Submitted

For Your Use Resubmit _____ Copies for distribution Approved as Noted

As Requested Return _____ Corrected Prints Returned for Corrections

For Review and Comment _____ FOR BIDS DUE _____ 20__

Remarks:

Mike

Please review the attached submittal. Should you have any questions please contact me.

Signed: _____ CC: _____

Tom Rengert - Project Manager



ANALYTICAL REPORT

Job#: A08-8157

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.

Richard J. Lafond
Project Manager

07/16/2008

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8815701	MANN BROOK(DISPOINT)	WATER	07/08/2008	07:00	07/09/2008	09:45

METHODS SUMMARY

Job#: A08-8157

Project#: NY5A9454
 Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270
METHOD 8081 - TCL PESTICIDES	SW8463 8081
METHOD 8082 - POLYCHLORINATED BIPHENYLS - Aqueous	SW8463 8082
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010
pH	A89/91 9040

References:

A89/91 "Analytical Services Protocol", New York State Department of Conservation, September 1989, Revised 1991

SW8463

"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-8157

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-8157

Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample ID: MANN BROOK(DISPOINT)

Date Received: 07/09/2008

Lab Sample ID: A8815701

Project No: NY5A9454

Date Collected: 07/08/2008

Client No: 135066

Time Collected: 07:00

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,1-Dichloroethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,1-Dichloroethene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,2-Dibromoethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,2-Dichloroethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,2-Dichloropropane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
2-Butanone	ND		5.0	UG/L	8260	07/16/2008	04:26	TRB
2-Hexanone	ND		5.0	UG/L	8260	07/16/2008	04:26	TRB
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	07/16/2008	04:26	TRB
Acetone	ND		5.0	UG/L	8260	07/16/2008	04:26	TRB
Benzene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Bromodichloromethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Bromoform	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Bromomethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Carbon Disulfide	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Carbon Tetrachloride	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Chlorobenzene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Chloroethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Chloroform	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Chloromethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Cyclohexane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Dibromochloromethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Dichlorodifluoromethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Ethylbenzene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Isopropylbenzene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Methyl acetate	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Methylcyclohexane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Methylene chloride	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Styrene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Tetrachloroethene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Toluene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Total Xylenes	ND		3.0	UG/L	8260	07/16/2008	04:26	TRB
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Trichloroethene	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Trichlorofluoromethane	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB
Vinyl chloride	ND		1.0	UG/L	8260	07/16/2008	04:26	TRB

Sample ID: MANN BROOK(DISPOINT)

Date Received: 07/09/2008

Lab Sample ID: A8815701

Project No: NY5A9454

Date Collected: 07/08/2008

Client No: 135066

Time Collected: 07:00

Site No:

Parameter	Result	Flag	Detection	Units	Method	Date/Time		Analyst
			Limit			Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
2,2'-Oxybis(1-Chloropropane)	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2,4,5-Trichlorophenol	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2,4,6-Trichlorophenol	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2,4-Dichlorophenol	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2,4-Dimethylphenol	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2,4-Dinitrophenol	ND		10	UG/L	8270	07/11/2008	15:23	AJ
2,4-Dinitrotoluene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2,6-Dinitrotoluene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2-Chloronaphthalene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2-Chlorophenol	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2-Methylnaphthalene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2-Methylphenol	ND		5	UG/L	8270	07/11/2008	15:23	AJ
2-Nitroaniline	ND		10	UG/L	8270	07/11/2008	15:23	AJ
2-Nitrophenol	ND		5	UG/L	8270	07/11/2008	15:23	AJ
3,3'-Dichlorobenzidine	ND		5	UG/L	8270	07/11/2008	15:23	AJ
3-Nitroaniline	ND		10	UG/L	8270	07/11/2008	15:23	AJ
4,6-Dinitro-2-methylphenol	ND		10	UG/L	8270	07/11/2008	15:23	AJ
4-Bromophenyl phenyl ether	ND		5	UG/L	8270	07/11/2008	15:23	AJ
4-Chloro-3-methylphenol	ND		5	UG/L	8270	07/11/2008	15:23	AJ
4-Chloroaniline	ND		5	UG/L	8270	07/11/2008	15:23	AJ
4-Chlorophenyl phenyl ether	ND		5	UG/L	8270	07/11/2008	15:23	AJ
4-Methylphenol	ND		5	UG/L	8270	07/11/2008	15:23	AJ
4-Nitroaniline	ND		10	UG/L	8270	07/11/2008	15:23	AJ
4-Nitrophenol	ND		10	UG/L	8270	07/11/2008	15:23	AJ
Acenaphthene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Acenaphthylene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Acetophenone	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Anthracene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Atrazine	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Benzaldehyde	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Benzo(a)anthracene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Benzo(a)pyrene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Benzo(b)fluoranthene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Benzo(ghi)perylene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Benzo(k)fluoranthene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Benzoic acid	ND		140	UG/L	8270	07/11/2008	15:23	AJ
Biphenyl	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Bis(2-chloroethoxy) methane	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Bis(2-chloroethyl) ether	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Bis(2-ethylhexyl) phthalate	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Butyl benzyl phthalate	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Caprolactam	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Carbazole	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Chrysene	0.5	BJ	5	UG/L	8270	07/11/2008	15:23	AJ
Di-n-butyl phthalate	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Di-n-octyl phthalate	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Dibenzo(a,h)anthracene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Dibenzofuran	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Diethyl phthalate	ND		5	UG/L	8270	07/11/2008	15:23	AJ

Sample ID: MANN BROOK(DISPOINT)

Date Received: 07/09/2008

Lab Sample ID: A8815701

Project No: NY5A9454

Date Collected: 07/08/2008

Client No: 135066

Time Collected: 07:00

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
Dimethyl phthalate	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Fluoranthene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Fluorene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Hexachlorobenzene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Hexachlorobutadiene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Hexachlorocyclopentadiene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Hexachloroethane	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Indeno(1,2,3-cd)pyrene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Isophorone	ND		5	UG/L	8270	07/11/2008	15:23	AJ
N-Nitroso-Di-n-propylamine	ND		5	UG/L	8270	07/11/2008	15:23	AJ
N-nitrosodiphenylamine	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Naphthalene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Nitrobenzene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Pentachlorophenol	ND		10	UG/L	8270	07/11/2008	15:23	AJ
Phenanthrene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Phenol	ND		5	UG/L	8270	07/11/2008	15:23	AJ
Pyrene	ND		5	UG/L	8270	07/11/2008	15:23	AJ
AQUEOUS - SW8463 - TCL PESTICIDES - 8081								
4,4'-DDD	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
4,4'-DDE	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
4,4'-DDT	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Aldrin	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
alpha-BHC	0.012	J	0.051	UG/L	8081	07/14/2008	13:24	TCH
alpha-Chlordane	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
beta-BHC	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
delta-BHC	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Dieldrin	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Endosulfan I	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Endosulfan II	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Endosulfan Sulfate	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Endrin	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Endrin aldehyde	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Endrin ketone	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
gamma-BHC (Lindane)	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
gamma-Chlordane	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Heptachlor	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Heptachlor epoxide	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Methoxychlor	ND		0.051	UG/L	8081	07/14/2008	13:24	TCH
Toxaphene	ND		0.51	UG/L	8081	07/14/2008	13:24	TCH
AQUEOUS - SW8463 - PCBS - 8082								
Aroclor 1016	ND		0.51	UG/L	8082	07/11/2008	14:26	DW
Aroclor 1221	ND		0.51	UG/L	8082	07/11/2008	14:26	DW
Aroclor 1232	ND		0.51	UG/L	8082	07/11/2008	14:26	DW
Aroclor 1242	ND		0.51	UG/L	8082	07/11/2008	14:26	DW
Aroclor 1248	ND		0.51	UG/L	8082	07/11/2008	14:26	DW
Aroclor 1254	ND		0.51	UG/L	8082	07/11/2008	14:26	DW
Aroclor 1260	ND		0.51	UG/L	8082	07/11/2008	14:26	DW

Sample ID: MANN BROOK(DISPOINT)

Date Received: 07/09/2008

Lab Sample ID: A8815701

Project No: NY5A9454

Date Collected: 07/08/2008

Client No: 135066

Time Collected: 07:00

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Metals Analysis								
Aluminum - Total	ND		0.20	MG/L	6010	07/11/2008	15:11	AH
Antimony - Total	ND		0.020	MG/L	6010	07/11/2008	15:11	AH
Arsenic - Total	ND		0.010	MG/L	6010	07/11/2008	15:11	AH
Barium - Total	0.026		0.0020	MG/L	6010	07/11/2008	15:11	AH
Beryllium - Total	ND		0.0020	MG/L	6010	07/11/2008	15:11	AH
Cadmium - Total	ND		0.0010	MG/L	6010	07/11/2008	15:11	AH
Calcium - Total	10		0.50	MG/L	6010	07/11/2008	15:11	AH
Chromium - Total	ND		0.0040	MG/L	6010	07/11/2008	15:11	AH
Cobalt - Total	ND		0.0040	MG/L	6010	07/11/2008	15:11	AH
Copper - Total	ND		0.010	MG/L	6010	07/11/2008	15:11	AH
Iron - Total	0.28		0.050	MG/L	6010	07/11/2008	15:11	AH
Lead - Total	ND		0.0050	MG/L	6010	07/11/2008	15:11	AH
Magnesium - Total	2.0		0.20	MG/L	6010	07/11/2008	15:11	AH
Manganese - Total	0.073		0.0030	MG/L	6010	07/11/2008	15:11	AH
Mercury - Total	ND		0.00020	MG/L	7470	07/10/2008	14:04	JA
Nickel - Total	ND		0.010	MG/L	6010	07/11/2008	15:11	AH
Potassium - Total	0.90		0.50	MG/L	6010	07/11/2008	15:11	AH
Selenium - Total	ND		0.015	MG/L	6010	07/11/2008	15:11	AH
Silver - Total	ND		0.0030	MG/L	6010	07/11/2008	15:11	AH
Sodium - Total	17.0		1.0	MG/L	6010	07/11/2008	15:11	AH
Thallium - Total	ND		0.020	MG/L	6010	07/11/2008	15:11	AH
Vanadium - Total	ND		0.0050	MG/L	6010	07/11/2008	15:11	AH
Zinc - Total	ND		0.010	MG/L	6010	07/11/2008	15:11	AH
Wet Chemistry Analysis								
pH	7.37		0	S.U.	9040	07/09/2008	21:36	RK

July 17, 2008

TestAmerica Project Number: G8G090240

PO/Contract: SDCR0011

Tom Rengert
OP-TECH Environmental
6392 Deere Road
Syracuse, NY 13206

Dear Mr. Rengert,

This report contains the analytical results for the sample received under chain of custody by TestAmerica on July 9, 2008. This sample is associated with your Camp Georgetown project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,



for
Karen Dahl
Project Manager

Table of Contents

TestAmerica West Sacramento Project Number G8G090240

Case Narrative

Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

WATER, 8290, Dioxins/Furans

Sample: 1

Sample Data Sheet

Method Blank Report

Laboratory QC Reports

Case Narrative

TestAmerica West Sacramento Project Number G8G090240

WATER, 8290, Dioxins/Furans

Sample: 1

The percent difference values for several analytes are above the method acceptance limit in the continuing calibration standard. This standard was analyzed after the associated samples. The associated samples are non-detect indicating a high bias. There is no adverse impact on the data quality.

The laboratory control sample (LCS) associated with this extraction batch has recoveries for 1,2,3,4,7,8-HxCDD and 1,2,3,7,8,9-HxCDD above the established control limits indicating a high bias. As these samples are non-detect for these compounds there is no adverse impact upon the data.

There were no other anomalies associated with this project.

TestAmerica Laboratories West Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	New York*	11666
Arizona	AZ0616	Oregon*	CA 200005
Arkansas	04-067-0	Pennsylvania	68-1272
California*	01119CA	South Carolina	87014002
Colorado	NA	Texas	TX 270-2004A
Connecticut	PH-0691	Utah*	QUAN1
Florida*	E87570	Virginia	00178
Georgia	960	Washington	C087
Hawaii	NA	West Virginia	9930C, 334
Kansas*	E10375	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613

*NELAP accredited. A more detailed parameter list is available upon request. Updated 9/21/07

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

TestAmerica West Sacramento Project Number G8G090240

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
KQ856	1	MANN BROOK	7/8/2008 07:00 AM	7/9/2008 09:10 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CLIENT OP Tech PM FD LOG # 52938

LOT# (QUANTIMS ID) G8G090240 QUOTE# 79995 LOCATION WSD

DATE RECEIVED 7/9/08 TIME RECEIVED 910 Initials JS Date 7/9/08

DELIVERED BY FEDEX CA OVERNIGHT CLIENT
 AIRBORNE GOLDENSTATE DHL
 UPS BAX GLOBAL GO-GETTERS
 TAL COURIER VALLEY LOGISTICS MORGAN HILL COURIER
 OTHER

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) 157203

SHIPPING CONTAINER(S) TAL CLIENT N/A

TEMPERATURE RECORD (IN °C) IR 4 5 OTHER _____

COC #(S) 394967

TEMPERATURE BLANK Observed: _____ Corrected: n/a

SAMPLE TEMPERATURE

Observed: 2 3 Average: 3 Corrected Average: 3

COLLECTOR'S NAME: Verified from COC Not on COC

pH MEASURED YES ANOMALY N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW _____ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM N/A

VOA-ENCORES N/A

METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A

COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A

CLOUSEAU TEMPERATURE EXCEEDED (2 °C - 6 °C)*1 N/A

WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED PM NOTIFIED

Notes: _____

*1 Acceptable temperature range for State of Wisconsin samples is $\leq 4^{\circ}\text{C}$.

Lot

ID:

G8G090240

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
AGB	2																			
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
___AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
___CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
___"CT																				
Encore																				
Folder/filter																				
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOA's

WATER, 8290, Dioxins/Furans

OP-TECH Environmental

Client Sample ID: MANN BROOK (DISCHARGE POINT)

Trace Level Organic Compounds

Lot-Sample #...: G8G090240-001 Work Order #...: KQ8561AA Matrix.....: WATER
 Date Sampled...: 07/08/08 Date Received...: 07/09/08
 Prep Date.....: 07/09/08 Analysis Date...: 07/14/08
 Prep Batch #...: 8192496
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.34	pg/L	SW846 8290
Total TCDD	ND	0.34	pg/L	SW846 8290
1,2,3,7,8-PeCDD	ND	0.48	pg/L	SW846 8290
Total PeCDD	ND	0.69	pg/L	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.48	pg/L	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.41	pg/L	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.41	pg/L	SW846 8290
Total HxCDD	ND	0.48	pg/L	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.74	pg/L	SW846 8290
Total HpCDD	ND	0.74	pg/L	SW846 8290
OCDD	ND	3.4	pg/L	SW846 8290
2,3,7,8-TCDF	ND	1.0	pg/L	SW846 8290
Total TCDF	ND	1.0	pg/L	SW846 8290
1,2,3,7,8-PeCDF	ND	0.28	pg/L	SW846 8290
2,3,4,7,8-PeCDF	ND	0.28	pg/L	SW846 8290
Total PeCDF	ND	0.30	pg/L	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.40	pg/L	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.19	pg/L	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.21	pg/L	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.24	pg/L	SW846 8290
Total HxCDF	ND	0.40	pg/L	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.63	pg/L	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.68	pg/L	SW846 8290
Total HpCDF	ND	0.68	pg/L	SW846 8290
OCDF	ND	1.4	pg/L	SW846 8290

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	75	(40 - 135)
13C-1,2,3,7,8-PeCDD	78	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	66	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
13C-OCDD	91	(40 - 135)
13C-2,3,7,8-TCDF	76	(40 - 135)
13C-1,2,3,7,8-PeCDF	81	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	88	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	92	(40 - 135)

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: MANN BROOK(DISCH. PT)

Lot-Sample #...: G8G090240 - 001	Work Order #...: KQ8561AA	Matrix....: WATER
Date Sampled...: 07/08/08	Date Received...: 07/09/08	Instrument: 9D5
Prep Date.....: 07/09/08	Analysis Date..: 07/14/08	Units.....: pg/L
Prep Batch #...: 8192496	Dilution Factor: 1	% Moisture:

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.34	1.000	0
Total TCDD	ND	0.34		0
1,2,3,7,8-PeCDD	ND	0.48	0.500	0
Total PeCDD	ND	0.69		0
1,2,3,4,7,8-HxCDD	ND	0.48	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.41	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.41	0.100	0
Total HxCDD	ND	0.48		0
1,2,3,4,6,7,8-HpCDD	ND	0.74	0.010	0
Total HpCDD	ND	0.74		0
OCDD	ND	3.4	0.001	0
2,3,7,8-TCDF	ND	1.0	0.100	0
Total TCDF	ND	1.0		0
1,2,3,7,8-PeCDF	ND	0.28	0.050	0
2,3,4,7,8-PeCDF	ND	0.28	0.500	0
Total PeCDF	ND	0.30		0
1,2,3,4,7,8-HxCDF	ND	0.40	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.19	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.21	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.24	0.100	0
Total HxCDF	ND	0.40		0
1,2,3,4,6,7,8-HpCDF	ND	0.63	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	0.68	0.010	0
Total HpCDF	ND	0.68		0
OCDF	ND	1.4	0.001	0
Total TEQ Concentration				0

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	75	40 - 135
13C-1,2,3,7,8-PeCDD	78	40 - 135
13C-1,2,3,6,7,8-HxCDD	66	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	94	40 - 135
13C-OCDD	91	40 - 135
13C-2,3,7,8-TCDF	76	40 - 135
13C-1,2,3,7,8-PeCDF	81	40 - 135
13C-1,2,3,4,7,8-HxCDF	88	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	92	40 - 135

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update U S Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

QC DATA ASSOCIATION SUMMARY

G8G090240

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8290		8192496	

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8G090240 Work Order #...: KRC2T1AA Matrix.....: WATER
 MB Lot-Sample #: G8G100000-496
 Prep Date.....: 07/09/08
 Analysis Date...: 07/14/08 Prep Batch #...: 8192496
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.33	pg/L	SW846 8290
Total TCDD	ND	0.48	pg/L	SW846 8290
1,2,3,7,8-PeCDD	ND	0.64	pg/L	SW846 8290
Total PeCDD	ND	0.64	pg/L	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.28	pg/L	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.23	pg/L	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.21	pg/L	SW846 8290
Total HxCDD	ND	0.46	pg/L	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.75	pg/L	SW846 8290
Total HpCDD	ND	0.75	pg/L	SW846 8290
OCDD	ND	2.5	pg/L	SW846 8290
2,3,7,8-TCDF	ND	0.78	pg/L	SW846 8290
Total TCDF	ND	0.78	pg/L	SW846 8290
1,2,3,7,8-PeCDF	ND	0.21	pg/L	SW846 8290
2,3,4,7,8-PeCDF	ND	0.22	pg/L	SW846 8290
Total PeCDF	ND	0.22	pg/L	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.19	pg/L	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.17	pg/L	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.27	pg/L	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.26	pg/L	SW846 8290
Total HxCDF	ND	0.27	pg/L	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.30	pg/L	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.43	pg/L	SW846 8290
Total HpCDF	ND	0.43	pg/L	SW846 8290
OCDF	ND	1.1	pg/L	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	79	(40 - 135)
13C-1,2,3,7,8-PeCDD	81	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	81	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	98	(40 - 135)
13C-OCDD	79	(40 - 135)
13C-2,3,7,8-TCDF	78	(40 - 135)
13C-1,2,3,7,8-PeCDF	86	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	98	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G090240 Work Order #...: KRC2T1AC Matrix.....: WATER
 LCS Lot-Sample#: G8G100000-496
 Prep Date.....: 07/09/08 Analysis Date...: 07/14/08
 Prep Batch #...: 8192496
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	102	(77 - 127)	SW846 8290
1,2,3,7,8-PeCDD	110	(78 - 129)	SW846 8290
1,2,3,4,7,8-HxCDD	143 a	(69 - 134)	SW846 8290
1,2,3,6,7,8-HxCDD	124	(82 - 129)	SW846 8290
1,2,3,7,8,9-HxCDD	144 a	(74 - 126)	SW846 8290
1,2,3,4,6,7,8-HpCDD	109	(86 - 126)	SW846 8290
OCDD	106	(77 - 139)	SW846 8290
2,3,7,8-TCDF	103	(79 - 130)	SW846 8290
1,2,3,7,8-PeCDF	108	(84 - 128)	SW846 8290
2,3,4,7,8-PeCDF	107	(77 - 137)	SW846 8290
1,2,3,4,7,8-HxCDF	115	(86 - 126)	SW846 8290
1,2,3,6,7,8-HxCDF	111	(83 - 137)	SW846 8290
2,3,4,6,7,8-HxCDF	119	(82 - 143)	SW846 8290
1,2,3,7,8,9-HxCDF	124	(74 - 137)	SW846 8290
1,2,3,4,6,7,8-HpCDF	106	(86 - 127)	SW846 8290
1,2,3,4,7,8,9-HpCDF	109	(72 - 137)	SW846 8290
OCDF	106	(68 - 147)	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	87	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	94	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
13C-1,2,3,7,8-PeCDF	93	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	98	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G090240 Work Order #...: KRC2T1AC Matrix.....: WATER
 LCS Lot-Sample#: G8G100000-496
 Prep Date.....: 07/09/08 Analysis Date...: 07/14/08
 Prep Batch #...: 8192496
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	204	pg/L	102	SW846 8290
1,2,3,7,8-PeCDD	1000	1100	pg/L	110	SW846 8290
1,2,3,4,7,8-HxCDD	1000	1430 a	pg/L	143	SW846 8290
1,2,3,6,7,8-HxCDD	1000	1240	pg/L	124	SW846 8290
1,2,3,7,8,9-HxCDD	1000	1440 a	pg/L	144	SW846 8290
1,2,3,4,6,7,8-HpCDD	1000	1090	pg/L	109	SW846 8290
OCDD	2000	2130	pg/L	106	SW846 8290
2,3,7,8-TCDF	200	206	pg/L	103	SW846 8290
1,2,3,7,8-PeCDF	1000	1080	pg/L	108	SW846 8290
2,3,4,7,8-PeCDF	1000	1070	pg/L	107	SW846 8290
1,2,3,4,7,8-HxCDF	1000	1150	pg/L	115	SW846 8290
1,2,3,6,7,8-HxCDF	1000	1110	pg/L	111	SW846 8290
2,3,4,6,7,8-HxCDF	1000	1190	pg/L	119	SW846 8290
1,2,3,7,8,9-HxCDF	1000	1240	pg/L	124	SW846 8290
1,2,3,4,6,7,8-HpCDF	1000	1060	pg/L	106	SW846 8290
1,2,3,4,7,8,9-HpCDF	1000	1090	pg/L	109	SW846 8290
OCDF	2000	2120	pg/L	106	SW846 8290

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	87	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	75	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	96	(40 - 135)
13C-OCDD	94	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
13C-1,2,3,7,8-PeCDF	93	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	91	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	98	(40 - 135)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

ANALYTICAL REPORT


Job#: A08-9701

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



Richard J. Lafond
Project Manager

08/13/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8970101	SEPTIC TANK #1	WATER	08/08/2008	09:40	08/09/2008	09:15

METHODS SUMMARY

Job#: A08-9701Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9701Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9701

Sample Cooler(s) were received at the following temperature(s); 6@2.0 °C
No voas listed on the COC but volume was received. Voas were logged in.

GC/MS Semivolatile Data

The spike recoveries for 4-Bromophenyl phenyl ether and Caprolactam were below laboratory quality control limits in the Matrix Spike Blank A8B2034101 and Matrix Spike Blank Duplicate A8B2034102. According to NELAC, if a large number of analytes are in the LCS, it becomes statistically likely that a few will be outside of control limits. Therefore, 3 analytes are allowed to fall outside the LCS control limits. No corrective action was required.

The Matrix Spike Blank A8B2034101 exceeded quality control limits for analytes Benzo(k)fluoranthene and Hexachlorobutadiene. Since the recoveries for these analytes are compliant in the Matrix Spike Blank Duplicate A8B2034102, no corrective action is required.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
SEPTIC TANK #1	A8970101	8270	10.00	012

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: SEPTIC TANK #1

Lab Sample ID: A8970101

Date Collected: 08/08/2008

Time Collected: 09:40

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
2,2'-Oxybis(1-Chloropropane)	ND		50	UG/L	8270	08/11/2008	14:01	MD
2,4,5-Trichlorophenol	ND		50	UG/L	8270	08/11/2008	14:01	MD
2,4,6-Trichlorophenol	ND		50	UG/L	8270	08/11/2008	14:01	MD
2,4-Dichlorophenol	ND		50	UG/L	8270	08/11/2008	14:01	MD
2,4-Dimethylphenol	ND		50	UG/L	8270	08/11/2008	14:01	MD
2,4-Dinitrophenol	ND		99	UG/L	8270	08/11/2008	14:01	MD
2,4-Dinitrotoluene	ND		50	UG/L	8270	08/11/2008	14:01	MD
2,6-Dinitrotoluene	ND		50	UG/L	8270	08/11/2008	14:01	MD
2-Chloronaphthalene	ND		50	UG/L	8270	08/11/2008	14:01	MD
2-Chlorophenol	ND		50	UG/L	8270	08/11/2008	14:01	MD
2-Methylnaphthalene	ND		50	UG/L	8270	08/11/2008	14:01	MD
2-Methylphenol	ND		50	UG/L	8270	08/11/2008	14:01	MD
2-Nitroaniline	ND		99	UG/L	8270	08/11/2008	14:01	MD
2-Nitrophenol	ND		50	UG/L	8270	08/11/2008	14:01	MD
3,3'-Dichlorobenzidine	ND		50	UG/L	8270	08/11/2008	14:01	MD
3-Nitroaniline	ND		99	UG/L	8270	08/11/2008	14:01	MD
4,6-Dinitro-2-methylphenol	ND		99	UG/L	8270	08/11/2008	14:01	MD
4-Bromophenyl phenyl ether	ND		50	UG/L	8270	08/11/2008	14:01	MD
4-Chloro-3-methylphenol	ND		50	UG/L	8270	08/11/2008	14:01	MD
4-Chloroaniline	ND		50	UG/L	8270	08/11/2008	14:01	MD
4-Chlorophenyl phenyl ether	ND		50	UG/L	8270	08/11/2008	14:01	MD
4-Methylphenol	ND		50	UG/L	8270	08/11/2008	14:01	MD
4-Nitroaniline	ND		99	UG/L	8270	08/11/2008	14:01	MD
4-Nitrophenol	ND		99	UG/L	8270	08/11/2008	14:01	MD
Acenaphthene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Acenaphthylene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Acetophenone	ND		50	UG/L	8270	08/11/2008	14:01	MD
Anthracene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Atrazine	ND		50	UG/L	8270	08/11/2008	14:01	MD
Benzaldehyde	ND		50	UG/L	8270	08/11/2008	14:01	MD
Benzo(a)anthracene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Benzo(a)pyrene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Benzo(b)fluoranthene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Benzo(ghi)perylene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Benzo(k)fluoranthene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Benzoic acid	ND		1500	UG/L	8270	08/11/2008	14:01	MD
Biphenyl	ND		50	UG/L	8270	08/11/2008	14:01	MD
Bis(2-chloroethoxy) methane	ND		50	UG/L	8270	08/11/2008	14:01	MD
Bis(2-chloroethyl) ether	ND		50	UG/L	8270	08/11/2008	14:01	MD
Bis(2-ethylhexyl) phthalate	ND		50	UG/L	8270	08/11/2008	14:01	MD
Butyl benzyl phthalate	ND		50	UG/L	8270	08/11/2008	14:01	MD
Caprolactam	ND		50	UG/L	8270	08/11/2008	14:01	MD
Carbazole	ND		50	UG/L	8270	08/11/2008	14:01	MD
Chrysene	5	BJ	50	UG/L	8270	08/11/2008	14:01	MD
Di-n-butyl phthalate	ND		50	UG/L	8270	08/11/2008	14:01	MD
Di-n-octyl phthalate	ND		50	UG/L	8270	08/11/2008	14:01	MD
Dibenzo(a,h)anthracene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Dibenzofuran	ND		50	UG/L	8270	08/11/2008	14:01	MD
Diethyl phthalate	ND		50	UG/L	8270	08/11/2008	14:01	MD

Sample ID: SEPTIC TANK #1

Lab Sample ID: A8970101

Date Collected: 08/08/2008

Time Collected: 09:40

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
Dimethyl phthalate	ND		50	UG/L	8270	08/11/2008	14:01	MD
Fluoranthene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Fluorene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Hexachlorobenzene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Hexachlorobutadiene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Hexachlorocyclopentadiene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Hexachloroethane	ND		50	UG/L	8270	08/11/2008	14:01	MD
Indeno(1,2,3-cd)pyrene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Isophorone	ND		50	UG/L	8270	08/11/2008	14:01	MD
N-Nitroso-Di-n-propylamine	ND		50	UG/L	8270	08/11/2008	14:01	MD
N-nitrosodiphenylamine	ND		50	UG/L	8270	08/11/2008	14:01	MD
Naphthalene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Nitrobenzene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Pentachlorophenol	89	J	99	UG/L	8270	08/11/2008	14:01	MD
Phenanthrene	ND		50	UG/L	8270	08/11/2008	14:01	MD
Phenol	ND		50	UG/L	8270	08/11/2008	14:01	MD
Pyrene	ND		50	UG/L	8270	08/11/2008	14:01	MD

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

R

TAL-4142 (0907)

Client: **OP-Tech** Project Manager: **Tom Rengert** Date: **8/8/08** Chain of Custody Number: **395151**

Address: **6392 Deere Rd** Telephone Number (Area Code)/Fax Number: _____ Lab Number: _____ Page **1** of **1**

City: **Syracuse** State: **NY** Zip Code: **13206** Site Contact: _____ Lab Contact: _____

Project Name and Location (State): **Camp Georgetown / Post Excavation** Carrier/Waybill Number: _____

Contract/Purchase Order/Quote No.: **SDCRO011**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt											
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260			8270	Pest	PCB	metal	Dioxin	low level RP	SVOC				
Effluent #2	8/8/08	11:30	X				9			13															Please Archive "Influent" samples pending go-ahead from OP Tech.	
Influent #2	8/8/08	1:00	X				9			13																
Septic Tank #1 (Rush)	8/8/08	9:40	X				1			2																

Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown 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: **Rush on Septic**

QC Requirements (Specify): **Category A**

1. Relinquished By: <i>[Signature]</i>	Date: 8/8/08 Time: 17:13	1. Received By: <i>[Signature]</i>	Date: 8/8/08 Time: 17:13
2. Relinquished By: <i>[Signature]</i>	Date: 08/08/08 Time: 18:30	2. Received By: <i>[Signature]</i>	Date: 8/9/08 Time: 09:15
3. Relinquished By: _____	Date: _____ Time: _____	3. Received By: _____	Date: _____ Time: _____

Comments: _____

6250c

11/11



OP-TECH Environmental Services, Inc



6392 Deere Road
Syracuse, NY 13206

Phone (315) 463 -1643 Fax (315) 463-9764

LETTER OF TRANSMITTAL

Date: August 12, 2008

Job No.

Attention: Michael Mason, PE

RE: Transmittal No. 41

TO: NYS Department of Environmental Conservation
 Remedial Section A, Remedial Bureau E
 Division of Environmental Remediation
 625 Broadway, 12th Floor
 Albany, New York 12233-7017

Camp Georgetown Remedial Excavation

Contract No. D006614

WE ARE SENDING YOU: Attached Under a separate cover via _____ The following items:

Shop Drawings Change Order Prints Plans Specifications

Copy of Letter Samples Contract _____

COPIES	DATE	NUMBER	DESCRIPTION
1	August 12, 2008	1	Stockpil Area Confirmatory Sampling Log
1	August 12, 2008	2	Stockpile Area VOC/Metals Data
1	August 12, 2008	3	Stockpile Area Dioxin/Furan Data
1	August 12, 2008	4	Stockpile Area Dioxin/Furan TEQ Data

THESE ARE TRANSMITTED as checked below:

For Approval Resubmitt _____ Copies for Approval Approved as Submitted

For Your Use Resubmit _____ Copies for distribution Approved as Noted

As Requested Return _____ Corrected Prints Returned for Corrections

For Review and Comment _____ FOR BIDS DUE _____ 20__

Remarks:

Signed: _____
Tom Rengert - Project Manager

CC: _____

OP-TECH Environmental Services
NYS DEC Camp Georgetown
3248 Crumb Hill Road
Georgetown, NY

Pre-Construction Characterization Laboratory Report

Compounds	Remedial Objectives	Stockpile Area - Pre	Stockpile Area - Post
SEMI-VOC (8270) Mg/kg			
benzo (a) anthracene	1.0	ND	
bis (2-ethylhexyl) phthalate	50	ND	
pentachlorophenol	0.8	4	
Metals Mg/kg			
arsenic	13	6.6	
chromium	30	14.6	
copper	50	13.4	
Dioxins/Furans (TLOCc) Ug/Kg			
2,3,7,8-TCDD TEQ	1 ug/kg	1.85	

ND = Non Detect

Yellow and Bold = Exceedance

ANALYTICAL REPORT

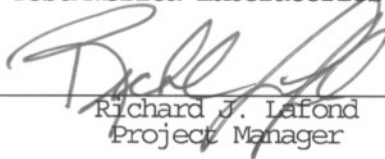
Job#: A08-8719

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.


Richard J. Lafond
Project Manager

07/31/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8871901	STOCKPILE	SOIL	07/10/2008	12:00	07/18/2008	09:15

METHODS SUMMARY

Job#: A08-8719Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8270	SW8463 8270
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7471
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-8719Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-8719

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
STOCKPILE	A8871901	8270	5.00	012

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: STOCKPILE

Date Received: 07/18/2008

Lab Sample ID: A8871901

Project No: NY5A9454

Date Collected: 07/10/2008

Client No: 135066

Time Collected: 12:00

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
SOIL - SW8463 - SEMIVOLATILES - 8270 (PRE-TEST)								
2,3,4,6-Tetrachlorophenol	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
2,4,6-Trichlorophenol	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
2,4-Dimethylphenol	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
2-Methylnaphthalene	64	BJ	920	UG/KG	8270	07/29/2008	21:56	JLG
2-Methylphenol	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
3/4-Methylphenol	ND		1800	UG/KG	8270	07/29/2008	21:56	JLG
Acenaphthene	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Acenaphthylene	98	J	920	UG/KG	8270	07/29/2008	21:56	JLG
Acetophenone	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Anthracene	68	J	920	UG/KG	8270	07/29/2008	21:56	JLG
Benzaldehyde	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Benzo(a)anthracene	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Benzo(a)pyrene	42	J	920	UG/KG	8270	07/29/2008	21:56	JLG
Benzo(b)fluoranthene	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Benzo(ghi)perylene	55	J	920	UG/KG	8270	07/29/2008	21:56	JLG
Benzo(k)fluoranthene	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Biphenyl	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Bis(2-ethylhexyl) phthalate	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Chrysene	160	J	920	UG/KG	8270	07/29/2008	21:56	JLG
Dibenzo(a,h)anthracene	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Dibenzofuran	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Fluoranthene	62	J	920	UG/KG	8270	07/29/2008	21:56	JLG
Fluorene	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Hexachlorobenzene	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Indeno(1,2,3-cd)pyrene	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Naphthalene	93	BJ	920	UG/KG	8270	07/29/2008	21:56	JLG
Pentachlorophenol	4000		1800	UG/KG	8270	07/29/2008	21:56	JLG
Phenanthrene	77	J	920	UG/KG	8270	07/29/2008	21:56	JLG
Phenol	ND		920	UG/KG	8270	07/29/2008	21:56	JLG
Pyrene	140	J	920	UG/KG	8270	07/29/2008	21:56	JLG

Metals Analysis

Aluminum - Total	12300		11.7	MG/KG	6010	07/23/2008	02:07	AH
Antimony - Total	ND		17.5	MG/KG	6010	07/23/2008	02:07	AH
Arsenic - Total	6.6		2.3	MG/KG	6010	07/23/2008	02:07	AH
Barium - Total	37.2		0.58	MG/KG	6010	07/23/2008	02:07	AH
Beryllium - Total	0.38		0.23	MG/KG	6010	07/23/2008	02:07	AH
Cadmium - Total	ND		0.23	MG/KG	6010	07/23/2008	02:07	AH
Calcium - Total	1700		58.4	MG/KG	6010	07/23/2008	02:07	AH
Chromium - Total	14.6		0.58	MG/KG	6010	07/23/2008	02:07	AH
Cobalt - Total	8.0		0.58	MG/KG	6010	07/23/2008	02:07	AH
Copper - Total	13.4		1.2	MG/KG	6010	07/23/2008	02:07	AH
Iron - Total	22800		11.7	MG/KG	6010	07/23/2008	02:07	AH
Lead - Total	11.4		1.2	MG/KG	6010	07/23/2008	02:07	AH
Magnesium - Total	2600		23.4	MG/KG	6010	07/23/2008	02:07	AH
Manganese - Total	329		0.23	MG/KG	6010	07/23/2008	02:07	AH
Mercury - Total	0.049		0.022	MG/KG	7471	07/25/2008	13:21	MM
Nickel - Total	17.3		0.58	MG/KG	6010	07/23/2008	02:07	AH
Potassium - Total	464		35.1	MG/KG	6010	07/23/2008	02:07	AH

Sample ID: STOCKPILE

Lab Sample ID: A8871901

Date Collected: 07/10/2008

Time Collected: 12:00

Date Received: 07/18/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
Metals Analysis								
Selenium - Total	ND		4.7	MG/KG	6010	07/23/2008	02:07	AH
Silver - Total	ND		0.58	MG/KG	6010	07/23/2008	02:07	AH
Sodium - Total	ND		164	MG/KG	6010	07/23/2008	02:07	AH
Thallium - Total	ND		7.0	MG/KG	6010	07/23/2008	02:07	AH
Vanadium - Total	17.4		0.58	MG/KG	6010	07/23/2008	02:07	AH
Zinc - Total	50.3		2.3	MG/KG	6010	07/23/2008	02:07	AH

OP-TECH Environmental

Client Sample ID: STOCKPILE

Trace Level Organic Compounds

Lot-Sample #...: G8G180281-001 Work Order #...: KRR0J2AC Matrix.....: SOLID
 Date Sampled...: 07/10/08 Date Received...: 07/18/08
 Prep Date.....: 07/31/08 Analysis Date...: 08/08/08
 Prep Batch #...: 8214402
 Dilution Factor: 40
 % Moisture.....: 8.3

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.9	pg/g	SW846 8290
Total TCDD	ND	33	pg/g	SW846 8290
1,2,3,7,8-PeCDD	110 J		pg/g	SW846 8290
Total PeCDD	110		pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	340		pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	2700		pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	1000		pg/g	SW846 8290
Total HxCDD	7800		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	76000		pg/g	SW846 8290
Total HpCDD	110000		pg/g	SW846 8290
OCDD	290000 E		pg/g	SW846 8290
2,3,7,8-TCDF	ND	10	pg/g	SW846 8290
Total TCDF	67		pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	67	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	56	pg/g	SW846 8290
Total PeCDF	420		pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	520		pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	250 JA		pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	210 J		pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	34	pg/g	SW846 8290
Total HxCDF	16000		pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	17000		pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	1100		pg/g	SW846 8290
Total HpCDF	81000		pg/g	SW846 8290
OCDF	63000		pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	85	(40 - 135)
13C-1,2,3,7,8-PeCDD	85	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	92	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	100	(40 - 135)
13C-OCDD	177 *	(40 - 135)
13C-2,3,7,8-TCDF	84	(40 - 135)
13C-1,2,3,7,8-PeCDF	82	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	59	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	95	(40 - 135)

(Continued on next page)

OP-TECH Environmental

Client Sample ID: STOCKPILE

Trace Level Organic Compounds

Lot-Sample #...: G8G180281-001 Work Order #...: KRR0J2AC Matrix.....: SOLID

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than the reporting limit.

E Estimated result. Result concentration exceeds the calibration range.

JA The analyte was positively identified, but the quantitation is an estimate.

* Surrogate recovery is outside stated control limits.

OP-TECH Environmental

Client Sample ID: STOCKPILE

General Chemistry

Lot-Sample #...: G8G180281-001 Work Order #...: KRR0J Matrix.....: SOLID
Date Sampled...: 07/10/08 Date Received...: 07/18/08
% Moisture.....: 8.3

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Moisture	8.3	0.10	%	ASTM D 2216-90	07/21-07/22/08	8203160
		Dilution Factor: 1		MDL.....: 0.10		

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8G180281
 MB Lot-Sample #: G8H010000-402

Work Order #...: KTH721AA

Matrix.....: SOLID

Prep Date.....: 07/31/08

Analysis Date...: 08/06/08

Prep Batch #...: 8214402

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	0.42	pg/g	SW846 8290
Total TCDD	ND	0.42	pg/g	SW846 8290
1,2,3,7,8-PeCDD	ND	0.43	pg/g	SW846 8290
Total PeCDD	ND	0.43	pg/g	SW846 8290
1,2,3,4,7,8-HxCDD	ND	0.68	pg/g	SW846 8290
1,2,3,6,7,8-HxCDD	ND	0.51	pg/g	SW846 8290
1,2,3,7,8,9-HxCDD	ND	0.52	pg/g	SW846 8290
Total HxCDD	ND	0.68	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDD	ND	0.38	pg/g	SW846 8290
Total HpCDD	ND	0.38	pg/g	SW846 8290
OCDD	ND	0.51	pg/g	SW846 8290
2,3,7,8-TCDF	ND	0.19	pg/g	SW846 8290
Total TCDF	ND	0.19	pg/g	SW846 8290
1,2,3,7,8-PeCDF	ND	0.36	pg/g	SW846 8290
2,3,4,7,8-PeCDF	ND	0.39	pg/g	SW846 8290
Total PeCDF	ND	0.39	pg/g	SW846 8290
1,2,3,4,7,8-HxCDF	ND	0.61	pg/g	SW846 8290
1,2,3,6,7,8-HxCDF	ND	0.50	pg/g	SW846 8290
2,3,4,6,7,8-HxCDF	ND	0.58	pg/g	SW846 8290
1,2,3,7,8,9-HxCDF	ND	0.65	pg/g	SW846 8290
Total HxCDF	ND	0.65	pg/g	SW846 8290
1,2,3,4,6,7,8-HpCDF	ND	0.24	pg/g	SW846 8290
1,2,3,4,7,8,9-HpCDF	ND	0.37	pg/g	SW846 8290
Total HpCDF	ND	0.37	pg/g	SW846 8290
OCDF	ND	0.54	pg/g	SW846 8290

INTERNAL STANDARDS	PERCENT	RECOVERY
	RECOVERY	LIMITS
13C-2,3,7,8-TCDD	94	(40 - 135)
13C-1,2,3,7,8-PeCDD	95	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	87	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	113	(40 - 135)
13C-OCDD	122	(40 - 135)
13C-2,3,7,8-TCDF	101	(40 - 135)
13C-1,2,3,7,8-PeCDF	85	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	104	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G180281 Work Order #...: KTH721AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: G8H010000-402 KTH721AD-LCSD
 Prep Date.....: 07/31/08 Analysis Date..: 08/08/08
 Prep Batch #...: 8214402
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
2,3,7,8-TCDD	122	(82 - 125)			SW846 8290
	123	(82 - 125)	1.2	(0-20)	SW846 8290
1,2,3,7,8-PeCDD	120	(81 - 128)			SW846 8290
	124	(81 - 128)	3.0	(0-20)	SW846 8290
1,2,3,4,7,8-HxCDD	127	(72 - 134)			SW846 8290
	129	(72 - 134)	1.8	(0-20)	SW846 8290
1,2,3,6,7,8-HxCDD	124	(82 - 133)			SW846 8290
	129	(82 - 133)	4.5	(0-20)	SW846 8290
1,2,3,7,8,9-HxCDD	131 a	(71 - 129)			SW846 8290
	139 a	(71 - 129)	5.7	(0-20)	SW846 8290
1,2,3,4,6,7,8-HpCDD	125	(82 - 134)			SW846 8290
	128	(82 - 134)	2.4	(0-20)	SW846 8290
OCDD	126	(74 - 144)			SW846 8290
	131	(74 - 144)	4.3	(0-20)	SW846 8290
2,3,7,8-TCDF	119	(80 - 132)			SW846 8290
	124	(80 - 132)	3.6	(0-20)	SW846 8290
1,2,3,7,8-PeCDF	125	(86 - 129)			SW846 8290
	129	(86 - 129)	3.3	(0-20)	SW846 8290
2,3,4,7,8-PeCDF	124	(84 - 136)			SW846 8290
	126	(84 - 136)	1.8	(0-20)	SW846 8290
1,2,3,4,7,8-HxCDF	120	(83 - 132)			SW846 8290
	124	(83 - 132)	2.8	(0-20)	SW846 8290
1,2,3,6,7,8-HxCDF	124	(74 - 148)			SW846 8290
	132	(74 - 148)	6.3	(0-20)	SW846 8290
2,3,4,6,7,8-HxCDF	123	(75 - 151)			SW846 8290
	141	(75 - 151)	14	(0-20)	SW846 8290
1,2,3,7,8,9-HxCDF	128	(70 - 143)			SW846 8290
	139	(70 - 143)	8.6	(0-20)	SW846 8290
1,2,3,4,6,7,8-HpCDF	123	(85 - 130)			SW846 8290
	128	(85 - 130)	4.1	(0-20)	SW846 8290
1,2,3,4,7,8,9-HpCDF	126	(78 - 130)			SW846 8290
	132 a	(78 - 130)	4.1	(0-20)	SW846 8290
OCDF	122	(77 - 143)			SW846 8290
	127	(77 - 143)	3.7	(0-20)	SW846 8290

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G180281 Work Order #...: KTH721AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: G8H010000-402 KTH721AD-LCSD

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	89	(40 - 135)
	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	97	(40 - 135)
	95	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	89	(40 - 135)
	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
	94	(40 - 135)
13C-OCDD	99	(40 - 135)
	97	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
	85	(40 - 135)
13C-1,2,3,7,8-PeCDF	91	(40 - 135)
	87	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	94	(40 - 135)
	91	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G180281 Work Order #...: KTH721AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: G8H010000-402 KTH721AD-LCSD
 Prep Date.....: 07/31/08 Analysis Date...: 08/08/08
 Prep Batch #...: 8214402
 Dilution Factor: 1

PARAMETER	SPIKE		MEASURED		PERCENT		METHOD
	AMOUNT	AMOUNT	UNITS	RECOVERY	RPD		
2,3,7,8-TCDD	20.0	24.3	pg/g	122			SW846 8290
	20.0	24.6	pg/g	123	1.2		SW846 8290
1,2,3,7,8-PeCDD	100	120	pg/g	120			SW846 8290
	100	124	pg/g	124	3.0		SW846 8290
1,2,3,4,7,8-HxCDD	100	127	pg/g	127			SW846 8290
	100	129	pg/g	129	1.8		SW846 8290
1,2,3,6,7,8-HxCDD	100	124	pg/g	124			SW846 8290
	100	129	pg/g	129	4.5		SW846 8290
1,2,3,7,8,9-HxCDD	100	131 a	pg/g	131			SW846 8290
	100	139 a	pg/g	139	5.7		SW846 8290
1,2,3,4,6,7,8-HpCDD	100	125	pg/g	125			SW846 8290
	100	128	pg/g	128	2.4		SW846 8290
OCDD	200	251	pg/g	126			SW846 8290
	200	262	pg/g	131	4.3		SW846 8290
2,3,7,8-TCDF	20.0	23.8	pg/g	119			SW846 8290
	20.0	24.7	pg/g	124	3.6		SW846 8290
1,2,3,7,8-PeCDF	100	125	pg/g	125			SW846 8290
	100	129	pg/g	129	3.3		SW846 8290
2,3,4,7,8-PeCDF	100	124	pg/g	124			SW846 8290
	100	126	pg/g	126	1.8		SW846 8290
1,2,3,4,7,8-HxCDF	100	120	pg/g	120			SW846 8290
	100	124	pg/g	124	2.8		SW846 8290
1,2,3,6,7,8-HxCDF	100	124	pg/g	124			SW846 8290
	100	132	pg/g	132	6.3		SW846 8290
2,3,4,6,7,8-HxCDF	100	123	pg/g	123			SW846 8290
	100	141	pg/g	141	14		SW846 8290
1,2,3,7,8,9-HxCDF	100	128	pg/g	128			SW846 8290
	100	139	pg/g	139	8.6		SW846 8290
1,2,3,4,6,7,8-HpCDF	100	123	pg/g	123			SW846 8290
	100	128	pg/g	128	4.1		SW846 8290
1,2,3,4,7,8,9-HpCDF	100	126	pg/g	126			SW846 8290
	100	132 a	pg/g	132	4.1		SW846 8290
OCDF	200	245	pg/g	122			SW846 8290
	200	254	pg/g	127	3.7		SW846 8290

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G180281 Work Order #...: KTH721AC-LCS Matrix.....: SOLID
 LCS Lot-Sample#: G8H010000-402 KTH721AD-LCSD

<u>INTERNAL STANDARD</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	89	(40 - 135)
	87	(40 - 135)
13C-1,2,3,7,8-PeCDD	97	(40 - 135)
	95	(40 - 135)
13C-1,2,3,6,7,8-HxCDD	89	(40 - 135)
	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDD	94	(40 - 135)
	94	(40 - 135)
13C-OCDD	99	(40 - 135)
	97	(40 - 135)
13C-2,3,7,8-TCDF	90	(40 - 135)
	85	(40 - 135)
13C-1,2,3,7,8-PeCDF	91	(40 - 135)
	87	(40 - 135)
13C-1,2,3,4,7,8-HxCDF	90	(40 - 135)
	86	(40 - 135)
13C-1,2,3,4,6,7,8-HpCDF	94	(40 - 135)
	91	(40 - 135)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: G8G180281

Work Order #...: KRL3C-SMP
KRL3C-DUP

Matrix.....: SOLID

Date Sampled...: 03/14/08

Date Received...: 07/16/08

% Moisture.....: 28

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u>	<u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
		<u>RESULT</u>		<u>RPD</u>				<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Percent Moisture	28.2	27.5	%	2.4	(0-20)	ASTM D 2216-90	SD Lot-Sample #: G8G160278-013	07/21-07/22/08	8203160

Dilution Factor: 1

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)

Client Sample ID: STOCKPILE

Lot-Sample #...: G8G180281 - 001
 Date Sampled...: 07/10/08
 Prep Date.....: 07/31/08
 Prep Batch #...: 8214402

Work Order #...: KRR0J2AC
 Date Received...: 07/18/08
 Analysis Date...: 08/08/08
 Dilution Factor: 40

Matrix.....: SOLID
 Instrument: 1D5
 Units.....: pg/g
 % Moisture: 8.3

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	3.9	1.000	0
Total TCDD	ND	33		0
1,2,3,7,8-PeCDD	110 J		0.500	55.0000
Total PeCDD	110			
1,2,3,4,7,8-HxCDD	340		0.100	34.0000
1,2,3,6,7,8-HxCDD	2700		0.100	270.0000
1,2,3,7,8,9-HxCDD	1000		0.100	100.0000
Total HxCDD	7800			
1,2,3,4,6,7,8-HpCDD	76000		0.010	760.0000
Total HpCDD	110000			
OCDD	290000 E		0.001	290.0000
2,3,7,8-TCDF	ND	10	0.100	0
Total TCDF	67			
1,2,3,7,8-PeCDF	ND	67	0.050	0
2,3,4,7,8-PeCDF	ND	56	0.500	0
Total PeCDF	420			
1,2,3,4,7,8-HxCDF	520		0.100	52.0000
1,2,3,6,7,8-HxCDF	250 JA		0.100	25.0000
2,3,4,6,7,8-HxCDF	210 J		0.100	21.0000
1,2,3,7,8,9-HxCDF	ND	34	0.100	0
Total HxCDF	16000			
1,2,3,4,6,7,8-HpCDF	17000		0.010	170.0000
1,2,3,4,7,8,9-HpCDF	1100		0.010	11.0000
Total HpCDF	81000			
OCDF	63000		0.001	63.0000
Total TEQ Concentration				1851.0000

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	85	40 - 135
13C-1,2,3,7,8-PeCDD	85	40 - 135
13C-1,2,3,6,7,8-HxCDD	92	40 - 135
13C-1,2,3,4,6,7,8-HpCDD	100	40 - 135
13C-OCDD	177 *	40 - 135
13C-2,3,7,8-TCDF	84	40 - 135
13C-1,2,3,7,8-PeCDF	82	40 - 135
13C-1,2,3,4,7,8-HxCDF	59	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	95	40 - 135

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (8290)
Client Sample ID: STOCKPILE

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/605/R-89/016

- * Surrogate recovery is outside stated control limits.
- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.
- JA The analyte was positively identified, but the quantitation is an estimate.

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

Stockpile Area Lab Summary_11-4-08

Compounds	Remedial Objectives	Stockpile Area - Pre	Stockpile Area - Post
SEMI-VOC (8270) Mg/kg			
benzo (a) anthracene	1.0	ND	NA
bis (2-ethylhexyl) phthalate	50	ND	NA
pentachlorophenol	0.8	4	5.6
Metals Mg/kg			
arsenic	13	6.6	NA
chromium	30	14.6	NA
copper	50	13.4	NA
Dioxins/Furans (TLOCc) Ug/Kg			
2,3,7,8-TCDD TEQ	1 ug/kg	1.85	

ND = Non Detect
 NA = Not analyzed
 Yellow and Bold = Exceedance
 Red and Bold second exceedance

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7072-1

Sdg Number: 220-7072

Client Sample ID: **Stock Pile / Field Order #35**

Lab Sample ID: 220-7072-1

Date Sampled: 10/30/2008 1430

Client Matrix: Solid

% Moisture: 8.0

Date Received: 10/31/2008 0950

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

Method: 8270C

Analysis Batch: 220-21587

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-21561

Lab File ID: C8528.D

Dilution: 1.0

Initial Weight/Volume: 15.00 g

Date Analyzed: 10/31/2008 1739

Final Weight/Volume: 1.0 mL

Date Prepared: 10/31/2008 1028

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		5600		36	1800

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	66	25 - 113
Terphenyl-d14	84	35 - 140
Phenol-d5	69	27 - 122
Nitrobenzene-d5	66	25 - 120
2-Fluorobiphenyl	68	32 - 131
2,4,6-Tribromophenol	74	24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7072-1

Sdg Number: 220-7072

General Chemistry

Client Sample ID: **Stock Pile / Field Order #35**

Lab Sample ID: 220-7072-1

Date Sampled: 10/30/2008 1430

Client Matrix: Solid

Date Received: 10/31/2008 0950

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.02		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-21588	Date Analyzed		10/31/2008 1615			
Percent Solids	92.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-21588	Date Analyzed		10/31/2008 1615			

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7072-1

Sdg Number: 220-7072

Client Sample ID: Stock Pile / Field Order #35

Lab Sample ID: 220-7072-1

Date Sampled: 10/30/2008 1430

Client Matrix: Solid

% Moisture: 8.0

Date Received: 10/31/2008 0950

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

Method: 8270C

Analysis Batch: 220-21587

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-21561

Lab File ID: C8528.D

Dilution: 1.0

Initial Weight/Volume: 15.00 g

Date Analyzed: 10/31/2008 1739

Final Weight/Volume: 1.0 mL

Date Prepared: 10/31/2008 1028

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		5600		36	1800

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	66	25 - 113
Terphenyl-d14	84	35 - 140
Phenol-d5	69	27 - 122
Nitrobenzene-d5	66	25 - 120
2-Fluorobiphenyl	68	32 - 131
2,4,6-Tribromophenol	74	24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7072-1

Sdg Number: 220-7072

General Chemistry

Client Sample ID: **Stock Pile / Field Order #35**

Lab Sample ID: 220-7072-1

Date Sampled: 10/30/2008 1430

Client Matrix: Solid

Date Received: 10/31/2008 0950

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.02		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-21588	Date Analyzed		10/31/2008 1615			
Percent Solids	92.0		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-21588	Date Analyzed		10/31/2008 1615			

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

Post Excavation Sampling Log

TOTAL SAMPLES = 3
 TOTAL SAMPLES - UC-4G-CO#1 = 1

Stockpile Area Lab Summary_12-3-08

Compounds	Remedial Objectives	Stockpile Area - Pre	Stockpile Area - Post	Stockpile Area Redig	Pipe Trench Bottom
SEMI-VOC (8270) Mg/kg					
benzo (a) anthracene	1.0	ND	NA	NA	NA
bis (2-ethylhexyl) phthalate	50	ND	NA	NA	NA
pentachlorophenol	0.8	4	5.6	29	7.9
Metals Mg/kg					
arsenic	13	6.6	NA	NA	NA
chromium	30	14.6	NA	NA	NA
copper	50	13.4	NA	NA	NA
Dioxins/Furans (TLOCc) Ug/Kg					
2,3,7,8-TCDD TEQ	1 ug/kg	1.85	0.056	N/A	N/A

ND = Non Detect
 NA = Not analyzed
 Yellow and Bold = Exceedance
 Red and Bold second exceedance

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7347-1

Sdg Number: 220-7347

Client Sample ID: Stockpile Hole

Lab Sample ID: 220-7347-1

Date Sampled: 11/21/2008 1400

Client Matrix: Solid

% Moisture: 14.6

Date Received: 11/29/2008 1030

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

Method: 8270C

Analysis Batch: 220-22454

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-22392

Lab File ID: C8913.D

Dilution: 10

Initial Weight/Volume: 15.00 g

Date Analyzed: 12/02/2008 1347

Final Weight/Volume: 1.0 mL

Date Prepared: 12/01/2008 0819

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		29000		390	20000
Surrogate		%Rec			Acceptance Limits
2-Fluorophenol		60			25 - 113
Terphenyl-d14		74			35 - 140
Phenol-d5		63			27 - 122
Nitrobenzene-d5		61			25 - 120
2-Fluorobiphenyl		68			32 - 131
2,4,6-Tribromophenol		59			24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7347-1

Sdg Number: 220-7347

Client Sample ID: Trench Bottom

Lab Sample ID: 220-7347-2

Date Sampled: 11/21/2008 1400

Client Matrix: Solid

% Moisture: 15.9

Date Received: 11/29/2008 1030

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

Method: 8270C

Analysis Batch: 220-22454

Instrument ID: HP 6890/5975

Preparation: 3541

Prep Batch: 220-22392

Lab File ID: C8907.D

Dilution: 2.0

Initial Weight/Volume: 15.03 g

Date Analyzed: 12/02/2008 1106

Final Weight/Volume: 1.0 mL

Date Prepared: 12/01/2008 0819

Injection Volume: 1.0 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Pentachlorophenol		7900		79	4000
Surrogate		%Rec			Acceptance Limits
2-Fluorophenol		65			25 - 113
Terphenyl-d14		72			35 - 140
Phenol-d5		67			27 - 122
Nitrobenzene-d5		65			25 - 120
2-Fluorobiphenyl		70			32 - 131
2,4,6-Tribromophenol		66			24 - 150

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7347-1

Sdg Number: 220-7347

General Chemistry

Client Sample ID: Stockpile Hole

Lab Sample ID: 220-7347-1

Date Sampled: 11/21/2008 1400

Client Matrix: Solid

Date Received: 11/29/2008 1030

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.6		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22435	Date Analyzed		12/01/2008 1646			
Percent Solids	85.4		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22435	Date Analyzed		12/01/2008 1646			

Client Sample ID: Trench Bottom

Lab Sample ID: 220-7347-2

Date Sampled: 11/21/2008 1400

Client Matrix: Solid

Date Received: 11/29/2008 1030

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.9		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22435	Date Analyzed		12/01/2008 1646			
Percent Solids	84.1		%	0.100	0.100	1.0	PercentMoisture
	Anly Batch: 220-22435	Date Analyzed		12/01/2008 1646			

ANALYTICAL REPORT

Job#: A08-9257

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



FOR: Richard Lafond
Project Manager

08/15/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8925702	EFFLUENT	WATER	07/30/2008	09:20	07/31/2008	09:05
A8925701	INFLUENT	WATER	07/30/2008	09:20	07/31/2008	09:05
A8925703	TRIP BLANK	WATER	07/30/2008	00:00	07/31/2008	09:05

METHODS SUMMARY

Job#: A08-9257Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270
METHOD 8081 - TCL PESTICIDES	SW8463 8081
METHOD 8082 - POLYCHLORINATED BIPHENYLS - Aqueous	SW8463 8082
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9257Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9257

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

Sample TRIP BLANK exhibited a pH>2 at the time of analysis. The analysis was performed within 7 days of sampling, therefore there is no impact on data useability.

GC/MS Semivolatile Data

The Relative Percent Difference between the Matrix Spike Blank A8B1989001 and the Matrix Spike Blank Duplicate A8B1989002 exceeded quality control criteria for the analyte Isophorone, though all individual recoveries were compliant. There were no positive detections for this analyte in any of the associated samples. No corrective action was required.

GC Extractable Data

For method 8082, sample INFLUENT extract and associated quality control required treatment with Copper prior to analysis due to the presence of elemental Sulfur.

For method 8081, several analytes exhibited bias and a % difference result greater than 15% in the associated closing continuing calibration verification due to very heavy sample matrix effects. No corrective action was taken, the resulting effects from the matrix of the field samples are unavoidable, and any positives associated with these compounds may be biased low.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
INFLUENT	A8925701	8081	20.00	002
INFLUENT	A8925701	8082	50.00	002
INFLUENT	A8925701	8270	10.00	012
EFFLUENT	A8925702	8081	10.00	002
EFFLUENT	A8925702	Potassium - Total	5.00	008

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

DEC OP TECH
Camp Georgetown

Sample ID: EFFLUENT

Lab Sample ID: A8925702

Date Collected: 07/30/2008

Time Collected: 09:20

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,1-Dichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,1-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,2-Dibromoethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,2-Dichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,2-Dichloropropane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
2-Butanone	ND		5.0	UG/L	8260	08/05/2008	02:56	ND
2-Hexanone	ND		5.0	UG/L	8260	08/05/2008	02:56	ND
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	08/05/2008	02:56	ND
Acetone	10		5.0	UG/L	8260	08/05/2008	02:56	ND
Benzene	0.62	J	1.0	UG/L	8260	08/05/2008	02:56	ND
Bromodichloromethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Bromoform	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Bromomethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Carbon Disulfide	7.4		1.0	UG/L	8260	08/05/2008	02:56	ND
Carbon Tetrachloride	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Chlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Chloroethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Chloroform	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Chloromethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Cyclohexane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Dibromochloromethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Dichlorodifluoromethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Ethylbenzene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Isopropylbenzene	0.58	J	1.0	UG/L	8260	08/05/2008	02:56	ND
Methyl acetate	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Methylcyclohexane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Methylene chloride	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Styrene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Tetrachloroethene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Toluene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Total Xylenes	ND		3.0	UG/L	8260	08/05/2008	02:56	ND
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Trichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Trichlorofluoromethane	ND		1.0	UG/L	8260	08/05/2008	02:56	ND
Vinyl chloride	ND		1.0	UG/L	8260	08/05/2008	02:56	ND

Sample ID: EFFLUENT

Lab Sample ID: A8925702

Date Collected: 07/30/2008

Time Collected: 09:20

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
2,2'-Oxybis(1-Chloropropane)	ND		5	UG/L	8270	08/14/2008	18:04	MD
2,4,5-Trichlorophenol	ND		5	UG/L	8270	08/14/2008	18:04	MD
2,4,6-Trichlorophenol	ND		5	UG/L	8270	08/14/2008	18:04	MD
2,4-Dichlorophenol	ND		5	UG/L	8270	08/14/2008	18:04	MD
2,4-Dimethylphenol	ND		5	UG/L	8270	08/14/2008	18:04	MD
2,4-Dinitrophenol	ND		10	UG/L	8270	08/14/2008	18:04	MD
2,4-Dinitrotoluene	ND		5	UG/L	8270	08/14/2008	18:04	MD
2,6-Dinitrotoluene	ND		5	UG/L	8270	08/14/2008	18:04	MD
2-Chloronaphthalene	ND		5	UG/L	8270	08/14/2008	18:04	MD
2-Chlorophenol	ND		5	UG/L	8270	08/14/2008	18:04	MD
2-Methylnaphthalene	ND		5	UG/L	8270	08/14/2008	18:04	MD
2-Methylphenol	ND		5	UG/L	8270	08/14/2008	18:04	MD
2-Nitroaniline	ND		10	UG/L	8270	08/14/2008	18:04	MD
2-Nitrophenol	ND		5	UG/L	8270	08/14/2008	18:04	MD
3,3'-Dichlorobenzidine	ND		5	UG/L	8270	08/14/2008	18:04	MD
3-Nitroaniline	ND		10	UG/L	8270	08/14/2008	18:04	MD
4,6-Dinitro-2-methylphenol	ND		10	UG/L	8270	08/14/2008	18:04	MD
4-Bromophenyl phenyl ether	ND		5	UG/L	8270	08/14/2008	18:04	MD
4-Chloro-3-methylphenol	ND		5	UG/L	8270	08/14/2008	18:04	MD
4-Chloroaniline	ND		5	UG/L	8270	08/14/2008	18:04	MD
4-Chlorophenyl phenyl ether	ND		5	UG/L	8270	08/14/2008	18:04	MD
4-Methylphenol	ND		5	UG/L	8270	08/14/2008	18:04	MD
4-Nitroaniline	ND		10	UG/L	8270	08/14/2008	18:04	MD
4-Nitrophenol	ND		10	UG/L	8270	08/14/2008	18:04	MD
Acenaphthene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Acenaphthylene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Acetophenone	ND		5	UG/L	8270	08/14/2008	18:04	MD
Anthracene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Atrazine	ND		5	UG/L	8270	08/14/2008	18:04	MD
Benzaldehyde	ND		5	UG/L	8270	08/14/2008	18:04	MD
Benzo(a)anthracene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Benzo(a)pyrene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Benzo(b)fluoranthene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Benzo(ghi)perylene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Benzo(k)fluoranthene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Benzoic acid	ND		150	UG/L	8270	08/14/2008	18:04	MD
Biphenyl	ND		5	UG/L	8270	08/14/2008	18:04	MD
Bis(2-chloroethoxy) methane	ND		5	UG/L	8270	08/14/2008	18:04	MD
Bis(2-chloroethyl) ether	ND		5	UG/L	8270	08/14/2008	18:04	MD
Bis(2-ethylhexyl) phthalate	31		5	UG/L	8270	08/14/2008	18:04	MD
Butyl benzyl phthalate	ND		5	UG/L	8270	08/14/2008	18:04	MD
Caprolactam	ND		5	UG/L	8270	08/14/2008	18:04	MD
Carbazole	ND		5	UG/L	8270	08/14/2008	18:04	MD
Chrysene	0.6	BJ	5	UG/L	8270	08/14/2008	18:04	MD
Di-n-butyl phthalate	ND		5	UG/L	8270	08/14/2008	18:04	MD
Di-n-octyl phthalate	ND		5	UG/L	8270	08/14/2008	18:04	MD
Dibenzo(a,h)anthracene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Dibenzofuran	ND		5	UG/L	8270	08/14/2008	18:04	MD
Diethyl phthalate	ND		5	UG/L	8270	08/14/2008	18:04	MD

Sample ID: EFFLUENT

Lab Sample ID: A8925702

Date Collected: 07/30/2008

Time Collected: 09:20

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
Dimethyl phthalate	ND		5	UG/L	8270	08/14/2008	18:04	MD
Fluoranthene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Fluorene	0.9	J	5	UG/L	8270	08/14/2008	18:04	MD
Hexachlorobenzene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Hexachlorobutadiene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Hexachlorocyclopentadiene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Hexachloroethane	ND		5	UG/L	8270	08/14/2008	18:04	MD
Indeno(1,2,3-cd)pyrene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Isophorone	ND		5	UG/L	8270	08/14/2008	18:04	MD
N-Nitroso-Di-n-propylamine	ND		5	UG/L	8270	08/14/2008	18:04	MD
N-nitrosodiphenylamine	ND		5	UG/L	8270	08/14/2008	18:04	MD
Naphthalene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Nitrobenzene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Pentachlorophenol	ND		10	UG/L	8270	08/14/2008	18:04	MD
Phenanthrene	ND		5	UG/L	8270	08/14/2008	18:04	MD
Phenol	ND		5	UG/L	8270	08/14/2008	18:04	MD
Pyrene	ND		5	UG/L	8270	08/14/2008	18:04	MD
AQUEOUS - SW8463 - TCL PESTICIDES - 8081								
4,4'-DDD	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
4,4'-DDE	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
4,4'-DDT	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Aldrin	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
alpha-BHC	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
alpha-Chlordane	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
beta-BHC	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
delta-BHC	1.0	B	0.48	UG/L	8081	08/04/2008	17:22	TCH
Dieldrin	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Endosulfan I	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Endosulfan II	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Endosulfan Sulfate	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Endrin	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Endrin aldehyde	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Endrin ketone	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
gamma-BHC (Lindane)	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
gamma-Chlordane	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Heptachlor	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Heptachlor epoxide	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Methoxychlor	ND		0.48	UG/L	8081	08/04/2008	17:22	TCH
Toxaphene	ND		4.8	UG/L	8081	08/04/2008	17:22	TCH
AQUEOUS - SW8463 - PCBS - 8082								
Aroclor 1016	ND		0.48	UG/L	8082	08/03/2008	13:44	GFD
Aroclor 1221	ND		0.48	UG/L	8082	08/03/2008	13:44	GFD
Aroclor 1232	ND		0.48	UG/L	8082	08/03/2008	13:44	GFD
Aroclor 1242	ND		0.48	UG/L	8082	08/03/2008	13:44	GFD
Aroclor 1248	ND		0.48	UG/L	8082	08/03/2008	13:44	GFD
Aroclor 1254	ND		0.48	UG/L	8082	08/03/2008	13:44	GFD
Aroclor 1260	ND		0.48	UG/L	8082	08/03/2008	13:44	GFD

Sample ID: EFFLUENT

Lab Sample ID: A8925702

Date Collected: 07/30/2008

Time Collected: 09:20

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Metals Analysis								
Aluminum - Total	7.1		0.20	MG/L	6010	08/02/2008	02:15	AH
Antimony - Total	0.38		0.020	MG/L	6010	08/02/2008	02:15	AH
Arsenic - Total	4.0		0.010	MG/L	6010	08/02/2008	02:15	AH
Barium - Total	0.040		0.0020	MG/L	6010	08/02/2008	02:15	AH
Beryllium - Total	ND		0.0020	MG/L	6010	08/02/2008	02:15	AH
Cadmium - Total	ND		0.0010	MG/L	6010	08/02/2008	02:15	AH
Calcium - Total	8.9		0.50	MG/L	6010	08/02/2008	02:15	AH
Chromium - Total	ND		0.0040	MG/L	6010	08/02/2008	02:15	AH
Cobalt - Total	ND		0.0040	MG/L	6010	08/02/2008	02:15	AH
Copper - Total	ND		0.010	MG/L	6010	08/02/2008	02:15	AH
Iron - Total	1.2		0.050	MG/L	6010	08/02/2008	02:15	AH
Lead - Total	ND		0.0050	MG/L	6010	08/02/2008	02:15	AH
Magnesium - Total	0.71		0.20	MG/L	6010	08/02/2008	02:15	AH
Manganese - Total	0.026		0.0030	MG/L	6010	08/02/2008	02:15	AH
Mercury - Total	ND		0.00020	MG/L	7470	08/01/2008	17:44	MM
Nickel - Total	ND		0.010	MG/L	6010	08/02/2008	02:15	AH
Potassium - Total	488		2.5	MG/L	6010	08/05/2008	02:53	AH
Selenium - Total	0.062		0.015	MG/L	6010	08/02/2008	02:15	AH
Silver - Total	ND		0.0030	MG/L	6010	08/02/2008	02:15	AH
Sodium - Total	254		1.0	MG/L	6010	08/02/2008	02:15	AH
Thallium - Total	ND		0.020	MG/L	6010	08/02/2008	02:15	AH
Vanadium - Total	0.37		0.0050	MG/L	6010	08/02/2008	02:15	AH
Zinc - Total	0.28		0.010	MG/L	6010	08/02/2008	02:15	AH

Sample ID: INFLUENT

Lab Sample ID: A8925701

Date Collected: 07/30/2008

Time Collected: 09:20

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,1-Dichloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,1-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2-Dibromoethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2-Dichloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2-Dichloropropane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
2-Butanone	5.8		5.0	UG/L	8260	08/05/2008	03:24	ND
2-Hexanone	ND		5.0	UG/L	8260	08/05/2008	03:24	ND
4-Methyl-2-pentanone	5.3		5.0	UG/L	8260	08/05/2008	03:24	ND
Acetone	100		5.0	UG/L	8260	08/05/2008	03:24	ND
Benzene	0.45	J	1.0	UG/L	8260	08/05/2008	03:24	ND
Bromodichloromethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Bromoform	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Bromomethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Carbon Disulfide	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Carbon Tetrachloride	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Chlorobenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Chloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Chloroform	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Chloromethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Cyclohexane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Dibromochloromethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Dichlorodifluoromethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Ethylbenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Isopropylbenzene	0.88	J	1.0	UG/L	8260	08/05/2008	03:24	ND
Methyl acetate	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Methylcyclohexane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Methylene chloride	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Styrene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Tetrachloroethene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Toluene	2.4		1.0	UG/L	8260	08/05/2008	03:24	ND
Total Xylenes	ND		3.0	UG/L	8260	08/05/2008	03:24	ND
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Trichloroethene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Trichlorofluoromethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Vinyl chloride	ND		1.0	UG/L	8260	08/05/2008	03:24	ND

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Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
2,2'-Oxybis(1-Chloropropane)	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,4,5-Trichlorophenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,4,6-Trichlorophenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,4-Dichlorophenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,4-Dimethylphenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,4-Dinitrophenol	ND		100	UG/L	8270	08/14/2008	17:41	MD
2,4-Dinitrotoluene	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,6-Dinitrotoluene	ND		50	UG/L	8270	08/14/2008	17:41	MD
2-Chloronaphthalene	ND		50	UG/L	8270	08/14/2008	17:41	MD
2-Chlorophenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2-Methylnaphthalene	ND		50	UG/L	8270	08/14/2008	17:41	MD
2-Methylphenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2-Nitroaniline	ND		100	UG/L	8270	08/14/2008	17:41	MD
2-Nitrophenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
3,3'-Dichlorobenzidine	ND		50	UG/L	8270	08/14/2008	17:41	MD
3-Nitroaniline	ND		100	UG/L	8270	08/14/2008	17:41	MD
4,6-Dinitro-2-methylphenol	ND		100	UG/L	8270	08/14/2008	17:41	MD
4-Bromophenyl phenyl ether	ND		50	UG/L	8270	08/14/2008	17:41	MD
4-Chloro-3-methylphenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
4-Chloroaniline	ND		50	UG/L	8270	08/14/2008	17:41	MD
4-Chlorophenyl phenyl ether	ND		50	UG/L	8270	08/14/2008	17:41	MD
4-Methylphenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
4-Nitroaniline	ND		100	UG/L	8270	08/14/2008	17:41	MD
4-Nitrophenol	ND		100	UG/L	8270	08/14/2008	17:41	MD
Acenaphthene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Acenaphthylene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Acetophenone	ND		50	UG/L	8270	08/14/2008	17:41	MD
Anthracene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Atrazine	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzaldehyde	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzo(a)anthracene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzo(a)pyrene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzo(b)fluoranthene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzo(ghi)perylene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzo(k)fluoranthene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzoic acid	ND		1500	UG/L	8270	08/14/2008	17:41	MD
Biphenyl	ND		50	UG/L	8270	08/14/2008	17:41	MD
Bis(2-chloroethoxy) methane	ND		50	UG/L	8270	08/14/2008	17:41	MD
Bis(2-chloroethyl) ether	ND		50	UG/L	8270	08/14/2008	17:41	MD
Bis(2-ethylhexyl) phthalate	270		50	UG/L	8270	08/14/2008	17:41	MD
Butyl benzyl phthalate	ND		50	UG/L	8270	08/14/2008	17:41	MD
Caprolactam	ND		50	UG/L	8270	08/14/2008	17:41	MD
Carbazole	ND		50	UG/L	8270	08/14/2008	17:41	MD
Chrysene	6	BJ	50	UG/L	8270	08/14/2008	17:41	MD
Di-n-butyl phthalate	ND		50	UG/L	8270	08/14/2008	17:41	MD
Di-n-octyl phthalate	ND		50	UG/L	8270	08/14/2008	17:41	MD
Dibenzo(a,h)anthracene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Dibenzofuran	ND		50	UG/L	8270	08/14/2008	17:41	MD
Diethyl phthalate	ND		50	UG/L	8270	08/14/2008	17:41	MD

Sample ID: INFLUENT

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Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
Dimethyl phthalate	ND		50	UG/L	8270	08/14/2008	17:41	MD
Fluoranthene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Fluorene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Hexachlorobenzene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Hexachlorobutadiene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Hexachlorocyclopentadiene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Hexachloroethane	ND		50	UG/L	8270	08/14/2008	17:41	MD
Indeno(1,2,3-cd)pyrene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Isophorone	ND		50	UG/L	8270	08/14/2008	17:41	MD
N-Nitroso-Di-n-propylamine	ND		50	UG/L	8270	08/14/2008	17:41	MD
N-nitrosodiphenylamine	ND		50	UG/L	8270	08/14/2008	17:41	MD
Naphthalene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Nitrobenzene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Pentachlorophenol	350		100	UG/L	8270	08/14/2008	17:41	MD
Phenanthrene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Phenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
Pyrene	ND		50	UG/L	8270	08/14/2008	17:41	MD
AQUEOUS - SW8463 - TCL PESTICIDES - 8081								
4,4'-DDD	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
4,4'-DDE	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
4,4'-DDT	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Aldrin	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
alpha-BHC	0.33	J	0.99	UG/L	8081	08/04/2008	16:48	TCH
alpha-Chlordane	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
beta-BHC	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
delta-BHC	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Dieldrin	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endosulfan I	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endosulfan II	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endosulfan Sulfate	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endrin	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endrin aldehyde	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endrin ketone	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
gamma-BHC (Lindane)	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
gamma-Chlordane	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Heptachlor	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Heptachlor epoxide	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Methoxychlor	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Toxaphene	ND		9.9	UG/L	8081	08/04/2008	16:48	TCH
AQUEOUS - SW8463 - PCBS - 8082								
Aroclor 1016	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1221	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1232	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1242	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1248	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1254	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1260	ND		25	UG/L	8082	08/03/2008	13:00	GFD

Sample ID: INFLUENT

Lab Sample ID: A8925701

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Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Metals Analysis								
Aluminum - Total	7.2		0.20	MG/L	6010	08/02/2008	02:10	AH
Antimony - Total	ND		0.020	MG/L	6010	08/02/2008	02:10	AH
Arsenic - Total	ND		0.010	MG/L	6010	08/02/2008	02:10	AH
Barium - Total	5.9		0.0020	MG/L	6010	08/02/2008	02:10	AH
Beryllium - Total	ND		0.0020	MG/L	6010	08/02/2008	02:10	AH
Cadmium - Total	ND		0.0010	MG/L	6010	08/02/2008	02:10	AH
Calcium - Total	67.9		0.50	MG/L	6010	08/02/2008	02:10	AH
Chromium - Total	0.013		0.0040	MG/L	6010	08/02/2008	02:10	AH
Cobalt - Total	0.0057		0.0040	MG/L	6010	08/02/2008	02:10	AH
Copper - Total	0.084		0.010	MG/L	6010	08/02/2008	02:10	AH
Iron - Total	28.5		0.050	MG/L	6010	08/02/2008	02:10	AH
Lead - Total	0.033		0.0050	MG/L	6010	08/02/2008	02:10	AH
Magnesium - Total	9.9		0.20	MG/L	6010	08/02/2008	02:10	AH
Manganese - Total	0.56		0.0030	MG/L	6010	08/02/2008	02:10	AH
Mercury - Total	ND		0.00020	MG/L	7470	08/01/2008	17:43	MM
Nickel - Total	0.021		0.010	MG/L	6010	08/02/2008	02:10	AH
Potassium - Total	5.2		0.50	MG/L	6010	08/02/2008	02:10	AH
Selenium - Total	ND		0.015	MG/L	6010	08/02/2008	02:10	AH
Silver - Total	ND		0.0030	MG/L	6010	08/02/2008	02:10	AH
Sodium - Total	28.7		1.0	MG/L	6010	08/02/2008	02:10	AH
Thallium - Total	ND		0.020	MG/L	6010	08/02/2008	02:10	AH
Vanadium - Total	0.010		0.0050	MG/L	6010	08/02/2008	02:10	AH
Zinc - Total	2.4		0.010	MG/L	6010	08/02/2008	02:10	AH

Sample ID: TRIP BLANK

Lab Sample ID: A8925703

Date Collected: 07/30/2008

Time Collected: 00:00

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,1-Dichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,1-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2-Dibromoethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2-Dichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2-Dichloropropane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
2-Butanone	ND		5.0	UG/L	8260	08/05/2008	02:28	ND
2-Hexanone	ND		5.0	UG/L	8260	08/05/2008	02:28	ND
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	08/05/2008	02:28	ND
Acetone	ND		5.0	UG/L	8260	08/05/2008	02:28	ND
Benzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Bromodichloromethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Bromoform	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Bromomethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Carbon Disulfide	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Carbon Tetrachloride	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Chlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Chloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Chloroform	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Chloromethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Cyclohexane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Dibromochloromethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Dichlorodifluoromethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Ethylbenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Isopropylbenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Methyl acetate	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Methylcyclohexane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Methylene chloride	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Styrene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Tetrachloroethene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Toluene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Total Xylenes	ND		3.0	UG/L	8260	08/05/2008	02:28	ND
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Trichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Trichlorofluoromethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Vinyl chloride	ND		1.0	UG/L	8260	08/05/2008	02:28	ND

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client OP-Tech		Project Manager Tom Rengerd		Date 7/30/08	Chain of Custody Number 395149
Address 6392 Deere Rd		Telephone Number (Area Code)/Fax Number		Lab Number	
City Syracuse		State NY	Zip Code 13206	Page 1 of 1	

City	State	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)							Special Instructions/ Conditions of Receipt
Project Name and Location (State) Camp Georgetown / Remedial Excavation			Carrier/Waybill Number		8260	8270	Pest	PCB	Metals	Dioxins		
Contract/Purchase Order/Quote No. SDCRO011												

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						8260	8270	Pest	PCB	Metals	Dioxins	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH							
INFluent 40mL (8260)	7/30/08	9:20	X							X			3	X					
INFluent 1L (8270)	7/30/08	9:20	X										2	X					
INFluent 1L (Pest)	7/30/08	9:20	X										2		X				
INFluent 1L (PCB)	7/30/08	9:20	X										2			X			
INFluent 500mL (metals)	7/30/08	9:20	X						X				1				X		
INFluent 1L (Dioxins)	7/30/08	9:20	X										2					X	
effluent 40mL (8260)	7/30/08	9:20	X							X			3	X					
effluent 1L (8270)	7/30/08	9:20	X										2	X					
effluent 1L (Pest)	7/30/08	9:20	X										2		X				
effluent 1L (PCB)	7/30/08	9:20	X										2			X			
effluent 500mL (metals)	7/30/08	9:20	X						X				1				X		
effluent 1L (Dioxins)	7/30/08	9:20	X										2					X	

Dioxins to
W. Sacramento
- PC

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	Category A

1. Relinquished By <i>Steve McCall</i>	Date 7/30/08	Time 2:16	1. Received By <i>Tom Rengerd</i>	Date 7/30/08	Time 16:5
2. Relinquished By <i>Tom Rengerd</i>	Date 7/30/08	Time 16:15	2. Received By <i>R. English</i>	Date 07/30/08	Time 16:20
3. Relinquished By <i>R. English</i>	Date 07/30/08	Time 18:30	3. Received By <i>Tom Rengerd</i>	Date 7/31/08	Time 09:05

Comments
2020

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

18/18

OP-TECH Environmental

Client Sample ID: INFLUENT

Trace Level Organic Compounds

Lot-Sample #...: G8G310172-001 Work Order #...: KTFJH1AA Matrix.....: WATER
 Date Sampled...: 07/30/08 Date Received..: 07/31/08
 Prep Date.....: 07/31/08 Analysis Date..: 08/08/08
 Prep Batch #...: 8214228
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.4	pg/L	EPA-5 1613B
Total TCDD	ND	4.2	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	14	pg/L	EPA-5 1613B
Total PeCDD	ND	17	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	29 J		pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	130		pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	77		pg/L	EPA-5 1613B
Total HxCDD	570		pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	6900		pg/L	EPA-5 1613B
Total HpCDD	11000		pg/L	EPA-5 1613B
OCDD	96000 E		pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	3.2	pg/L	EPA-5 1613B
Total TCDF	32		pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	3.0	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	2.8	pg/L	EPA-5 1613B
Total PeCDF	ND	3.0	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	22	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	12	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	8.1	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	2.9	pg/L	EPA-5 1613B
Total HxCDF	520		pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	860		pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	67		pg/L	EPA-5 1613B
Total HpCDF	4500		pg/L	EPA-5 1613B
OCDF	6900		pg/L	EPA-5 1613B

(Continued on next page)

OP-TECH Environmental

Client Sample ID: INFLUENT

Trace Level Organic Compounds

Lot-Sample #...: G8G310172-001 Work Order #...: KTFJH1AA Matrix.....: WATER

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	45	(25 - 164)
13C-1,2,3,7,8-PeCDD	49	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	44	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	48	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	53	(23 - 140)
13C-OCDD	59	(17 - 157)
13C-2,3,7,8-TCDF	44	(24 - 169)
13C-1,2,3,7,8-PeCDF	43	(24 - 185)
13C-2,3,4,7,8-PeCDF	44	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	48	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	52	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	49	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	50	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	52	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	47	(26 - 152)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37C14-2,3,7,8-TCDD	95	(35 - 197)

NOTE(S):

-
- J Estimated result. Result is less than the reporting limit.
 - E Estimated result. Result concentration exceeds the calibration range.

OP-TECH Environmental

Client Sample ID: EFFLUENT

Trace Level Organic Compounds

Lot-Sample #...: G8G310172-002 Work Order #...: KTFJJ1AA Matrix.....: WATER
 Date Sampled...: 07/30/08 Date Received...: 07/31/08
 Prep Date.....: 07/31/08 Analysis Date...: 08/08/08
 Prep Batch #...: 8214228
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.3	pg/L	EPA-5 1613B
Total TCDD	ND	1.3	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	1.9	pg/L	EPA-5 1613B
Total PeCDD	ND	1.9	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	1.2	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	1.1	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	1.0	pg/L	EPA-5 1613B
Total HxCDD	ND	1.2	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	4.3	pg/L	EPA-5 1613B
Total HpCDD	ND	8.4	pg/L	EPA-5 1613B
OCDD	71 J		pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	0.65	pg/L	EPA-5 1613B
Total TCDF	ND	0.65	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	0.87	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	0.90	pg/L	EPA-5 1613B
Total PeCDF	ND	0.90	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.81	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.79	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.82	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.84	pg/L	EPA-5 1613B
Total HxCDF	ND	0.84	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	1.6	pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	2.1	pg/L	EPA-5 1613B
Total HpCDF	ND	2.1	pg/L	EPA-5 1613B
OCDF	ND	6.8	pg/L	EPA-5 1613B

(Continued on next page)

OP-TECH Environmental

Client Sample ID: EFFLUENT

Trace Level Organic Compounds

Lot-Sample #...: G8G310172-002 Work Order #...: KTFJJ1AA Matrix.....: WATER

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	51	(25 - 164)
13C-1,2,3,7,8-PeCDD	52	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	51	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	48	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	53	(23 - 140)
13C-OCDD	53	(17 - 157)
13C-2,3,7,8-TCDF	51	(24 - 169)
13C-1,2,3,7,8-PeCDF	46	(24 - 185)
13C-2,3,4,7,8-PeCDF	48	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	48	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	52	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	51	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	53	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	54	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	50	(26 - 152)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37C14-2,3,7,8-TCDD	93	(35 - 197)

NOTE(S):

J Estimated result. Result is less than the reporting limit.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8G310172
 MB Lot-Sample #: G8H010000-228

Work Order #...: KTHA61AA

Matrix.....: WATER

Prep Date.....: 07/31/08

Analysis Date...: 08/08/08

Prep Batch #...: 8214228

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
2,3,7,8-TCDD	ND	1.2	pg/L	EPA-5 1613B
Total TCDD	ND	1.2	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	2.3	pg/L	EPA-5 1613B
Total PeCDD	ND	2.3	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	1.8	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	1.5	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	1.4	pg/L	EPA-5 1613B
Total HxCDD	ND	1.8	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	2.2	pg/L	EPA-5 1613B
Total HpCDD	ND	2.2	pg/L	EPA-5 1613B
OCDD	ND	7.5	pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	0.72	pg/L	EPA-5 1613B
Total TCDF	ND	0.86	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	1.1	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	1.1	pg/L	EPA-5 1613B
Total PeCDF	ND	1.1	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	1.4	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	1.4	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	1.2	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	1.4	pg/L	EPA-5 1613B
Total HxCDF	ND	1.4	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	1.9	pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	2.5	pg/L	EPA-5 1613B
Total HpCDF	ND	2.5	pg/L	EPA-5 1613B
OCDF	ND	2.3	pg/L	EPA-5 1613B

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METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8G310172

Work Order #...: KTHA61AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
	PERCENT	RECOVERY		
<u>INTERNAL STANDARDS</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
13C-2,3,7,8-TCDD	36	(25 - 164)		
13C-1,2,3,7,8-PeCDD	37	(25 - 181)		
13C-1,2,3,4,7,8-HxCDD	37	(32 - 141)		
13C-1,2,3,6,7,8-HxCDD	35	(28 - 130)		
13C-1,2,3,4,6,7,8-HpCDD	36	(23 - 140)		
13C-OCDD	33	(17 - 157)		
13C-2,3,7,8-TCDF	35	(24 - 169)		
13C-1,2,3,7,8-PeCDF	31	(24 - 185)		
13C-2,3,4,7,8-PeCDF	34	(21 - 178)		
13C-1,2,3,6,7,8-HxCDF	34	(26 - 123)		
13C-2,3,4,6,7,8-HxCDF	39	(28 - 136)		
13C-1,2,3,7,8,9-HxCDF	38	(29 - 147)		
13C-1,2,3,4,6,7,8-HpCDF	35	(28 - 143)		
13C-1,2,3,4,7,8,9-HpCDF	37	(26 - 138)		
13C-1,2,3,4,7,8-HxCDF	35	(26 - 152)		
	PERCENT	RECOVERY		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
37C14-2,3,7,8-TCDD	96	(35 - 197)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G310172 Work Order #...: KTHA61AC Matrix.....: WATER
 LCS Lot-Sample#: G8H010000-228
 Prep Date.....: 07/31/08 Analysis Date...: 08/08/08
 Prep Batch #...: 8214228
 Dilution Factor: 1

<u>PARAMETER</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	117	(67 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDD	120	(70 - 142)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	134	(70 - 164)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	136 a	(76 - 134)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	154	(64 - 162)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	131	(70 - 140)	EPA-5 1613B
OCDD	137	(78 - 144)	EPA-5 1613B
2,3,7,8-TCDF	131	(75 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDF	134	(80 - 134)	EPA-5 1613B
2,3,4,7,8-PeCDF	133	(68 - 160)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	136 a	(72 - 134)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	128	(84 - 130)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	133	(70 - 156)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	136 a	(78 - 130)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	132 a	(82 - 122)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	128	(78 - 138)	EPA-5 1613B
OCDF	135	(63 - 170)	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8G310172 Work Order #...: KTHA61AC Matrix.....: WATER
 LCS Lot-Sample#: G8H010000-228

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	21 *	(25 - 164)
13C-1,2,3,7,8-PeCDD	30	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	35	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	40	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	50	(23 - 140)
13C-OCDD	52	(17 - 157)
13C-2,3,7,8-TCDF	19 *	(24 - 169)
13C-1,2,3,7,8-PeCDF	21 *	(24 - 185)
13C-2,3,4,7,8-PeCDF	27	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	36	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	44	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	43	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	46	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	51	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	34	(26 - 152)
<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
37C14-2,3,7,8-TCDD	95	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G310172 Work Order #...: KTHA61AC Matrix.....: WATER
 LCS Lot-Sample#: G8H010000-228
 Prep Date.....: 07/31/08 Analysis Date...: 08/08/08
 Prep Batch #...: 8214228
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	234	pg/L	117	EPA-5 1613B
1,2,3,7,8-PeCDD	1000	1200	pg/L	120	EPA-5 1613B
1,2,3,4,7,8-HxCDD	1000	1340	pg/L	134	EPA-5 1613B
1,2,3,6,7,8-HxCDD	1000	1360 a	pg/L	136	EPA-5 1613B
1,2,3,7,8,9-HxCDD	1000	1540	pg/L	154	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	1000	1310	pg/L	131	EPA-5 1613B
OCDD	2000	2730	pg/L	137	EPA-5 1613B
2,3,7,8-TCDF	200	263	pg/L	131	EPA-5 1613B
1,2,3,7,8-PeCDF	1000	1340	pg/L	134	EPA-5 1613B
2,3,4,7,8-PeCDF	1000	1330	pg/L	133	EPA-5 1613B
1,2,3,4,7,8-HxCDF	1000	1360 a	pg/L	136	EPA-5 1613B
1,2,3,6,7,8-HxCDF	1000	1280	pg/L	128	EPA-5 1613B
2,3,4,6,7,8-HxCDF	1000	1330	pg/L	133	EPA-5 1613B
1,2,3,7,8,9-HxCDF	1000	1360 a	pg/L	136	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	1000	1320 a	pg/L	132	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	1000	1280	pg/L	128	EPA-5 1613B
OCDF	2000	2700	pg/L	135	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8G310172 Work Order #...: KTHA61AC Matrix.....: WATER
 LCS Lot-Sample#: G8H010000-228

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	21 *	(25 - 164)
13C-1,2,3,7,8-PeCDD	30	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	35	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	40	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	50	(23 - 140)
13C-OCDD	52	(17 - 157)
13C-2,3,7,8-TCDF	19 *	(24 - 169)
13C-1,2,3,7,8-PeCDF	21 *	(24 - 185)
13C-2,3,4,7,8-PeCDF	27	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	36	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	44	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	43	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	46	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	51	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	34	(26 - 152)
<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
37C14-2,3,7,8-TCDD	95	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: INFLUENT

Lot-Sample #...: G8G310172 - 001
 Date Sampled...: 07/30/08
 Prep Date.....: 07/31/08
 Prep Batch #...: 8214228

Work Order #...: KTFJH1AA
 Date Received..: 07/31/08
 Analysis Date..: 08/08/08
 Dilution Factor: 1

Matrix.....: WATER
 Instrument: 4D5
 Units.....: pg/L
 % Moisture:

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.4	1.000	0
Total TCDD	ND	4.2		0
1,2,3,7,8-PeCDD	ND	14	0.500	0
Total PeCDD	ND	17		0
1,2,3,4,7,8-HxCDD	29	J	0.100	2.9000
1,2,3,6,7,8-HxCDD	130		0.100	13.0000
1,2,3,7,8,9-HxCDD	77		0.100	7.7000
Total HxCDD	570			
1,2,3,4,6,7,8-HpCDD	6900		0.010	69.0000
Total HpCDD	11000			
OCDD	96000	E	0.001	96.0000
2,3,7,8-TCDF	ND	3.2	0.100	0
Total TCDF	32			
1,2,3,7,8-PeCDF	ND	3.0	0.050	0
2,3,4,7,8-PeCDF	ND	2.8	0.500	0
Total PeCDF	ND	3.0		0
1,2,3,4,7,8-HxCDF	ND	22	0.100	0
1,2,3,6,7,8-HxCDF	ND	12	0.100	0
2,3,4,6,7,8-HxCDF	ND	8.1	0.100	0
1,2,3,7,8,9-HxCDF	ND	2.9	0.100	0
Total HxCDF	520			
1,2,3,4,6,7,8-HpCDF	860		0.010	8.6000
1,2,3,4,7,8,9-HpCDF	67		0.010	0.6700
Total HpCDF	4500			
OCDF	6900		0.001	6.9000
Total TEQ Concentration				204.7700

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	45	25 - 164
13C-1,2,3,7,8-PeCDD	49	25 - 181
13C-1,2,3,4,7,8-HxCDD	44	32 - 141
13C-1,2,3,6,7,8-HxCDD	48	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	53	23 - 140
13C-OCDD	59	17 - 157
13C-2,3,7,8-TCDF	44	24 - 169
13C-1,2,3,7,8-PeCDF	43	24 - 185
13C-2,3,4,7,8-PeCDF	44	21 - 178
13C-1,2,3,6,7,8-HxCDF	48	26 - 123
13C-2,3,4,6,7,8-HxCDF	52	28 - 136
13C-1,2,3,7,8,9-HxCDF	49	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	50	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	52	26 - 138
13C-1,2,3,4,7,8-HxCDF	47	26 - 152

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: INFLUENT

SURROGATE

37Cl4-2,3,7,8-TCDD

PERCENT
RECOVERY

95

RECOVERY
LIMITS

35 - 197

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/R-89/016

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: EFFLUENT

Lot-Sample #...: G8G310172 - 002
 Date Sampled...: 07/30/08
 Prep Date.....: 07/31/08
 Prep Batch #...: 8214228

Work Order #...: KTFJJ1AA
 Date Received..: 07/31/08
 Analysis Date..: 08/08/08
 Dilution Factor: 1

Matrix.....: WATER
 Instrument: 4D5
 Units.....: pg/L
 % Moisture:

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.3	1.000	0
Total TCDD	ND	1.3		0
1,2,3,7,8-PeCDD	ND	1.9	0.500	0
Total PeCDD	ND	1.9		0
1,2,3,4,7,8-HxCDD	ND	1.2	0.100	0
1,2,3,6,7,8-HxCDD	ND	1.1	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.0	0.100	0
Total HxCDD	ND	1.2		0
1,2,3,4,6,7,8-HpCDD	ND	4.3	0.010	0
Total HpCDD	ND	8.4		0
OCDD	71	J	0.001	0.0710
2,3,7,8-TCDF	ND	0.65	0.100	0
Total TCDF	ND	0.65		0
1,2,3,7,8-PeCDF	ND	0.87	0.050	0
2,3,4,7,8-PeCDF	ND	0.90	0.500	0
Total PeCDF	ND	0.90		0
1,2,3,4,7,8-HxCDF	ND	0.81	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.79	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.82	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.84	0.100	0
Total HxCDF	ND	0.84		0
1,2,3,4,6,7,8-HpCDF	ND	1.6	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	2.1	0.010	0
Total HpCDF	ND	2.1		0
OCDF	ND	6.8	0.001	0
Total TEQ Concentration				0.0710

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	51	25 - 164
13C-1,2,3,7,8-PeCDD	52	25 - 181
13C-1,2,3,4,7,8-HxCDD	51	32 - 141
13C-1,2,3,6,7,8-HxCDD	48	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	53	23 - 140
13C-OCDD	53	17 - 157
13C-2,3,7,8-TCDF	51	24 - 169
13C-1,2,3,7,8-PeCDF	46	24 - 185
13C-2,3,4,7,8-PeCDF	48	21 - 178
13C-1,2,3,6,7,8-HxCDF	48	26 - 123
13C-2,3,4,6,7,8-HxCDF	52	28 - 136
13C-1,2,3,7,8,9-HxCDF	51	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	53	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	54	26 - 138
13C-1,2,3,4,7,8-HxCDF	50	26 - 152

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: EFFLUENT

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	93	35 - 197

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

ANALYTICAL REPORT

Job#: A08-9257

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



FOR: Richard Lafond
Project Manager

08/15/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8925702	EFFLUENT	WATER	07/30/2008	09:20	07/31/2008	09:05
A8925701	INFLUENT	WATER	07/30/2008	09:20	07/31/2008	09:05
A8925703	TRIP BLANK	WATER	07/30/2008	00:00	07/31/2008	09:05

METHODS SUMMARY

Job#: A08-9257Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270
METHOD 8081 - TCL PESTICIDES	SW8463 8081
METHOD 8082 - POLYCHLORINATED BIPHENYLS - Aqueous	SW8463 8082
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9257Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9257

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

Sample TRIP BLANK exhibited a pH>2 at the time of analysis. The analysis was performed within 7 days of sampling, therefore there is no impact on data useability.

GC/MS Semivolatile Data

The Relative Percent Difference between the Matrix Spike Blank A8B1989001 and the Matrix Spike Blank Duplicate A8B1989002 exceeded quality control criteria for the analyte Isophorone, though all individual recoveries were compliant. There were no positive detections for this analyte in any of the associated samples. No corrective action was required.

GC Extractable Data

For method 8082, sample INFLUENT extract and associated quality control required treatment with Copper prior to analysis due to the presence of elemental Sulfur.

For method 8081, several analytes exhibited bias and a % difference result greater than 15% in the associated closing continuing calibration verification due to very heavy sample matrix effects. No corrective action was taken, the resulting effects from the matrix of the field samples are unavoidable, and any positives associated with these compounds may be biased low.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
INFLUENT	A8925701	8081	20.00	002
INFLUENT	A8925701	8082	50.00	002
INFLUENT	A8925701	8270	10.00	012
EFFLUENT	A8925702	8081	10.00	002
EFFLUENT	A8925702	Potassium - Total	5.00	008

Dilution Code Definition:

- 002 - sample matrix effects
- 003 - excessive foaming
- 004 - high levels of non-target compounds
- 005 - sample matrix resulted in method non-compliance for an Internal Standard
- 006 - sample matrix resulted in method non-compliance for Surrogate
- 007 - nature of the TCLP matrix
- 008 - high concentration of target analyte(s)
- 009 - sample turbidity
- 010 - sample color
- 011 - insufficient volume for lower dilution
- 012 - sample viscosity
- 013 - other



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: INFLUENT

Lab Sample ID: A8925701

Date Collected: 07/30/2008

Time Collected: 09:20

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,1-Dichloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,1-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2-Dibromoethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2-Dichloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,2-Dichloropropane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
2-Butanone	5.8		5.0	UG/L	8260	08/05/2008	03:24	ND
2-Hexanone	ND		5.0	UG/L	8260	08/05/2008	03:24	ND
4-Methyl-2-pentanone	5.3		5.0	UG/L	8260	08/05/2008	03:24	ND
Acetone	100		5.0	UG/L	8260	08/05/2008	03:24	ND
Benzene	0.45	J	1.0	UG/L	8260	08/05/2008	03:24	ND
Bromodichloromethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Bromoform	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Bromomethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Carbon Disulfide	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Carbon Tetrachloride	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Chlorobenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Chloroethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Chloroform	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Chloromethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Cyclohexane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Dibromochloromethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Dichlorodifluoromethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Ethylbenzene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Isopropylbenzene	0.88	J	1.0	UG/L	8260	08/05/2008	03:24	ND
Methyl acetate	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Methylcyclohexane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Methylene chloride	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Styrene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Tetrachloroethene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Toluene	2.4		1.0	UG/L	8260	08/05/2008	03:24	ND
Total Xylenes	ND		3.0	UG/L	8260	08/05/2008	03:24	ND
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Trichloroethene	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Trichlorofluoromethane	ND		1.0	UG/L	8260	08/05/2008	03:24	ND
Vinyl chloride	ND		1.0	UG/L	8260	08/05/2008	03:24	ND

Sample ID: INFLUENT

Lab Sample ID: A8925701

Date Collected: 07/30/2008

Time Collected: 09:20

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
2,2'-Oxybis(1-Chloropropane)	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,4,5-Trichlorophenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,4,6-Trichlorophenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,4-Dichlorophenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,4-Dimethylphenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,4-Dinitrophenol	ND		100	UG/L	8270	08/14/2008	17:41	MD
2,4-Dinitrotoluene	ND		50	UG/L	8270	08/14/2008	17:41	MD
2,6-Dinitrotoluene	ND		50	UG/L	8270	08/14/2008	17:41	MD
2-Chloronaphthalene	ND		50	UG/L	8270	08/14/2008	17:41	MD
2-Chlorophenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2-Methylnaphthalene	ND		50	UG/L	8270	08/14/2008	17:41	MD
2-Methylphenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
2-Nitroaniline	ND		100	UG/L	8270	08/14/2008	17:41	MD
2-Nitrophenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
3,3'-Dichlorobenzidine	ND		50	UG/L	8270	08/14/2008	17:41	MD
3-Nitroaniline	ND		100	UG/L	8270	08/14/2008	17:41	MD
4,6-Dinitro-2-methylphenol	ND		100	UG/L	8270	08/14/2008	17:41	MD
4-Bromophenyl phenyl ether	ND		50	UG/L	8270	08/14/2008	17:41	MD
4-Chloro-3-methylphenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
4-Chloroaniline	ND		50	UG/L	8270	08/14/2008	17:41	MD
4-Chlorophenyl phenyl ether	ND		50	UG/L	8270	08/14/2008	17:41	MD
4-Methylphenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
4-Nitroaniline	ND		100	UG/L	8270	08/14/2008	17:41	MD
4-Nitrophenol	ND		100	UG/L	8270	08/14/2008	17:41	MD
Acenaphthene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Acenaphthylene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Acetophenone	ND		50	UG/L	8270	08/14/2008	17:41	MD
Anthracene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Atrazine	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzaldehyde	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzo(a)anthracene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzo(a)pyrene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzo(b)fluoranthene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzo(ghi)perylene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzo(k)fluoranthene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Benzoic acid	ND		1500	UG/L	8270	08/14/2008	17:41	MD
Biphenyl	ND		50	UG/L	8270	08/14/2008	17:41	MD
Bis(2-chloroethoxy) methane	ND		50	UG/L	8270	08/14/2008	17:41	MD
Bis(2-chloroethyl) ether	ND		50	UG/L	8270	08/14/2008	17:41	MD
Bis(2-ethylhexyl) phthalate	270		50	UG/L	8270	08/14/2008	17:41	MD
Butyl benzyl phthalate	ND		50	UG/L	8270	08/14/2008	17:41	MD
Caprolactam	ND		50	UG/L	8270	08/14/2008	17:41	MD
Carbazole	ND		50	UG/L	8270	08/14/2008	17:41	MD
Chrysene	6	BJ	50	UG/L	8270	08/14/2008	17:41	MD
Di-n-butyl phthalate	ND		50	UG/L	8270	08/14/2008	17:41	MD
Di-n-octyl phthalate	ND		50	UG/L	8270	08/14/2008	17:41	MD
Dibenzo(a,h)anthracene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Dibenzofuran	ND		50	UG/L	8270	08/14/2008	17:41	MD
Diethyl phthalate	ND		50	UG/L	8270	08/14/2008	17:41	MD

Sample ID: INFLUENT

Lab Sample ID: A8925701

Date Collected: 07/30/2008

Time Collected: 09:20

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
Dimethyl phthalate	ND		50	UG/L	8270	08/14/2008	17:41	MD
Fluoranthene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Fluorene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Hexachlorobenzene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Hexachlorobutadiene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Hexachlorocyclopentadiene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Hexachloroethane	ND		50	UG/L	8270	08/14/2008	17:41	MD
Indeno(1,2,3-cd)pyrene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Isophorone	ND		50	UG/L	8270	08/14/2008	17:41	MD
N-Nitroso-Di-n-propylamine	ND		50	UG/L	8270	08/14/2008	17:41	MD
N-nitrosodiphenylamine	ND		50	UG/L	8270	08/14/2008	17:41	MD
Naphthalene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Nitrobenzene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Pentachlorophenol	350		100	UG/L	8270	08/14/2008	17:41	MD
Phenanthrene	ND		50	UG/L	8270	08/14/2008	17:41	MD
Phenol	ND		50	UG/L	8270	08/14/2008	17:41	MD
Pyrene	ND		50	UG/L	8270	08/14/2008	17:41	MD
AQUEOUS - SW8463 - TCL PESTICIDES - 8081								
4,4'-DDD	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
4,4'-DDE	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
4,4'-DDT	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Aldrin	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
alpha-BHC	0.33	J	0.99	UG/L	8081	08/04/2008	16:48	TCH
alpha-Chlordane	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
beta-BHC	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
delta-BHC	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Dieldrin	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endosulfan I	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endosulfan II	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endosulfan Sulfate	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endrin	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endrin aldehyde	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Endrin ketone	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
gamma-BHC (Lindane)	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
gamma-Chlordane	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Heptachlor	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Heptachlor epoxide	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Methoxychlor	ND		0.99	UG/L	8081	08/04/2008	16:48	TCH
Toxaphene	ND		9.9	UG/L	8081	08/04/2008	16:48	TCH
AQUEOUS - SW8463 - PCBS - 8082								
Aroclor 1016	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1221	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1232	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1242	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1248	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1254	ND		25	UG/L	8082	08/03/2008	13:00	GFD
Aroclor 1260	ND		25	UG/L	8082	08/03/2008	13:00	GFD

Sample ID: INFLUENT

Lab Sample ID: A8925701

Date Collected: 07/30/2008

Time Collected: 09:20

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Metals Analysis								
Aluminum - Total	7.2		0.20	MG/L	6010	08/02/2008	02:10	AH
Antimony - Total	ND		0.020	MG/L	6010	08/02/2008	02:10	AH
Arsenic - Total	ND		0.010	MG/L	6010	08/02/2008	02:10	AH
Barium - Total	5.9		0.0020	MG/L	6010	08/02/2008	02:10	AH
Beryllium - Total	ND		0.0020	MG/L	6010	08/02/2008	02:10	AH
Cadmium - Total	ND		0.0010	MG/L	6010	08/02/2008	02:10	AH
Calcium - Total	67.9		0.50	MG/L	6010	08/02/2008	02:10	AH
Chromium - Total	0.013		0.0040	MG/L	6010	08/02/2008	02:10	AH
Cobalt - Total	0.0057		0.0040	MG/L	6010	08/02/2008	02:10	AH
Copper - Total	0.084		0.010	MG/L	6010	08/02/2008	02:10	AH
Iron - Total	28.5		0.050	MG/L	6010	08/02/2008	02:10	AH
Lead - Total	0.033		0.0050	MG/L	6010	08/02/2008	02:10	AH
Magnesium - Total	9.9		0.20	MG/L	6010	08/02/2008	02:10	AH
Manganese - Total	0.56		0.0030	MG/L	6010	08/02/2008	02:10	AH
Mercury - Total	ND		0.00020	MG/L	7470	08/01/2008	17:43	MM
Nickel - Total	0.021		0.010	MG/L	6010	08/02/2008	02:10	AH
Potassium - Total	5.2		0.50	MG/L	6010	08/02/2008	02:10	AH
Selenium - Total	ND		0.015	MG/L	6010	08/02/2008	02:10	AH
Silver - Total	ND		0.0030	MG/L	6010	08/02/2008	02:10	AH
Sodium - Total	28.7		1.0	MG/L	6010	08/02/2008	02:10	AH
Thallium - Total	ND		0.020	MG/L	6010	08/02/2008	02:10	AH
Vanadium - Total	0.010		0.0050	MG/L	6010	08/02/2008	02:10	AH
Zinc - Total	2.4		0.010	MG/L	6010	08/02/2008	02:10	AH

Sample ID: TRIP BLANK

Lab Sample ID: A8925703

Date Collected: 07/30/2008

Time Collected: 00:00

Date Received: 07/31/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,1-Dichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,1-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2-Dibromoethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2-Dichloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,2-Dichloropropane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
2-Butanone	ND		5.0	UG/L	8260	08/05/2008	02:28	ND
2-Hexanone	ND		5.0	UG/L	8260	08/05/2008	02:28	ND
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	08/05/2008	02:28	ND
Acetone	ND		5.0	UG/L	8260	08/05/2008	02:28	ND
Benzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Bromodichloromethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Bromoform	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Bromomethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Carbon Disulfide	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Carbon Tetrachloride	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Chlorobenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Chloroethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Chloroform	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Chloromethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Cyclohexane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Dibromochloromethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Dichlorodifluoromethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Ethylbenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Isopropylbenzene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Methyl acetate	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Methylcyclohexane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Methylene chloride	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Styrene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Tetrachloroethene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Toluene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Total Xylenes	ND		3.0	UG/L	8260	08/05/2008	02:28	ND
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Trichloroethene	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Trichlorofluoromethane	ND		1.0	UG/L	8260	08/05/2008	02:28	ND
Vinyl chloride	ND		1.0	UG/L	8260	08/05/2008	02:28	ND

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client OP-Tech		Project Manager Tom Rengerd		Date 7/30/08	Chain of Custody Number 395149
Address 6392 Deere Rd		Telephone Number (Area Code)/Fax Number		Lab Number	
City Syracuse		State NY	Zip Code 13206	Page 1 of 1	

City	State	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)							Special Instructions/ Conditions of Receipt
Project Name and Location (State) Camp Georgetown / Remedial Excavation			Carrier/Waybill Number		8260	8270	PEST	PCB	Metals	Dioxins		
Contract/Purchase Order/Quote No. SDCRO011												

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						8260	8270	PEST	PCB	Metals	Dioxins	
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH							
INFluent 40mL (8260)	7/30/08	9:20	X							X			3	X					
INFluent 1L (8270)	7/30/08	9:20	X										2	X					
INFluent 1L (PEST)	7/30/08	9:20	X										2		X				
INFluent 1L (PCB)	7/30/08	9:20	X										2			X			
INFluent 500mL (metals)	7/30/08	9:20	X						X				1				X		
INFluent 1L (Dioxins)	7/30/08	9:20	X										2					X	
effluent 40mL (8260)	7/30/08	9:20	X							X			3	X					
effluent 1L (8270)	7/30/08	9:20	X										2	X					
effluent 1L (PEST)	7/30/08	9:20	X										2		X				
effluent 1L (PCB)	7/30/08	9:20	X										2			X			
effluent 500mL (metals)	7/30/08	9:20	X						X				1				X		
effluent 1L (Dioxins)	7/30/08	9:20	X										2					X	

Dioxins to
W. Sacramento
- PC

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	Category A

1. Relinquished By <i>Steve McCall</i>	Date 7/30/08	Time 2:16	1. Received By <i>Tom Rengerd</i>	Date 7/30/08	Time 16:5
2. Relinquished By <i>Tom Rengerd</i>	Date 7/30/08	Time 16:15	2. Received By <i>R. English</i>	Date 07/30/08	Time 16:20
3. Relinquished By <i>R. English</i>	Date 07/30/08	Time 18:30	3. Received By <i>Tom Rengerd</i>	Date 7/31/08	Time 09:05

Comments
2020

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

18/18

OP-TECH Environmental

Client Sample ID: INFLUENT

Trace Level Organic Compounds

Lot-Sample #...: G8G310172-001 Work Order #...: KTFJH1AA Matrix.....: WATER
 Date Sampled...: 07/30/08 Date Received..: 07/31/08
 Prep Date.....: 07/31/08 Analysis Date..: 08/08/08
 Prep Batch #...: 8214228
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.4	pg/L	EPA-5 1613B
Total TCDD	ND	4.2	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	14	pg/L	EPA-5 1613B
Total PeCDD	ND	17	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	29 J		pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	130		pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	77		pg/L	EPA-5 1613B
Total HxCDD	570		pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	6900		pg/L	EPA-5 1613B
Total HpCDD	11000		pg/L	EPA-5 1613B
OCDD	96000 E		pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	3.2	pg/L	EPA-5 1613B
Total TCDF	32		pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	3.0	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	2.8	pg/L	EPA-5 1613B
Total PeCDF	ND	3.0	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	22	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	12	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	8.1	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	2.9	pg/L	EPA-5 1613B
Total HxCDF	520		pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	860		pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	67		pg/L	EPA-5 1613B
Total HpCDF	4500		pg/L	EPA-5 1613B
OCDF	6900		pg/L	EPA-5 1613B

(Continued on next page)

OP-TECH Environmental

Client Sample ID: INFLUENT

Trace Level Organic Compounds

Lot-Sample #...: G8G310172-001 Work Order #...: KTFJH1AA Matrix.....: WATER

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	45	(25 - 164)
13C-1,2,3,7,8-PeCDD	49	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	44	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	48	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	53	(23 - 140)
13C-OCDD	59	(17 - 157)
13C-2,3,7,8-TCDF	44	(24 - 169)
13C-1,2,3,7,8-PeCDF	43	(24 - 185)
13C-2,3,4,7,8-PeCDF	44	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	48	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	52	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	49	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	50	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	52	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	47	(26 - 152)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37C14-2,3,7,8-TCDD	95	(35 - 197)

NOTE(S):

-
- J Estimated result. Result is less than the reporting limit.
 - E Estimated result. Result concentration exceeds the calibration range.

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: INFLUENT

Lot-Sample #...: G8G310172 - 001
 Date Sampled...: 07/30/08
 Prep Date.....: 07/31/08
 Prep Batch #...: 8214228

Work Order #...: KTFJH1AA
 Date Received..: 07/31/08
 Analysis Date..: 08/08/08
 Dilution Factor: 1

Matrix.....: WATER
 Instrument: 4D5
 Units.....: pg/L
 % Moisture:

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	1.4	1.000	0
Total TCDD	ND	4.2		0
1,2,3,7,8-PeCDD	ND	14	0.500	0
Total PeCDD	ND	17		0
1,2,3,4,7,8-HxCDD	29	J	0.100	2.9000
1,2,3,6,7,8-HxCDD	130		0.100	13.0000
1,2,3,7,8,9-HxCDD	77		0.100	7.7000
Total HxCDD	570			
1,2,3,4,6,7,8-HpCDD	6900		0.010	69.0000
Total HpCDD	11000			
OCDD	96000	E	0.001	96.0000
2,3,7,8-TCDF	ND	3.2	0.100	0
Total TCDF	32			
1,2,3,7,8-PeCDF	ND	3.0	0.050	0
2,3,4,7,8-PeCDF	ND	2.8	0.500	0
Total PeCDF	ND	3.0		0
1,2,3,4,7,8-HxCDF	ND	22	0.100	0
1,2,3,6,7,8-HxCDF	ND	12	0.100	0
2,3,4,6,7,8-HxCDF	ND	8.1	0.100	0
1,2,3,7,8,9-HxCDF	ND	2.9	0.100	0
Total HxCDF	520			
1,2,3,4,6,7,8-HpCDF	860		0.010	8.6000
1,2,3,4,7,8,9-HpCDF	67		0.010	0.6700
Total HpCDF	4500			
OCDF	6900		0.001	6.9000
Total TEQ Concentration				204.7700

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	45	25 - 164
13C-1,2,3,7,8-PeCDD	49	25 - 181
13C-1,2,3,4,7,8-HxCDD	44	32 - 141
13C-1,2,3,6,7,8-HxCDD	48	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	53	23 - 140
13C-OCDD	59	17 - 157
13C-2,3,7,8-TCDF	44	24 - 169
13C-1,2,3,7,8-PeCDF	43	24 - 185
13C-2,3,4,7,8-PeCDF	44	21 - 178
13C-1,2,3,6,7,8-HxCDF	48	26 - 123
13C-2,3,4,6,7,8-HxCDF	52	28 - 136
13C-1,2,3,7,8,9-HxCDF	49	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	50	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	52	26 - 138
13C-1,2,3,4,7,8-HxCDF	47	26 - 152

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: INFLUENT

SURROGATE

37Cl4-2,3,7,8-TCDD

PERCENT
RECOVERY

95

RECOVERY
LIMITS

35 - 197

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-R9/016

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated result. Result is less than the reporting limit.

ANALYTICAL REPORT

Job#: A08-9700

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Camp Georgetown

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

CC: Mr. Eric Hoban

TestAmerica Laboratories Inc.



FOR: Richard Lafond
Project Manager

08/15/2008



TestAmerica Buffalo Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, 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*	Registration, NELAP CWA, RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA, RCRA	C1677
West Virginia	CWA, RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under 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.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8970001	EFFLUENT #2	WATER	08/08/2008	11:30	08/09/2008	09:15
A8970002	Trip Blank	WATER	08/08/2008		08/09/2008	09:15

METHODS SUMMARY

Job#: A08-9700Project#: NY5A9454
Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
8270 Low Semi-Volatiles	SW8463 8270LOW
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270
METHOD 8081 - TCL PESTICIDES	SW8463 8081
METHOD 8082 - POLYCHLORINATED BIPHENYLS - Aqueous	SW8463 8082
Aluminum - Total	SW8463 6010
Antimony - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Calcium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Cobalt - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Mercury - Total	SW8463 7470
Nickel - Total	SW8463 6010
Potassium - Total	SW8463 6010
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6010
Vanadium - Total	SW8463 6010
Zinc - Total	SW8463 6010

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9700Project#: NY5A9454
Site Name: DEC OP TECHGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9700

Sample Cooler(s) were received at the following temperature(s); 6@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

The Matrix Spike Blank A8B2043601 and the Matrix Spike Blank Duplicate A8B2043602 exceeded quality control limits for the analyte Pentachlorophenol. Since the data was considered biased high and Pentachlorophenol was non-detect for all samples, there was no impact on the data.

Several spike recoveries were below method defined quality control limits in the Matrix Spike Blank A8B2034101 and Matrix Spike Blank Duplicate A8B2034102. The sample was re-extracted outside of holding time and re-analyzed with compliant results. Both sets of data were reported.

For method 8270low, the surrogate recoveries for 2,4,6-Tribromophenol and 2-Fluorobiphenyl were above the laboratory quality control limits for sample EFFLUENT #2 and associated Matrix Spike Blank A8B2043601, Matrix Spike Blank Duplicate A8B2043602 and Method Blank A8B2043603. Based on the laboratory SOP, one surrogate in either fraction (base/neutral or acid fraction) may have a recovery outside of the control limit.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- 1 Indicates coelution.
- * Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- G Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
- * Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: EFFLUENT #2

Lab Sample ID: A8970001

Date Collected: 08/08/2008

Time Collected: 11:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,1-Dichloroethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,1-Dichloroethene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,2-Dibromoethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,2-Dichloroethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,2-Dichloropropane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
2-Butanone	ND		5.0	UG/L	8260	08/11/2008	22:49	ND
2-Hexanone	ND		5.0	UG/L	8260	08/11/2008	22:49	ND
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	08/11/2008	22:49	ND
Acetone	3.1	J	5.0	UG/L	8260	08/11/2008	22:49	ND
Benzene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Bromodichloromethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Bromoform	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Bromomethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Carbon Disulfide	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Carbon Tetrachloride	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Chlorobenzene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Chloroethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Chloroform	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Chloromethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Cyclohexane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Dibromochloromethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Dichlorodifluoromethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Ethylbenzene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Isopropylbenzene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Methyl acetate	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Methylcyclohexane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Methylene chloride	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Styrene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Tetrachloroethene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Toluene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Total Xylenes	ND		3.0	UG/L	8260	08/11/2008	22:49	ND
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Trichloroethene	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Trichlorofluoromethane	ND		1.0	UG/L	8260	08/11/2008	22:49	ND
Vinyl chloride	ND		1.0	UG/L	8260	08/11/2008	22:49	ND

Sample ID: EFFLUENT #2

Lab Sample ID: A8970001

Date Collected: 08/08/2008

Time Collected: 11:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
2,2'-Oxybis(1-Chloropropane)	ND		5	UG/L	8270	08/11/2008	13:37	MD
2,4,5-Trichlorophenol	ND		5	UG/L	8270	08/11/2008	13:37	MD
2,4,6-Trichlorophenol	ND		5	UG/L	8270	08/11/2008	13:37	MD
2,4-Dichlorophenol	ND		5	UG/L	8270	08/11/2008	13:37	MD
2,4-Dimethylphenol	ND		5	UG/L	8270	08/11/2008	13:37	MD
2,4-Dinitrophenol	ND		10	UG/L	8270	08/11/2008	13:37	MD
2,4-Dinitrotoluene	ND		5	UG/L	8270	08/11/2008	13:37	MD
2,6-Dinitrotoluene	ND		5	UG/L	8270	08/11/2008	13:37	MD
2-Chloronaphthalene	ND		5	UG/L	8270	08/11/2008	13:37	MD
2-Chlorophenol	ND		5	UG/L	8270	08/11/2008	13:37	MD
2-Methylnaphthalene	ND		5	UG/L	8270	08/11/2008	13:37	MD
2-Methylphenol	ND		5	UG/L	8270	08/11/2008	13:37	MD
2-Nitroaniline	ND		10	UG/L	8270	08/11/2008	13:37	MD
2-Nitrophenol	ND		5	UG/L	8270	08/11/2008	13:37	MD
3,3'-Dichlorobenzidine	ND		5	UG/L	8270	08/11/2008	13:37	MD
3-Nitroaniline	ND		10	UG/L	8270	08/11/2008	13:37	MD
4,6-Dinitro-2-methylphenol	ND		10	UG/L	8270	08/11/2008	13:37	MD
4-Bromophenyl phenyl ether	ND		5	UG/L	8270	08/11/2008	13:37	MD
4-Chloro-3-methylphenol	ND		5	UG/L	8270	08/11/2008	13:37	MD
4-Chloroaniline	ND		5	UG/L	8270	08/11/2008	13:37	MD
4-Chlorophenyl phenyl ether	ND		5	UG/L	8270	08/11/2008	13:37	MD
4-Methylphenol	ND		5	UG/L	8270	08/11/2008	13:37	MD
4-Nitroaniline	ND		10	UG/L	8270	08/11/2008	13:37	MD
4-Nitrophenol	ND		10	UG/L	8270	08/11/2008	13:37	MD
Acenaphthene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Acenaphthylene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Acetophenone	ND		5	UG/L	8270	08/11/2008	13:37	MD
Anthracene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Atrazine	ND		5	UG/L	8270	08/11/2008	13:37	MD
Benzaldehyde	ND		5	UG/L	8270	08/11/2008	13:37	MD
Benzo(a)anthracene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Benzo(a)pyrene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Benzo(b)fluoranthene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Benzo(ghi)perylene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Benzo(k)fluoranthene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Benzoic acid	ND		140	UG/L	8270	08/11/2008	13:37	MD
Biphenyl	ND		5	UG/L	8270	08/11/2008	13:37	MD
Bis(2-chloroethoxy) methane	ND		5	UG/L	8270	08/11/2008	13:37	MD
Bis(2-chloroethyl) ether	ND		5	UG/L	8270	08/11/2008	13:37	MD
Bis(2-ethylhexyl) phthalate	ND		5	UG/L	8270	08/11/2008	13:37	MD
Butyl benzyl phthalate	ND		5	UG/L	8270	08/11/2008	13:37	MD
Caprolactam	ND		5	UG/L	8270	08/11/2008	13:37	MD
Carbazole	ND		5	UG/L	8270	08/11/2008	13:37	MD
Chrysene	0.5	BJ	5	UG/L	8270	08/11/2008	13:37	MD
Di-n-butyl phthalate	0.8	BJ	5	UG/L	8270	08/11/2008	13:37	MD
Di-n-octyl phthalate	ND		5	UG/L	8270	08/11/2008	13:37	MD
Dibenzo(a,h)anthracene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Dibenzofuran	ND		5	UG/L	8270	08/11/2008	13:37	MD
Diethyl phthalate	ND		5	UG/L	8270	08/11/2008	13:37	MD

Sample ID: EFFLUENT #2

Lab Sample ID: A8970001

Date Collected: 08/08/2008

Time Collected: 11:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
Dimethyl phthalate	ND		5	UG/L	8270	08/11/2008	13:37	MD
Fluoranthene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Fluorene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Hexachlorobenzene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Hexachlorobutadiene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Hexachlorocyclopentadiene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Hexachloroethane	ND		5	UG/L	8270	08/11/2008	13:37	MD
Indeno(1,2,3-cd)pyrene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Isophorone	ND		5	UG/L	8270	08/11/2008	13:37	MD
N-Nitroso-Di-n-propylamine	ND		5	UG/L	8270	08/11/2008	13:37	MD
N-nitrosodiphenylamine	ND		5	UG/L	8270	08/11/2008	13:37	MD
Naphthalene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Nitrobenzene	ND		5	UG/L	8270	08/11/2008	13:37	MD
Pentachlorophenol	ND		10	UG/L	8270	08/11/2008	13:37	MD
Phenanthrene	0.3	BJ	5	UG/L	8270	08/11/2008	13:37	MD
Phenol	ND		5	UG/L	8270	08/11/2008	13:37	MD
Pyrene	ND		5	UG/L	8270	08/11/2008	13:37	MD
SOIL - SW846 - 8270 LOW SEMI-VOLATILES - PCP								
Pentachlorophenol	ND		1	UG/L	8270LOW	08/14/2008	16:35	AJ
AQUEOUS - SW8463 - TCL PESTICIDES - 8081								
4,4'-DDD	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
4,4'-DDE	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
4,4'-DDT	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Aldrin	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
alpha-BHC	0.011	BJ	0.048	UG/L	8081	08/12/2008	21:14	TCH
alpha-Chlordane	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
beta-BHC	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
delta-BHC	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Dieldrin	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Endosulfan I	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Endosulfan II	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Endosulfan Sulfate	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Endrin	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Endrin aldehyde	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Endrin ketone	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
gamma-BHC (Lindane)	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
gamma-Chlordane	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Heptachlor	0.016	J	0.048	UG/L	8081	08/12/2008	21:14	TCH
Heptachlor epoxide	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Methoxychlor	ND		0.048	UG/L	8081	08/12/2008	21:14	TCH
Toxaphene	ND		0.48	UG/L	8081	08/12/2008	21:14	TCH
AQUEOUS - SW8463 - PCBS - 8082								
Aroclor 1016	ND		0.48	UG/L	8082	08/11/2008	19:39	GFD
Aroclor 1221	ND		0.48	UG/L	8082	08/11/2008	19:39	GFD
Aroclor 1232	ND		0.48	UG/L	8082	08/11/2008	19:39	GFD
Aroclor 1242	ND		0.48	UG/L	8082	08/11/2008	19:39	GFD

Sample ID: EFFLUENT #2

Lab Sample ID: A8970001

Date Collected: 08/08/2008

Time Collected: 11:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - PCBS - 8082								
Aroclor 1248	ND		0.48	UG/L	8082	08/11/2008	19:39	GFD
Aroclor 1254	ND		0.48	UG/L	8082	08/11/2008	19:39	GFD
Aroclor 1260	ND		0.48	UG/L	8082	08/11/2008	19:39	GFD
Metals Analysis								
Aluminum - Total	0.29		0.20	MG/L	6010	08/11/2008	16:05	TWS
Antimony - Total	ND		0.020	MG/L	6010	08/11/2008	16:05	TWS
Arsenic - Total	0.12		0.010	MG/L	6010	08/11/2008	16:05	TWS
Barium - Total	0.013		0.0020	MG/L	6010	08/11/2008	16:05	TWS
Beryllium - Total	ND		0.0020	MG/L	6010	08/11/2008	16:05	TWS
Cadmium - Total	ND		0.0010	MG/L	6010	08/11/2008	16:05	TWS
Calcium - Total	37.6		0.50	MG/L	6010	08/11/2008	16:05	TWS
Chromium - Total	ND		0.0040	MG/L	6010	08/11/2008	16:05	TWS
Cobalt - Total	ND		0.0040	MG/L	6010	08/11/2008	16:05	TWS
Copper - Total	ND		0.010	MG/L	6010	08/11/2008	16:05	TWS
Iron - Total	0.081		0.050	MG/L	6010	08/11/2008	16:05	TWS
Lead - Total	0.013		0.0050	MG/L	6010	08/11/2008	16:05	TWS
Magnesium - Total	5.8		0.20	MG/L	6010	08/11/2008	16:05	TWS
Manganese - Total	0.038		0.0030	MG/L	6010	08/11/2008	16:05	TWS
Mercury - Total	ND		0.00020	MG/L	7470	08/11/2008	18:21	MM
Nickel - Total	ND		0.010	MG/L	6010	08/11/2008	16:05	TWS
Potassium - Total	21.0		0.50	MG/L	6010	08/11/2008	16:05	TWS
Selenium - Total	ND		0.015	MG/L	6010	08/11/2008	16:05	TWS
Silver - Total	ND		0.0030	MG/L	6010	08/11/2008	16:05	TWS
Sodium - Total	6.4		1.0	MG/L	6010	08/11/2008	16:05	TWS
Thallium - Total	ND		0.020	MG/L	6010	08/11/2008	16:05	TWS
Vanadium - Total	0.013		0.0050	MG/L	6010	08/11/2008	16:05	TWS
Zinc - Total	0.015		0.010	MG/L	6010	08/11/2008	16:05	TWS

Sample ID: EFFLUENT #2

Lab Sample ID: A8970001RE

Date Collected: 08/08/2008

Time Collected: 11:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
2,2'-Oxybis(1-Chloropropane)	ND		5	UG/L	8270	08/15/2008	14:15	MD
2,4,5-Trichlorophenol	ND		5	UG/L	8270	08/15/2008	14:15	MD
2,4,6-Trichlorophenol	ND		5	UG/L	8270	08/15/2008	14:15	MD
2,4-Dichlorophenol	ND		5	UG/L	8270	08/15/2008	14:15	MD
2,4-Dimethylphenol	ND		5	UG/L	8270	08/15/2008	14:15	MD
2,4-Dinitrophenol	ND		10	UG/L	8270	08/15/2008	14:15	MD
2,4-Dinitrotoluene	ND		5	UG/L	8270	08/15/2008	14:15	MD
2,6-Dinitrotoluene	ND		5	UG/L	8270	08/15/2008	14:15	MD
2-Chloronaphthalene	ND		5	UG/L	8270	08/15/2008	14:15	MD
2-Chlorophenol	ND		5	UG/L	8270	08/15/2008	14:15	MD
2-Methylnaphthalene	ND		5	UG/L	8270	08/15/2008	14:15	MD
2-Methylphenol	ND		5	UG/L	8270	08/15/2008	14:15	MD
2-Nitroaniline	ND		10	UG/L	8270	08/15/2008	14:15	MD
2-Nitrophenol	ND		5	UG/L	8270	08/15/2008	14:15	MD
3,3'-Dichlorobenzidine	ND		5	UG/L	8270	08/15/2008	14:15	MD
3-Nitroaniline	ND		10	UG/L	8270	08/15/2008	14:15	MD
4,6-Dinitro-2-methylphenol	ND		10	UG/L	8270	08/15/2008	14:15	MD
4-Bromophenyl phenyl ether	ND		5	UG/L	8270	08/15/2008	14:15	MD
4-Chloro-3-methylphenol	ND		5	UG/L	8270	08/15/2008	14:15	MD
4-Chloroaniline	ND		5	UG/L	8270	08/15/2008	14:15	MD
4-Chlorophenyl phenyl ether	ND		5	UG/L	8270	08/15/2008	14:15	MD
4-Methylphenol	ND		5	UG/L	8270	08/15/2008	14:15	MD
4-Nitroaniline	ND		10	UG/L	8270	08/15/2008	14:15	MD
4-Nitrophenol	ND		10	UG/L	8270	08/15/2008	14:15	MD
Acenaphthene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Acenaphthylene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Acetophenone	ND		5	UG/L	8270	08/15/2008	14:15	MD
Anthracene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Atrazine	ND		5	UG/L	8270	08/15/2008	14:15	MD
Benzaldehyde	ND		5	UG/L	8270	08/15/2008	14:15	MD
Benzo(a)anthracene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Benzo(a)pyrene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Benzo(b)fluoranthene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Benzo(ghi)perylene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Benzo(k)fluoranthene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Benzoic acid	ND		140	UG/L	8270	08/15/2008	14:15	MD
Biphenyl	ND		5	UG/L	8270	08/15/2008	14:15	MD
Bis(2-chloroethoxy) methane	ND		5	UG/L	8270	08/15/2008	14:15	MD
Bis(2-chloroethyl) ether	ND		5	UG/L	8270	08/15/2008	14:15	MD
Bis(2-ethylhexyl) phthalate	ND		5	UG/L	8270	08/15/2008	14:15	MD
Butyl benzyl phthalate	ND		5	UG/L	8270	08/15/2008	14:15	MD
Caprolactam	ND		5	UG/L	8270	08/15/2008	14:15	MD
Carbazole	ND		5	UG/L	8270	08/15/2008	14:15	MD
Chrysene	0.6	BJ	5	UG/L	8270	08/15/2008	14:15	MD
Di-n-butyl phthalate	0.6	BJ	5	UG/L	8270	08/15/2008	14:15	MD
Di-n-octyl phthalate	ND		5	UG/L	8270	08/15/2008	14:15	MD
Dibenzo(a,h)anthracene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Dibenzofuran	ND		5	UG/L	8270	08/15/2008	14:15	MD
Diethyl phthalate	ND		5	UG/L	8270	08/15/2008	14:15	MD

Sample ID: EFFLUENT #2

Lab Sample ID: A8970001RE

Date Collected: 08/08/2008

Time Collected: 11:30

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
AQUEOUS - SW8463 - SEMIVOLATILES - 8270								
Dimethyl phthalate	ND		5	UG/L	8270	08/15/2008	14:15	MD
Fluoranthene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Fluorene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Hexachlorobenzene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Hexachlorobutadiene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Hexachlorocyclopentadiene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Hexachloroethane	ND		5	UG/L	8270	08/15/2008	14:15	MD
Indeno(1,2,3-cd)pyrene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Isophorone	ND		5	UG/L	8270	08/15/2008	14:15	MD
N-Nitroso-Di-n-propylamine	ND		5	UG/L	8270	08/15/2008	14:15	MD
N-nitrosodiphenylamine	ND		5	UG/L	8270	08/15/2008	14:15	MD
Naphthalene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Nitrobenzene	ND		5	UG/L	8270	08/15/2008	14:15	MD
Pentachlorophenol	ND		10	UG/L	8270	08/15/2008	14:15	MD
Phenanthrene	0.3	BJ	5	UG/L	8270	08/15/2008	14:15	MD
Phenol	ND		5	UG/L	8270	08/15/2008	14:15	MD
Pyrene	ND		5	UG/L	8270	08/15/2008	14:15	MD

Sample ID: Trip Blank

Lab Sample ID: A8970002

Date Collected: 08/08/2008

Time Collected:

Date Received: 08/09/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection			Date/Time		Analyst
			Limit	Units	Method	Analyzed		
AQUEOUS - SW8463 - VOLATILES - 8260								
1,1,1-Trichloroethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,1,2,2-Tetrachloroethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,1,2-Trichloroethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,1-Dichloroethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,1-Dichloroethene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,2,4-Trichlorobenzene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,2-Dibromo-3-chloropropane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,2-Dibromoethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,2-Dichlorobenzene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,2-Dichloroethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,2-Dichloropropane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,3-Dichlorobenzene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
1,4-Dichlorobenzene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
2-Butanone	ND		5.0	UG/L	8260	08/11/2008	23:12	ND
2-Hexanone	ND		5.0	UG/L	8260	08/11/2008	23:12	ND
4-Methyl-2-pentanone	ND		5.0	UG/L	8260	08/11/2008	23:12	ND
Acetone	1.7	J	5.0	UG/L	8260	08/11/2008	23:12	ND
Benzene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Bromodichloromethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Bromoform	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Bromomethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Carbon Disulfide	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Carbon Tetrachloride	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Chlorobenzene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Chloroethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Chloroform	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Chloromethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
cis-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
cis-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Cyclohexane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Dibromochloromethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Dichlorodifluoromethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Ethylbenzene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Isopropylbenzene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Methyl acetate	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Methyl-t-Butyl Ether (MTBE)	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Methylcyclohexane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Methylene chloride	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Styrene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Tetrachloroethene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Toluene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Total Xylenes	ND		3.0	UG/L	8260	08/11/2008	23:12	ND
trans-1,2-Dichloroethene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
trans-1,3-Dichloropropene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Trichloroethene	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Trichlorofluoromethane	ND		1.0	UG/L	8260	08/11/2008	23:12	ND
Vinyl chloride	ND		1.0	UG/L	8260	08/11/2008	23:12	ND

Chain of Custody Record

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

R

TAL-4142 (0907)

Client OP-Tech		Project Manager Tom Rengert		Date 8/8/08	Chain of Custody Number 395151
Address 6392 Deere Rd		Telephone Number (Area Code)/Fax Number		Lab Number	Page 1 of 1

City SYRACUSE	State NY	Zip Code 13206	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Project Name and Location (State) Camp Georgetown / Post Excavation			Carrier/Waybill Number			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives							Special Instructions/ Conditions of Receipt										
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	8260		8270	Pest	PCB	Metal	Dioxin	Lowlevel P/P	SVOC			
Effluent #2	8/8/08	11:30	X				9			13														Please Archive "Influent" samples pending 90-ohrs from OPTECH.
Influent #2	8/8/08	1:00	X				9			13														
Septic Tank #1 (Rush)	8/8/08	9:40	X				1			2														

Possible Hazard Identification	Sample Disposal	(A fee may be assessed if samples are retained longer than 1 month)
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	

Turn Around Time Required	Effluent	Rush on Septic	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input checked="" type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input checked="" type="checkbox"/> Other			Category A
1. Relinquished By <i>M. English</i>	Date 8/8/08	Time 17:30	1. Received By <i>R. English</i>
2. Relinquished By <i>R. English</i>	Date 08/08/08	Time 18:30	2. Received By <i>[Signature]</i>
3. Relinquished By	Date	Time	3. Received By

Comments

15/15

62502

OP-TECH Environmental

Client Sample ID: EFFLUENT #2

Trace Level Organic Compounds

Lot-Sample #...: G8H090174-001 Work Order #...: KTXCF1AA Matrix.....: WATER
 Date Sampled...: 08/08/08 Date Received..: 08/09/08
 Prep Date.....: 08/12/08 Analysis Date..: 08/13/08
 Prep Batch #...: 8225261
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	1.2	pg/L	EPA-5 1613B
Total TCDD	ND	1.2	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	2.0	pg/L	EPA-5 1613B
Total PeCDD	ND	2.0	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	1.4	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	14	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	8.3	pg/L	EPA-5 1613B
Total HxCDD	ND	16	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	580		pg/L	EPA-5 1613B
Total HpCDD	850		pg/L	EPA-5 1613B
OCDD	5700		pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	0.51	pg/L	EPA-5 1613B
Total TCDF	ND	0.51	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	1.0	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	1.2	pg/L	EPA-5 1613B
Total PeCDF	ND	1.4	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	5.5	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	2.9	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	2.1	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.84	pg/L	EPA-5 1613B
Total HxCDF	37		pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	110		pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	11	pg/L	EPA-5 1613B
Total HpCDF	530		pg/L	EPA-5 1613B
OCDF	880		pg/L	EPA-5 1613B

(Continued on next page)

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: EFFLUENT #2

Lot-Sample #...: G8H090174 - 001
 Date Sampled...: 08/08/08
 Prep Date.....: 08/12/08
 Prep Batch #...: 8225261

Work Order #...: KTXCF1AA
 Date Received...: 08/09/08
 Analysis Date...: 08/13/08
 Dilution Factor: 1

Matrix....: WATER
 Instrument: 4D5
 Units.....: pg/L
 % Moisture:

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.2	1.000	0
Total TCDD	ND	1.2		0
1,2,3,7,8-PeCDD	ND	2.0	0.500	0
Total PeCDD	ND	2.0		0
1,2,3,4,7,8-HxCDD	ND	1.4	0.100	0
1,2,3,6,7,8-HxCDD	ND	14	0.100	0
1,2,3,7,8,9-HxCDD	ND	8.3	0.100	0
Total HxCDD	ND	16		0
1,2,3,4,6,7,8-HpCDD	580		0.010	5.8000
Total HpCDD	850			
OCDD	5700		0.001	5.7000
2,3,7,8-TCDF	ND	0.51	0.100	0
Total TCDF	ND	0.51		0
1,2,3,7,8-PeCDF	ND	1.0	0.050	0
2,3,4,7,8-PeCDF	ND	1.2	0.500	0
Total PeCDF	ND	1.4		0
1,2,3,4,7,8-HxCDF	ND	5.5	0.100	0
1,2,3,6,7,8-HxCDF	ND	2.9	0.100	0
2,3,4,6,7,8-HxCDF	ND	2.1	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.84	0.100	0
Total HxCDF	37			
1,2,3,4,6,7,8-HpCDF	110		0.010	1.1000
1,2,3,4,7,8,9-HpCDF	ND	11	0.010	0
Total HpCDF	530			
OCDF	880		0.001	0.8800
Total TEQ Concentration				13.4800

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	45	25 - 164
13C-1,2,3,7,8-PeCDD	37	25 - 181
13C-1,2,3,4,7,8-HxCDD	42	32 - 141
13C-1,2,3,6,7,8-HxCDD	44	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	43	23 - 140
13C-OCDD	40	17 - 157
13C-2,3,7,8-TCDF	43	24 - 169
13C-1,2,3,7,8-PeCDF	34	24 - 185
13C-2,3,4,7,8-PeCDF	34	21 - 178
13C-1,2,3,6,7,8-HxCDF	48	26 - 123
13C-2,3,4,6,7,8-HxCDF	46	28 - 136
13C-1,2,3,7,8,9-HxCDF	45	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	44	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	44	26 - 138
13C-1,2,3,4,7,8-HxCDF	41	26 - 152

OP-TECH Environmental

Client Sample ID: EFFLUENT #2

Trace Level Organic Compounds

Lot-Sample #...: G8H090174-001 Work Order #...: KTXCF1AA Matrix.....: WATER

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	45	(25 - 164)
13C-1,2,3,7,8-PeCDD	37	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	42	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	44	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	43	(23 - 140)
13C-OCDD	40	(17 - 157)
13C-2,3,7,8-TCDF	43	(24 - 169)
13C-1,2,3,7,8-PeCDF	34	(24 - 185)
13C-2,3,4,7,8-PeCDF	34	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	48	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	46	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	45	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	44	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	44	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	41	(26 - 152)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37C14-2,3,7,8-TCDD	92	(35 - 197)

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: EFFLUENT #2

SURROGATE

37Cl4-2,3,7,8-TCDD

PERCENT
RECOVERY

92

RECOVERY
LIMITS

35 - 197

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-R9/016

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H090174
 MB Lot-Sample #: G8H120000-261

Work Order #...: KT1PA1AA

Matrix.....: WATER

Prep Date.....: 08/12/08

Analysis Date...: 08/13/08

Prep Batch #...: 8225261

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
2,3,7,8-TCDD	ND	2.2	pg/L	EPA-5 1613B
Total TCDD	ND	2.2	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	2.6	pg/L	EPA-5 1613B
Total PeCDD	ND	2.6	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	1.0	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	0.93	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	1.0	pg/L	EPA-5 1613B
Total HxCDD	ND	1.0	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	1.5	pg/L	EPA-5 1613B
Total HpCDD	ND	1.5	pg/L	EPA-5 1613B
OCDD	ND	6.6	pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	2.8	pg/L	EPA-5 1613B
Total TCDF	ND	2.8	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	1.8	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	1.6	pg/L	EPA-5 1613B
Total PeCDF	ND	1.8	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.68	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.62	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.53	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.63	pg/L	EPA-5 1613B
Total HxCDF	ND	0.68	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	1.2	pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	0.82	pg/L	EPA-5 1613B
Total HpCDF	ND	1.2	pg/L	EPA-5 1613B
OCDF	ND	1.8	pg/L	EPA-5 1613B

(Continued on next page)

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8H090174

Work Order #...: KT1PA1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
	PERCENT	RECOVERY		
<u>INTERNAL STANDARDS</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
13C-2,3,7,8-TCDD	24 *	(25 - 164)		
13C-1,2,3,7,8-PeCDD	26	(25 - 181)		
13C-1,2,3,4,7,8-HxCDD	36	(32 - 141)		
13C-1,2,3,6,7,8-HxCDD	41	(28 - 130)		
13C-1,2,3,4,6,7,8-HpCDD	46	(23 - 140)		
13C-OCDD	46	(17 - 157)		
13C-2,3,7,8-TCDF	22 *	(24 - 169)		
13C-1,2,3,7,8-PeCDF	19 *	(24 - 185)		
13C-2,3,4,7,8-PeCDF	24	(21 - 178)		
13C-1,2,3,6,7,8-HxCDF	36	(26 - 123)		
13C-2,3,4,6,7,8-HxCDF	42	(28 - 136)		
13C-1,2,3,7,8,9-HxCDF	42	(29 - 147)		
13C-1,2,3,4,6,7,8-HpCDF	44	(28 - 143)		
13C-1,2,3,4,7,8,9-HpCDF	47	(26 - 138)		
13C-1,2,3,4,7,8-HxCDF	35	(26 - 152)		
	PERCENT	RECOVERY		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
37C14-2,3,7,8-TCDD	91	(35 - 197)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8H090174 Work Order #...: KT1PA1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: G8H120000-261 KT1PA1AD-LCSD
 Prep Date.....: 08/12/08 Analysis Date..: 08/13/08
 Prep Batch #...: 8225261
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
2,3,7,8-TCDD	98	(67 - 158)			EPA-5 1613B
	96	(67 - 158)	2.1	(0-50)	EPA-5 1613B
1,2,3,7,8-PeCDD	91	(70 - 142)			EPA-5 1613B
	88	(70 - 142)	2.9	(0-50)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	96	(70 - 164)			EPA-5 1613B
	87	(70 - 164)	10	(0-50)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	96	(76 - 134)			EPA-5 1613B
	97	(76 - 134)	0.59	(0-50)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	105	(64 - 162)			EPA-5 1613B
	105	(64 - 162)	0.20	(0-50)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	99	(70 - 140)			EPA-5 1613B
	97	(70 - 140)	2.2	(0-50)	EPA-5 1613B
OCDD	98	(78 - 144)			EPA-5 1613B
	97	(78 - 144)	1.5	(0-50)	EPA-5 1613B
2,3,7,8-TCDF	119	(75 - 158)			EPA-5 1613B
	105	(75 - 158)	12	(0-50)	EPA-5 1613B
1,2,3,7,8-PeCDF	102	(80 - 134)			EPA-5 1613B
	99	(80 - 134)	3.3	(0-50)	EPA-5 1613B
2,3,4,7,8-PeCDF	101	(68 - 160)			EPA-5 1613B
	97	(68 - 160)	4.1	(0-50)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	96	(72 - 134)			EPA-5 1613B
	92	(72 - 134)	3.8	(0-50)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	102	(84 - 130)			EPA-5 1613B
	95	(84 - 130)	7.2	(0-50)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	98	(70 - 156)			EPA-5 1613B
	98	(70 - 156)	0.27	(0-50)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	95	(78 - 130)			EPA-5 1613B
	98	(78 - 130)	4.0	(0-50)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	97	(82 - 122)			EPA-5 1613B
	99	(82 - 122)	2.6	(0-50)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	98	(78 - 138)			EPA-5 1613B
	93	(78 - 138)	5.8	(0-50)	EPA-5 1613B
OCDF	98	(63 - 170)			EPA-5 1613B
	97	(63 - 170)	0.92	(0-50)	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8H090174 Work Order #...: KT1PA1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: G8H120000-261 KT1PA1AD-LCSD
 Prep Date.....: 08/12/08 Analysis Date...: 08/13/08
 Prep Batch #...: 8225261
 Dilution Factor: 1

PARAMETER	SPIKE		MEASURED		PERCENT		METHOD
	AMOUNT	AMOUNT	UNITS	RECOVERY	RPD		
2,3,7,8-TCDD	200	195	pg/L	98			EPA-5 1613B
	200	191	pg/L	96	2.1		EPA-5 1613B
1,2,3,7,8-PeCDD	1000	908	pg/L	91			EPA-5 1613B
	1000	882	pg/L	88	2.9		EPA-5 1613B
1,2,3,4,7,8-HxCDD	1000	959	pg/L	96			EPA-5 1613B
	1000	865	pg/L	87	10		EPA-5 1613B
1,2,3,6,7,8-HxCDD	1000	963	pg/L	96			EPA-5 1613B
	1000	968	pg/L	97	0.59		EPA-5 1613B
1,2,3,7,8,9-HxCDD	1000	1050	pg/L	105			EPA-5 1613B
	1000	1050	pg/L	105	0.20		EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	1000	994	pg/L	99			EPA-5 1613B
	1000	972	pg/L	97	2.2		EPA-5 1613B
OCDD	2000	1960	pg/L	98			EPA-5 1613B
	2000	1930	pg/L	97	1.5		EPA-5 1613B
2,3,7,8-TCDF	200	237	pg/L	119			EPA-5 1613B
	200	210	pg/L	105	12		EPA-5 1613B
1,2,3,7,8-PeCDF	1000	1020	pg/L	102			EPA-5 1613B
	1000	986	pg/L	99	3.3		EPA-5 1613B
2,3,4,7,8-PeCDF	1000	1010	pg/L	101			EPA-5 1613B
	1000	972	pg/L	97	4.1		EPA-5 1613B
1,2,3,4,7,8-HxCDF	1000	957	pg/L	96			EPA-5 1613B
	1000	922	pg/L	92	3.8		EPA-5 1613B
1,2,3,6,7,8-HxCDF	1000	1020	pg/L	102			EPA-5 1613B
	1000	952	pg/L	95	7.2		EPA-5 1613B
2,3,4,6,7,8-HxCDF	1000	979	pg/L	98			EPA-5 1613B
	1000	977	pg/L	98	0.27		EPA-5 1613B
1,2,3,7,8,9-HxCDF	1000	945	pg/L	95			EPA-5 1613B
	1000	984	pg/L	98	4.0		EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	1000	966	pg/L	97			EPA-5 1613B
	1000	991	pg/L	99	2.6		EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	1000	981	pg/L	98			EPA-5 1613B
	1000	925	pg/L	93	5.8		EPA-5 1613B
OCDF	2000	1970	pg/L	98			EPA-5 1613B
	2000	1950	pg/L	97	0.92		EPA-5 1613B

(Continued on next page)

ANALYTICAL REPORT

Job#: A08-A885

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Georgetown - Level IV

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

TestAmerica Laboratories Inc.

Richard J. Lafond
Project Manager

09/12/2008

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A88503	AOC-F BOTTOM#1	SOIL	09/05/2008	10:00	09/06/2008	09:00
A8A88502	AOC-F BOTTOM#2	SOIL	09/05/2008	08:00	09/06/2008	09:00
A8A88504	AOC-F SOUTHWALL#1	SOIL	09/05/2008	09:50	09/06/2008	09:00
A8A88501	EFFLUENT BATCH#4-2	WATER	09/05/2008	00:00	09/06/2008	09:00

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-A885

Project#: NY5A9454
 Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
8270 Low Semi-Volatiles	SW8463 8270LOW
METHOD 8270 - SEMI-VOLATILE ORGANICS -	SW8463 8270
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270
METHOD 8082 - POLYCHLORINATED BIPHENYLS - Aqueous	SW8463 8082
Aluminum - Total	SW8463 6010
Arsenic - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Copper - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Nickel - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6020
pH	A89/91 9040

References:

- A89/91 "Analytical Services Protocol", New York State Department of Conservation, September 1989, Revised 1991
- SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab standard quantitation limit (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>Method</u>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<u>Organics</u>				
8082	Aroclor 1254	UG/L	0.090	0.50
8270	Benzoic acid	UG/L	100	150
6010	Aluminum - Total	UG/L	100	200

Sample ID: EFFLUENT BATCH#4-2

Date Received: 09/06/2008

Lab Sample ID: A8A88501

Project No: NY5A9454

Date Collected: 09/05/2008

Client No: 135066

Time Collected: 00:00

Site No:

Parameter	Result	Flag	Detection	Units	Method	Date/Time		Analyst
			Limit			Analyzed		
EFF WATER - SW8463 - SEMIVOLATILES - 8270								
2,6-Dinitrotoluene	ND		5	UG/L	8270	09/09/2008	17:22	MD
Benzoic acid	ND		95	UG/L	8270	09/09/2008	17:22	MD
Bis(2-ethylhexyl) phthalate	ND		5	UG/L	8270	09/09/2008	17:22	MD
AQUEOUS - SW846 - 8270 LOW SEMI-VOLATILES - P								
Pentachlorophenol	ND		1	UG/L	8270LOW	09/11/2008	14:02	MD
EFF WATER - SW8463 - AROCLOR 1254 - 8082								
Aroclor 1254	ND		0.086	UG/L	8082	09/10/2008	12:58	DW
Metals Analysis								
Aluminum - Total	ND		100	UG/L	6010	09/09/2008	23:16	
Beryllium - Total	ND		3.0	UG/L	6010	09/09/2008	23:16	
Chromium - Total	ND		50.0	UG/L	6010	09/09/2008	23:16	
Iron - Total	ND		300	UG/L	6010	09/09/2008	23:16	
Lead - Total	ND		25.0	UG/L	6010	09/09/2008	23:16	
Magnesium - Total	ND		35000	UG/L	6010	09/09/2008	23:16	
Manganese - Total	520		300	UG/L	6010	09/09/2008	23:16	
Nickel - Total	ND		100	UG/L	6010	09/09/2008	23:16	
Sodium - Total	ND		20000	UG/L	6010	09/09/2008	23:16	
Thallium - Total	ND		0.50	UG/L	6020	09/10/2008	15:14	
Wet Chemistry Analysis								
pH	7.95		0	S.U.	9040	09/06/2008	12:00	JM

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: EFFLUENT BATCH #4-2

Lot-Sample #...: G8I080159 - 001
 Date Sampled...: 09/05/08
 Prep Date.....: 09/09/08
 Prep Batch #...: 8253441

Work Order #...: KWF861AA
 Date Received...: 09/06/08
 Analysis Date...: 09/10/08
 Dilution Factor: 1

Matrix....: WATER
 Instrument: ID5
 Units.....: pg/L
 % Moisture:

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	3.4	1.000	0
Total TCDD	ND	3.4		0
1,2,3,7,8-PeCDD	ND	5.6	0.500	0
Total PeCDD	ND	5.6		0
1,2,3,4,7,8-HxCDD	ND	4.5	0.100	0
1,2,3,6,7,8-HxCDD	ND	4.2	0.100	0
1,2,3,7,8,9-HxCDD	ND	4.1	0.100	0
Total HxCDD	ND	4.5		0
1,2,3,4,6,7,8-HpCDD	ND	7.7	0.010	0
Total HpCDD	ND	7.7		0
OCDD	96	J	0.001	0.0960
2,3,7,8-TCDF	ND	2.1	0.100	0
Total TCDF	ND	2.1		0
1,2,3,7,8-PeCDF	ND	3.4	0.050	0
2,3,4,7,8-PeCDF	ND	3.7	0.500	0
Total PeCDF	ND	3.7		0
1,2,3,4,7,8-HxCDF	ND	4.2	0.100	0
1,2,3,6,7,8-HxCDF	ND	3.9	0.100	0
2,3,4,6,7,8-HxCDF	ND	2.9	0.100	0
1,2,3,7,8,9-HxCDF	ND	3.3	0.100	0
Total HxCDF	ND	4.2		0
1,2,3,4,6,7,8-HpCDF	ND	2.5	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	3.5	0.010	0
Total HpCDF	ND	3.5		0
OCDF	ND	9.6	0.001	0
Total TEQ Concentration				0.0960

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	68	25 - 164
13C-1,2,3,7,8-PeCDD	70	25 - 181
13C-1,2,3,4,7,8-HxCDD	73	32 - 141
13C-1,2,3,6,7,8-HxCDD	70	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	72	23 - 140
13C-OCDD	72	17 - 157
13C-2,3,7,8-TCDF	63	24 - 169
13C-1,2,3,7,8-PeCDF	68	24 - 185
13C-2,3,4,7,8-PeCDF	68	21 - 178
13C-1,2,3,6,7,8-HxCDF	61	26 - 123
13C-2,3,4,6,7,8-HxCDF	72	28 - 136
13C-1,2,3,7,8,9-HxCDF	69	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	84	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	76	26 - 138
13C-1,2,3,4,7,8-HxCDF	66	26 - 152

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: EFFLUENT BATCH #4-2

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	85	35 - 197

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

J Estimated result. Result is less than the reporting limit.

OP-TECH Environmental

Client Sample ID: EFFLUENT BATCH #4-2

Trace Level Organic Compounds

Lot-Sample #...: G8I080159-001 Work Order #...: KWF861AA Matrix.....: WATER
 Date Sampled...: 09/05/08 Date Received..: 09/06/08
 Prep Date.....: 09/09/08 Analysis Date..: 09/10/08
 Prep Batch #...: 8253441
 Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	3.4	pg/L	EPA-5 1613B
Total TCDD	ND	3.4	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	5.6	pg/L	EPA-5 1613B
Total PeCDD	ND	5.6	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	4.5	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	4.2	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	4.1	pg/L	EPA-5 1613B
Total HxCDD	ND	4.5	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	7.7	pg/L	EPA-5 1613B
Total HpCDD	ND	7.7	pg/L	EPA-5 1613B
OCDD	96 J		pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	2.1	pg/L	EPA-5 1613B
Total TCDF	ND	2.1	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	3.4	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	3.7	pg/L	EPA-5 1613B
Total PeCDF	ND	3.7	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	4.2	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	3.9	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	2.9	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	3.3	pg/L	EPA-5 1613B
Total HxCDF	ND	4.2	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	2.5	pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	3.5	pg/L	EPA-5 1613B
Total HpCDF	ND	3.5	pg/L	EPA-5 1613B
OCDF	ND	9.6	pg/L	EPA-5 1613B

(Continued on next page)

OP-TECH Environmental

Client Sample ID: EFFLUENT BATCH #4-2

Trace Level Organic Compounds

Lot-Sample #...: G8I080159-001 Work Order #...: KWF861AA Matrix.....: WATER

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	68	(25 - 164)
13C-1,2,3,7,8-PeCDD	70	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	73	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	70	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	72	(23 - 140)
13C-OCDD	72	(17 - 157)
13C-2,3,7,8-TCDF	63	(24 - 169)
13C-1,2,3,7,8-PeCDF	68	(24 - 185)
13C-2,3,4,7,8-PeCDF	68	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	61	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	72	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	69	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	84	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	76	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	66	(26 - 152)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37C14-2,3,7,8-TCDD	85	(35 - 197)

NOTE(S):

J Estimated result. Result is less than the reporting limit.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8I080159
 MB Lot-Sample #: G8I090000-441

Work Order #...: KWJM91AA

Matrix.....: WATER

Prep Date.....: 09/09/08

Analysis Date...: 09/10/08

Prep Batch #...: 8253441

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		
		LIMIT	UNITS	METHOD
2,3,7,8-TCDD	ND	7.7	pg/L	EPA-5 1613B
Total TCDD	ND	7.7	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	8.5	pg/L	EPA-5 1613B
Total PeCDD	ND	8.5	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	6.8	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	6.3	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	6.2	pg/L	EPA-5 1613B
Total HxCDD	ND	6.8	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	6.7	pg/L	EPA-5 1613B
Total HpCDD	ND	6.7	pg/L	EPA-5 1613B
OCDD	ND	21	pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	6.0	pg/L	EPA-5 1613B
Total TCDF	ND	6.0	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	6.4	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	6.5	pg/L	EPA-5 1613B
Total PeCDF	ND	6.5	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	6.4	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	5.6	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	5.2	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	6.2	pg/L	EPA-5 1613B
Total HxCDF	ND	6.2	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	7.7	pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	9.6	pg/L	EPA-5 1613B
Total HpCDF	ND	9.6	pg/L	EPA-5 1613B
OCDF	ND	17	pg/L	EPA-5 1613B

(Continued on next page)

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8I080159

Work Order #...: KWJM91AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
	PERCENT	RECOVERY		
<u>INTERNAL STANDARDS</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
13C-2,3,7,8-TCDD	30	(25 - 164)		
13C-1,2,3,7,8-PeCDD	43	(25 - 181)		
13C-1,2,3,4,7,8-HxCDD	52	(32 - 141)		
13C-1,2,3,6,7,8-HxCDD	51	(28 - 130)		
13C-1,2,3,4,6,7,8-HpCDD	58	(23 - 140)		
13C-OCDD	61	(17 - 157)		
13C-2,3,7,8-TCDF	27	(24 - 169)		
13C-1,2,3,7,8-PeCDF	37	(24 - 185)		
13C-2,3,4,7,8-PeCDF	40	(21 - 178)		
13C-1,2,3,6,7,8-HxCDF	41	(26 - 123)		
13C-2,3,4,6,7,8-HxCDF	55	(28 - 136)		
13C-1,2,3,7,8,9-HxCDF	54	(29 - 147)		
13C-1,2,3,4,6,7,8-HpCDF	65	(28 - 143)		
13C-1,2,3,4,7,8,9-HpCDF	63	(26 - 138)		
13C-1,2,3,4,7,8-HxCDF	42	(26 - 152)		
	PERCENT	RECOVERY		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
37C14-2,3,7,8-TCDD	83	(35 - 197)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8I080159 Work Order #...: KWJM91AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: G8I090000-441 KWJM91AD-LCSD
 Prep Date.....: 09/09/08 Analysis Date..: 09/10/08
 Prep Batch #...: 8253441
 Dilution Factor: 1

PARAMETER	PERCENT	RECOVERY	RPD		METHOD
	RECOVERY	LIMITS	RPD	LIMITS	
2,3,7,8-TCDD	91	(67 - 158)			EPA-5 1613B
	92	(67 - 158)	1.5	(0-50)	EPA-5 1613B
1,2,3,7,8-PeCDD	96	(70 - 142)			EPA-5 1613B
	95	(70 - 142)	1.2	(0-50)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	97	(70 - 164)			EPA-5 1613B
	96	(70 - 164)	1.8	(0-50)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	96	(76 - 134)			EPA-5 1613B
	101	(76 - 134)	4.8	(0-50)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	103	(64 - 162)			EPA-5 1613B
	103	(64 - 162)	0.61	(0-50)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	104	(70 - 140)			EPA-5 1613B
	101	(70 - 140)	2.6	(0-50)	EPA-5 1613B
OCDD	106	(78 - 144)			EPA-5 1613B
	100	(78 - 144)	5.2	(0-50)	EPA-5 1613B
2,3,7,8-TCDF	89	(75 - 158)			EPA-5 1613B
	93	(75 - 158)	4.1	(0-50)	EPA-5 1613B
1,2,3,7,8-PeCDF	98	(80 - 134)			EPA-5 1613B
	98	(80 - 134)	0.38	(0-50)	EPA-5 1613B
2,3,4,7,8-PeCDF	94	(68 - 160)			EPA-5 1613B
	93	(68 - 160)	0.43	(0-50)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	91	(72 - 134)			EPA-5 1613B
	94	(72 - 134)	2.6	(0-50)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	97	(84 - 130)			EPA-5 1613B
	96	(84 - 130)	1.5	(0-50)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	98	(70 - 156)			EPA-5 1613B
	96	(70 - 156)	2.6	(0-50)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	97	(78 - 130)			EPA-5 1613B
	96	(78 - 130)	0.61	(0-50)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	98	(82 - 122)			EPA-5 1613B
	100	(82 - 122)	1.5	(0-50)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	98	(78 - 138)			EPA-5 1613B
	95	(78 - 138)	3.2	(0-50)	EPA-5 1613B
OCDF	105	(63 - 170)			EPA-5 1613B
	100	(63 - 170)	4.5	(0-50)	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8I080159 Work Order #...: KWJM91AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: G8I090000-441 KWJM91AD-LCSD
 Prep Date.....: 09/09/08 Analysis Date..: 09/10/08
 Prep Batch #...: 8253441
 Dilution Factor: 1

PARAMETER	SPIKE		MEASURED		PERCENT		METHOD
	AMOUNT	AMOUNT	UNITS	RECOVERY	RPD		
2,3,7,8-TCDD	200	181	pg/L	91			EPA-5 1613B
	200	184	pg/L	92	1.5		EPA-5 1613B
1,2,3,7,8-PeCDD	1000	962	pg/L	96			EPA-5 1613B
	1000	950	pg/L	95	1.2		EPA-5 1613B
1,2,3,4,7,8-HxCDD	1000	973	pg/L	97			EPA-5 1613B
	1000	955	pg/L	96	1.8		EPA-5 1613B
1,2,3,6,7,8-HxCDD	1000	963	pg/L	96			EPA-5 1613B
	1000	1010	pg/L	101	4.8		EPA-5 1613B
1,2,3,7,8,9-HxCDD	1000	1030	pg/L	103			EPA-5 1613B
	1000	1030	pg/L	103	0.61		EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	1000	1040	pg/L	104			EPA-5 1613B
	1000	1010	pg/L	101	2.6		EPA-5 1613B
OCDD	2000	2120	pg/L	106			EPA-5 1613B
	2000	2010	pg/L	100	5.2		EPA-5 1613B
2,3,7,8-TCDF	200	178	pg/L	89			EPA-5 1613B
	200	185	pg/L	93	4.1		EPA-5 1613B
1,2,3,7,8-PeCDF	1000	977	pg/L	98			EPA-5 1613B
	1000	981	pg/L	98	0.38		EPA-5 1613B
2,3,4,7,8-PeCDF	1000	935	pg/L	94			EPA-5 1613B
	1000	931	pg/L	93	0.43		EPA-5 1613B
1,2,3,4,7,8-HxCDF	1000	914	pg/L	91			EPA-5 1613B
	1000	939	pg/L	94	2.6		EPA-5 1613B
1,2,3,6,7,8-HxCDF	1000	970	pg/L	97			EPA-5 1613B
	1000	955	pg/L	96	1.5		EPA-5 1613B
2,3,4,6,7,8-HxCDF	1000	982	pg/L	98			EPA-5 1613B
	1000	956	pg/L	96	2.6		EPA-5 1613B
1,2,3,7,8,9-HxCDF	1000	968	pg/L	97			EPA-5 1613B
	1000	962	pg/L	96	0.61		EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	1000	984	pg/L	98			EPA-5 1613B
	1000	998	pg/L	100	1.5		EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	1000	982	pg/L	98			EPA-5 1613B
	1000	951	pg/L	95	3.2		EPA-5 1613B
OCDF	2000	2100	pg/L	105			EPA-5 1613B
	2000	2000	pg/L	100	4.5		EPA-5 1613B

(Continued on next page)



"Tom Rengert" <rengert@op-tech.us>

09/18/2008 10:30 AM

To <George_Kisluk@URSCorp.com>,
<Chuck_Dusel@URSCorp.com>, "Michael Mason"
<mamason@gw.dec.state.ny.us>,
cc "Jennifer Gordon" <gordonj@op-tech.us>

bcc

Subject FW: Effluent Results, A08-B963

Attached are the final results for Effluent 5-2. The results did not change from what I sent Tuesday. The water associated with this batch was discharged yesterday per our discussion in the meeting. We have begun processing the rest of the water in the system so as it will be filtered through the system twice and will be discharged once it has been filtered twice. Sampling will be performed on a weekly basis.

As directed by URS, any standing water in excavations that have been ruled clean by way of sampling, does not need to be filtered through the on-site treatment system. This water can be discharged directly to the drainage swale. This method will help expedite the backfilling process.

By Tuesday all water will be drained from the dewatering system except for the water pumped from the re-dig of AOCs A, B and F. The water system will have to remain on-site until these excavations have been deemed clean. Once all excavations have been deemed clean, OP-TECH will clean and remove the water system in order to reduce the additional cost associated with the dewatering system. OP-TECH will prepare a PCO for the additional dewatering system time utilizing the day rates established in PCO008 which is associated with the approved bid breakdown.

Thanks,

Thomas Rengert
Project Manager
OP-TECH Environmental Services, Inc.
6392 Deere Road
Syracuse, NY 13206
Phone: (315) 463-1643
Fax: (315) 463-9764
Cell: 315-727-0319

From: Lafond, Richard [mailto:Richard.Lafond@testamericainc.com]

Sent: Wednesday, September 17, 2008 3:43 PM

To: Tom Rengert

Subject: Effluent Results, A08-B963

Tom,

The PCP results did not change. Here is the final set of results.

Also, West Sacramento does not have NYS certification for 8270. I may need to try Connecticut.

Rich

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ANALYTICAL REPORT

Job#: A08-A963

Project#: NY5A9454
Site Name: DEC OP TECH
Task: Georgetown - Level IV

Mr. Thomas Rengert
OP-TECH ENVIRONMENTAL
6392 DEERE RD.
SYRACUSE, NY 13206

TestAmerica Laboratories Inc.

Richard J. Lafond
Project Manager

09/17/2008

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A96301	EFFLUENT BATCH#5-2	WATER	09/08/2008	11:30	09/09/2008	09:00

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHODS SUMMARY

Job#: A08-A963

Project#: NY5A9454
 Site Name: DEC OP TECH

PARAMETER	ANALYTICAL METHOD
8270 Low Semi-Volatiles	SW8463 8270LOW
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270
METHOD 8082 - POLYCHLORINATED BIPHENYLS - Aqueous	SW8463 8082
Aluminum - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Nickel - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6020
pH	A89/91 9040

References:

- A89/91 "Analytical Services Protocol", New York State Department of Conservation, September 1989, Revised 1991
- SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SDG NARRATIVE

Job#: A08-A963

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A963

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

For method 8270LOW, the surrogate recovery for 2-Fluorobiphenyl was above the laboratory quality control limits in sample EFFLUENT BATCH#5-2. Based on the laboratory SOP, one surrogate in either fraction (base/neutral or acid fraction) may have a recovery outside of the control limit.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Richard J. Lafond
Project Manager

Date

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab standard quantitation limit (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>Method</u>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<u>Organics</u>				
8082	Aroclor 1254	UG/L	0.090	0.50
8270	Benzoic acid	UG/L	100	150
6010	Aluminum - Total	UG/L	100	200

Sample ID: EFFLUENT BATCH#5-2

Date Received: 09/09/2008

Lab Sample ID: A8A96301

Project No: NY5A9454

Date Collected: 09/08/2008

Client No: 135066

Time Collected: 11:30

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
EFF WATER - SW8463 - SEMIVOLATILES - 8270								
2,6-Dinitrotoluene	ND		5	UG/L	8270	09/17/2008	06:09	AJ
Benzoic acid	ND		95	UG/L	8270	09/17/2008	06:09	AJ
Bis(2-ethylhexyl) phthalate	ND		5	UG/L	8270	09/17/2008	06:09	AJ
AQUEOUS - SW846 - 8270 LOW SEMI-VOLATILES - P								
Pentachlorophenol	ND		0.9	UG/L	8270LOW	09/12/2008	12:56	AJ
EFF WATER - SW8463 - AROCLOR 1254 - 8082								
Aroclor 1254	ND		0.085	UG/L	8082	09/12/2008	14:14	DW
Metals Analysis								
Aluminum - Total	168		100	UG/L	6010	09/11/2008	00:03	
Beryllium - Total	ND		3.0	UG/L	6010	09/11/2008	00:03	
Chromium - Total	ND		50.0	UG/L	6010	09/11/2008	00:03	
Iron - Total	ND		300	UG/L	6010	09/11/2008	00:03	
Lead - Total	ND		25.0	UG/L	6010	09/11/2008	00:03	
Magnesium - Total	ND		35000	UG/L	6010	09/11/2008	00:03	
Manganese - Total	ND		300	UG/L	6010	09/11/2008	00:03	
Nickel - Total	ND		100	UG/L	6010	09/11/2008	00:03	
Sodium - Total	ND		20000	UG/L	6010	09/11/2008	00:03	
Thallium - Total	ND		0.50	UG/L	6020	09/10/2008	19:30	
Wet Chemistry Analysis								
pH	8.02		0	S.U.	9040	09/10/2008	22:25	RLG



"Tom Rengert"
<rengert@op-tech.us>
09/16/2008 03:31 PM

To "Michael Mason" <mamason@gw.dec.state.ny.us>,
<Chuck_Dusel@URSCorp.com>,
<Stephen_Tripi@URSCorp.com>
cc <George_Kisluk@URSCorp.com>,
<craig_pawlewski@URSCorp.com>
bcc

Subject RE: Georgetown water discharge

Gentlemen,

Attached is the TEQ for effluent 5-2 (second filter of batch 5). Dioxins were not detected in this sample. All analytical attached is final except for the PCP. They anticipate final PCP results 9/19.

I was wondering, since the first sample of this batch (effluent #5) came back clean for PCP and this preliminary PCP result is clean, can we use this data along with this TEQ in order to expedite discharge or do we have to wait for the final PCP?

Also, this should be our third clean sample event (effluent1, effluent 4-2, effluent 5-2). Please let us know if we can discharge without batching. Everything would be filtered through the system twice before discharging to the surface.

Thanks,

Tom

-----Original Message-----

From: Michael Mason [mailto:mamason@gw.dec.state.ny.us]
Sent: Tuesday, September 16, 2008 2:09 PM
To: Tom Rengert; Chuck_Dusel@URSCorp.com; Stephen_Tripi@URSCorp.com
Subject: Georgetown water discharge

Please proceed with discharge of treated water batch 4-2.

Michael A. Mason
Remedial Bureau E, Section A
Div. Environmental Remediation
NYSDEC
625 Broadway, 12th Floor, Albany, NY 12233-7017
Phone - (518) 402-9814
Fax - (518) 402-9819
mamason@gw.dec.state.ny.us



Batch 5-2 TEQ.pdf



A08-A963_1.pdf

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: EFFLUENT BATCH #5-2

Lot-Sample #...: G8I090189 - 001
 Date Sampled...: 09/08/08
 Prep Date.....: 09/09/08
 Prep Batch #...: 8253441

Work Order #...: KWHFQ1AA
 Date Received...: 09/09/08
 Analysis Date...: 09/10/08
 Dilution Factor: 1

Matrix.....: WATER
 Instrument: 1D5
 Units.....: pg/L
 % Moisture:

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	3.4	1.000	0
Total TCDD	ND	3.4		0
1,2,3,7,8-PeCDD	ND	5.4	0.500	0
Total PeCDD	ND	5.4		0
1,2,3,4,7,8-HxCDD	ND	5.9	0.100	0
1,2,3,6,7,8-HxCDD	ND	5.0	0.100	0
1,2,3,7,8,9-HxCDD	ND	5.1	0.100	0
Total HxCDD	ND	5.9		0
1,2,3,4,6,7,8-HpCDD	ND	5.2	0.010	0
Total HpCDD	ND	5.2		0
OCDD	ND	33	0.001	0
2,3,7,8-TCDF	ND	2.3	0.100	0
Total TCDF	ND	2.3		0
1,2,3,7,8-PeCDF	ND	4.0	0.050	0
2,3,4,7,8-PeCDF	ND	4.7	0.500	0
Total PeCDF	ND	4.7		0
1,2,3,4,7,8-HxCDF	ND	5.4	0.100	0
1,2,3,6,7,8-HxCDF	ND	4.6	0.100	0
2,3,4,6,7,8-HxCDF	ND	3.7	0.100	0
1,2,3,7,8,9-HxCDF	ND	4.3	0.100	0
Total HxCDF	ND	5.4		0
1,2,3,4,6,7,8-HpCDF	ND	2.5	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	3.8	0.010	0
Total HpCDF	ND	3.8		0
OCDF	ND	6.4	0.001	0
Total TEQ Concentration				0

INTERNAL STANDARDS	PERCENT RECOVERY	RECOVERY LIMITS
13C-2,3,7,8-TCDD	61	25 - 164
13C-1,2,3,7,8-PeCDD	62	25 - 181
13C-1,2,3,4,7,8-HxCDD	64	32 - 141
13C-1,2,3,6,7,8-HxCDD	65	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	66	23 - 140
13C-OCDD	58	17 - 157
13C-2,3,7,8-TCDF	57	24 - 169
13C-1,2,3,7,8-PeCDF	60	24 - 185
13C-2,3,4,7,8-PeCDF	58	21 - 178
13C-1,2,3,6,7,8-HxCDF	59	26 - 123
13C-2,3,4,6,7,8-HxCDF	65	28 - 136
13C-1,2,3,7,8,9-HxCDF	64	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	73	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	66	26 - 138
13C-1,2,3,4,7,8-HxCDF	60	26 - 152

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: EFFLUENT BATCH #5-2

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	85	35 - 197

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8A96301	EFFLUENT BATCH#5-2	WATER	09/08/2008	11:30	09/09/2008	09:00

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METHODS SUMMARY

Job#: A08-A963

Project#: NY5A9454
 Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
8270 Low Semi-Volatiles	SW8463 8270LOW
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270
METHOD 8082 - POLYCHLORINATED BIPHENYLS - Aqueous	SW8463 8082
Aluminum - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Nickel - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6020
pH	A89/91 9040

References:

- A89/91 "Analytical Services Protocol", New York State Department of Conservation, September 1989, Revised 1991
- SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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SDG NARRATIVE

Job#: A08-A963

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-A963

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

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Richard J. Lafond
Project Manager

Date

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The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab standard quantitation limit (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>Method</u>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<u>Organics</u>				
8082	Aroclor 1254	UG/L	0.090	0.50
8270	Benzoic acid	UG/L	100	150
6010	Aluminum - Total	UG/L	100	200

Sample ID: EFFLUENT BATCH#5-2

Date Received: 09/09/2008

Lab Sample ID: A8A96301

Project No: NY5A9454

Date Collected: 09/08/2008

Client No: 135066

Time Collected: 11:30

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
EFF WATER - SW8463 - SEMIVOLATILES - 8270								
2,6-Dinitrotoluene	ND		5	UG/L	8270			
Benzoic acid	ND		95	UG/L	8270			
Bis(2-ethylhexyl) phthalate	ND		5	UG/L	8270			
AQUEOUS - SW846 - 8270 LOW SEMI-VOLATILES - P								
Pentachlorophenol	ND		0.9	UG/L	8270LOW	09/12/2008	12:56	AJ
EFF WATER - SW8463 - AROCLOR 1254 - 8082								
Aroclor 1254	ND		0.085	UG/L	8082	09/12/2008	14:14	DW
Metals Analysis								
Aluminum - Total	168		100	UG/L	6010	09/11/2008	00:03	
Beryllium - Total	ND		3.0	UG/L	6010	09/11/2008	00:03	
Chromium - Total	ND		50.0	UG/L	6010	09/11/2008	00:03	
Iron - Total	ND		300	UG/L	6010	09/11/2008	00:03	
Lead - Total	ND		25.0	UG/L	6010	09/11/2008	00:03	
Magnesium - Total	ND		35000	UG/L	6010	09/11/2008	00:03	
Manganese - Total	ND		300	UG/L	6010	09/11/2008	00:03	
Nickel - Total	ND		100	UG/L	6010	09/11/2008	00:03	
Sodium - Total	ND		20000	UG/L	6010	09/11/2008	00:03	
Thallium - Total	ND		0.50	UG/L	6020	09/10/2008	19:30	
Wet Chemistry Analysis								
pH	8.02		0	S.U.	9040	09/10/2008	22:25	RLG

PCP only data is not final. □

OP-TECH Environmental Services
 NYS DEC Camp Georgetown
 3248 Crumb Hill Road
 Georgetown, NY

Dewatering Log
 10/27/2008

Dewatering Log

Date	Pumped From	Meter Reading-Start	Meter Reading - End	Gallons	Sampled	Sample ID
16-Sep	All ready stored	99999200	00001700	2,500	N	N/A
17-Sep	All ready stored	00001700	00002600	900	N	N/A
18-Sep	All ready stored	00002600	00010800	8200	N	N/A
19-Sep	All ready stored	00010800	00027000	16,200	N	NA
22-Sep	All ready stored	00027000	00042000	15000	N	N/A
22-Sep	All ready stored	00041000	00054200	13,200	N	N/A
23-Sep	All ready stored	00055200	00071400	16,200	N	N/A
24-Sep	All ready stored	00071400	00077600	6200	Y	Effluent/Influent #6
2-Oct	AOC A Gas House	00077600	00085800	8,200	Y	Effluent/Influent #7
13-Oct	AOC A, G.H., AOC F	00085800	00087400	1,600	N	N/A
16-Oct	AOC A, AOC B, G.H.	00087400	00099900	12,500	N	N/A
Total Treated/Discharged				100,700		



Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0526, (800) 842-4667

Certified in:
• Connecticut
• Massachusetts
• New Jersey
• New York
• Pennsylvania

Laboratory Analysis Report

NYS DEC - ALBANY
625 Broadway
12th FL.
Albany, NY 12233
ATTN: Mr. Mike Mason

PROJECT #: 230328
RECEIVED: 09/16/2008 @ 11:03

Site Address:
CAMP GEORGETOWN
CRUMM HILL ROAD
GEORGETOWN, NY

SPILL#: -
CLIENT JOB NUMBER: 727010/117315

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 487085	CLIENT SAMPLE ID:	GEORGETOWN/WATER SUPPLY WELL		DATE/TIME SAMPLED: 09/15/08 @ 13:55	
Volatile - 8260 w/TBA					
1,1,1,2-tetrachloroethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,1,1-trichloroethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,1,2,2-tetrachloroethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,1,2-trichloroethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,1-dichloroethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,1-dichloroethene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,1-dichloropropene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,2,3-trichlorobenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,2,3-trichloropropane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,2,4-trichlorobenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,2,4-trimethylbenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,2-dibromo-3-chloropropane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,2-dibromoethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,2-dichlorobenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,2-dichloroethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,2-dichloropropane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,3,5-trimethylbenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,3-dichlorobenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,3-dichloropropane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
1,4-dichlorobenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
2,2-dichloropropane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
2-butanone	<5.00	UG/L	09/22/08	EPA 8260B	DBA
2-chlorotoluene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
2-hexanone	<5.00	UG/L	09/22/08	EPA 8260B	DBA
4-chlorotoluene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
4-isopropyltoluene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
4-methyl-2-pentanone	<5.00	UG/L	09/22/08	EPA 8260B	DBA
acetone	<5.00	UG/L	09/22/08	EPA 8260B	DBA
acrylonitrile	<1.00	UG/L	09/22/08	EPA 8260B	DBA
benzene	<0.700	UG/L	09/22/08	EPA 8260B	DBA
bromobenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA

NYS DEC - ALBANY
 625 Broadway
 12th FL.
 Albany, NY 12233
 ATTN: Mr. Mike Mason

PROJECT #: 230328
 RECEIVED: 09/16/2008 @ 11:03

Site Address:
 CAMP GEORGETOWN
 CRUMM HILL ROAD
 GEORGETOWN, NY

SPILL#: -

CLIENT JOB NUMBER: 727010/117315

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 487085	CLIENT SAMPLE ID:	GEORGETOWN/WATER SUPPLY WELL		DATE/TIME SAMPLED: 09/15/08 @ 13:55	
Volatile - 8260 w/TBA					
bromochloromethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
bromodichloromethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
bromoform	<1.00	UG/L	09/22/08	EPA 8260B	DBA
bromomethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
carbon disulfide	<1.00	UG/L	09/22/08	EPA 8260B	DBA
carbon tetrachloride	<1.00	UG/L	09/22/08	EPA 8260B	DBA
chlorobenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
chloroethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
chloroform	<1.00	UG/L	09/22/08	EPA 8260B	DBA
chloromethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
cis-1,2-dichloroethene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
cis-1,3-dichloropropene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
dibromochloromethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
dibromomethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
dichlorodifluoromethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
ethylbenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
hexachlorobutadiene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
iodomethane	<5.00	UG/L	09/22/08	EPA 8260B	DBA
isopropylbenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
methylene chloride	<1.00	UG/L	09/22/08	EPA 8260B	DBA
mtbe	<1.00	UG/L	09/22/08	EPA 8260B	DBA
naphthalene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
n-butylbenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
n-propylbenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
sec-butylbenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
styrene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
t-butyl alcohol	<1.00	UG/L	09/22/08	EPA 8260B	DBA
tert-butylbenzene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
tetrachloroethene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
toluene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
trans-1,2-dichloroethene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
trans-1,3-dichloropropene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
trans-1,4-dichloro-2-butene	<5.00	UG/L	09/22/08	EPA 8260B	DBA
trichloroethene	<1.00	UG/L	09/22/08	EPA 8260B	DBA
trichlorofluoromethane	<1.00	UG/L	09/22/08	EPA 8260B	DBA
vinyl acetate	<1.00	UG/L	09/22/08	EPA 8260B	DBA
vinyl chloride	<1.00	UG/L	09/22/08	EPA 8260B	DBA
xylene, m+p	<1.00	UG/L	09/22/08	EPA 8260B	DBA
xylene, o	<1.00	UG/L	09/22/08	EPA 8260B	DBA

Surrogate (toluene-d8): 93 % recovery, (bromofluorobenzene): 90 % recovery, (1,2-dichlorobenzene-d4): 103 % recovery,
 Surrogate recovery acceptance limits are 85-115%



NYS DEC - ALBANY
 625 Broadway
 12th FL.
 Albany, NY 12233
 ATTN: Mr. Mike Mason

PROJECT #: 230328
 RECEIVED: 09/16/2008 @ 11:03

Site Address:
 CAMP GEORGETOWN
 CRUMM HILL ROAD
 GEORGETOWN, NY

SPILL#: -
 CLIENT JOB NUMBER: 727010/117315

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 487086	CLIENT SAMPLE ID:	GEORGETOWN/WATER SUPPLY WELL		DATE/TIME SAMPLED: 09/15/08 @ 13:55	
Semi-Volatile - 8270 A/B/N					
1,2,4-trichlorobenzene	<5.26	UG/L	09/22/08	EPA 8270C	ASI
1,2-dichlorobenzene	<5.26	UG/L	09/22/08	EPA 8270C	ASI
1,2-diphenylhydrazine	<5.26	UG/L	09/22/08	EPA 8270C	ASI
<i>1,2-Diphenylhydrazine breaks down in the injection port. It is analyzed and reported as Azobenzene.</i>					
1,3-dichlorobenzene	<5.26	UG/L	09/22/08	EPA 8270C	ASI
1,4-dichlorobenzene	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2,4,5-trichlorophenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2,4,6-trichlorophenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2,4-dichlorophenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2,4-dimethylphenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2,4-dinitrophenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2,4-dinitrotoluene	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2,6-dinitrotoluene	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2-chloronaphthalene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
2-chlorophenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2-methyl-4,6-dinitrophenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2-methylnaphthalene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
2-methylphenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2-nitroaniline	<5.26	UG/L	09/22/08	EPA 8270C	ASI
2-nitrophenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
3,3-dichlorobenzidine	<21.1	UG/L	09/22/08	EPA 8270C	ASI
3+4-methylphenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
3-nitroaniline	<5.26	UG/L	09/22/08	EPA 8270C	ASI
4-bromophenyl phenyl ether	<5.26	UG/L	09/22/08	EPA 8270C	ASI
4-chloro-3-methylphenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
4-chloroaniline	<5.26	UG/L	09/22/08	EPA 8270C	ASI
4-chlorophenyl phenyl ether	<5.26	UG/L	09/22/08	EPA 8270C	ASI
4-nitroaniline	<5.26	UG/L	09/22/08	EPA 8270C	ASI
4-nitrophenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
acenaphthene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
acenaphthylene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
aniline	<5.26	UG/L	09/22/08	EPA 8270C	ASI
anthracene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
benzidine	<21.1	UG/L	09/22/08	EPA 8270C	ASI
benzo(a)anthracene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
benzo(a)pyrene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
benzo(b)fluoranthene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
benzo(g,h,i)perylene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
benzo(k)fluoranthene	<1.05	UG/L	09/22/08	EPA 8270C	ASI



NYS DEC - ALBANY
 625 Broadway
 12th FL.
 Albany, NY 12233
 ATTN: Mr. Mike Mason

PROJECT #: 230328
 RECEIVED: 09/16/2008 @ 11:03

Site Address:
 CAMP GEORGETOWN
 CRUMM HILL ROAD
 GEORGETOWN, NY

SPILL#: -
 CLIENT JOB NUMBER: 727010/117315

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 487086	CLIENT SAMPLE ID:	GEORGETOWN/WATER SUPPLY WELL		DATE/TIME SAMPLED: 09/15/08 @ 13:55	
Semi-Volatile - 8270 A/B/N					
benzoic acid	<5.26	UG/L	09/22/08	EPA 8270C	ASI
benzyl alcohol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
bis(2-chloroethoxy)methane	<5.26	UG/L	09/22/08	EPA 8270C	ASI
bis(2-chloroethyl) ether	<5.26	UG/L	09/22/08	EPA 8270C	ASI
bis(2-chloroisopropyl) ether	<5.26	UG/L	09/22/08	EPA 8270C	ASI
bis(2-ethylhexyl) phthalate	<5.26	UG/L	09/22/08	EPA 8270C	ASI
butyl benzyl phthalate	<5.26	UG/L	09/22/08	EPA 8270C	ASI
chrysene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
dibenz(a,h)anthracene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
dibenzofuran	<5.26	UG/L	09/22/08	EPA 8270C	ASI
diethyl phthalate	<5.26	UG/L	09/22/08	EPA 8270C	ASI
dimethyl phthalate	<5.26	UG/L	09/22/08	EPA 8270C	ASI
di-n-butyl phthalate	<5.26	UG/L	09/22/08	EPA 8270C	ASI
di-n-octyl phthalate	<5.26	UG/L	09/22/08	EPA 8270C	ASI
fluoranthene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
fluorene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
hexachlorobenzene	<5.26	UG/L	09/22/08	EPA 8270C	ASI
hexachlorobutadiene	<5.26	UG/L	09/22/08	EPA 8270C	ASI
hexachlorocyclopentadiene	<5.26	UG/L	09/22/08	EPA 8270C	ASI
hexachloroethane	<5.26	UG/L	09/22/08	EPA 8270C	ASI
indeno(1,2,3-cd)pyrene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
isophorone	<5.26	UG/L	09/22/08	EPA 8270C	ASI
naphthalene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
nitrobenzene	<5.26	UG/L	09/22/08	EPA 8270C	ASI
n-nitrosodimethylamine	<5.26	UG/L	09/22/08	EPA 8270C	ASI
n-nitrosodiphenylamine	<5.26	UG/L	09/22/08	EPA 8270C	ASI
n-nitrosodipropylamine	<5.26	UG/L	09/22/08	EPA 8270C	ASI
pentachlorophenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
phenanthrene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
phenol	<5.26	UG/L	09/22/08	EPA 8270C	ASI
pyrene	<1.05	UG/L	09/22/08	EPA 8270C	ASI
pyridine	<5.26	UG/L	09/22/08	EPA 8270C	ASI
<i>Surrogate (2-fluorophenol): 42% recovery, (phenol-d6): 26% recovery, (nitrobenzene-d5): 62% recovery, (2-fluorobiphenyl): 70% recovery, (2,4,6-tribromophenol): 70% recovery, (terphenyl-d14): 119% recovery, Surrogate recovery acceptance limits are 50-130%. Continuing Calibration Standard recoveries for Hexachlorocyclopentadiene, 2-methyl-4,6-dinitrophenol and pentachlorophenol were below the established acceptance limits. Results for these analytes may be biased low.</i>					
Aqueous Separatory Funnel Extraction			09/22/08	EPA 3510C	JZY

SAMPLE #: 487087 **CLIENT SAMPLE ID:** GEORGETOWN/WATER SUPPLY WELL **DATE/TIME SAMPLED: 09/15/08 @ 13:55**
 ICP/MS



NYS DEC - ALBANY
 625 Broadway
 12th FL.
 Albany, NY 12233
 ATTN: Mr. Mike Mason

PROJECT #: 230328
 RECEIVED: 09/16/2008 @ 11:03

Site Address:
 CAMP GEORGETOWN
 CRUMM HILL ROAD
 GEORGETOWN, NY

SPILL#: -
 CLIENT JOB NUMBER: 727010/117315

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 487087	CLIENT SAMPLE ID:	GEORGETOWN/WATER SUPPLY WELL		DATE/TIME SAMPLED: 09/15/08 @ 13:55	
ICP/MS					
antimony	<5.0	UG/L	09/22/08	EPA 6020	ABO
arsenic	<5.0	UG/L	09/22/08	EPA 6020	ABO
barium	180	UG/L	09/22/08	EPA 6020	ABO
beryllium	<5.0	UG/L	09/22/08	EPA 6020	ABO
cadmium	<5.0	UG/L	09/22/08	EPA 6020	ABO
chromium	<10	UG/L	09/22/08	EPA 6020	ABO
copper	<10	UG/L	09/22/08	EPA 6020	ABO
lead	5.6	UG/L	09/22/08	EPA 6020	ABO
selenium	<5.0	UG/L	09/22/08	EPA 6020	ABO
thallium	<5.0	UG/L	09/22/08	EPA 6020	ABO
Metals Digestion			09/18/08	EPA 3005A	BDR
MERCURY					
Mercury Prep 7470A	<0.2	UG/L	09/23/08	EPA 7470A	ABO
			09/22/08	EPA 7470A	BDR
SAMPLE #: 487089	CLIENT SAMPLE ID:	GEORGETOWN/WATER SUPPLY WELL		DATE/TIME SAMPLED: 09/15/08 @ 13:55	
Semi-Volatile - PCB'S					
aroclor 1016	<0.20	UG/L	09/25/08	EPA 8082	KAL
aroclor 1221	<0.20	UG/L	09/25/08	EPA 8082	KAL
aroclor 1232	<0.20	UG/L	09/25/08	EPA 8082	KAL
aroclor 1242	<0.20	UG/L	09/25/08	EPA 8082	KAL
aroclor 1248	<0.20	UG/L	09/25/08	EPA 8082	KAL
aroclor 1254	<0.20	UG/L	09/25/08	EPA 8082	KAL
aroclor 1260	<0.20	UG/L	09/25/08	EPA 8082	KAL
<i>Surrogate (2,4,5,6-tetrachloro-m-xylene): 102% recovery, (decachlorobiphenyl): 100% recovery, Surrogate recovery acceptance limits are 75-125%.</i>					
Aqueous Separatory Funnel Extraction			09/24/08	EPA 3510C	JZY
Semi-Volatile - PESTICIDES					
4,4'-ddd	<0.05	UG/L	09/25/08	EPA 8081A	KAL
4,4'-dde	<0.05	UG/L	09/25/08	EPA 8081A	KAL
4,4'-ddt	<0.05	UG/L	09/25/08	EPA 8081A	KAL
aldrin	<0.05	UG/L	09/25/08	EPA 8081A	KAL
alpha-bhc	<0.05	UG/L	09/25/08	EPA 8081A	KAL
beta-bhc	<0.05	UG/L	09/25/08	EPA 8081A	KAL
chlordane - technical	<0.50	UG/L	09/25/08	EPA 8081A	KAL
delta-bhc	<0.05	UG/L	09/25/08	EPA 8081A	KAL
dieldrin	<0.05	UG/L	09/25/08	EPA 8081A	KAL
endosulfan I	<0.05	UG/L	09/25/08	EPA 8081A	KAL
endosulfan II	<0.05	UG/L	09/25/08	EPA 8081A	KAL
endosulfan sulfate	<0.05	UG/L	09/25/08	EPA 8081A	KAL
endrin	<0.05	UG/L	09/25/08	EPA 8081A	KAL



NYS DEC - ALBANY
 625 Broadway
 12th FL.
 Albany, NY 12233
 ATTN: Mr. Mike Mason

PROJECT #: 230328
 RECEIVED: 09/16/2008 @ 11:03

Site Address:
 CAMP GEORGETOWN
 CRUMM HILL ROAD
 GEORGETOWN, NY

SPILL#: -
 CLIENT JOB NUMBER: 727010/117315

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 487089	CLIENT SAMPLE ID:	GEORGETOWN/WATER SUPPLY WELL		DATE/TIME SAMPLED: 09/15/08 @ 13:55	
Semi-Volatile - PESTICIDES					
endrin aldehyde	<0.05	UG/L	09/25/08	EPA 8081A	KAL
gamma-bhc (lindane)	<0.05	UG/L	09/25/08	EPA 8081A	KAL
heptachlor	<0.05	UG/L	09/25/08	EPA 8081A	KAL
heptachlor epoxide	<0.05	UG/L	09/25/08	EPA 8081A	KAL
methoxychlor	<0.05	UG/L	09/25/08	EPA 8081A	KAL
toxaphene	<0.50	UG/L	09/25/08	EPA 8081A	KAL
<i>Surrogate (2,4,5,6-tetrachloro-m-xylene): 112% recovery, (decachlorobiphenyl): 100% recovery, Surrogate recovery acceptance limits are 75-125%.</i>					
Aqueous Separatory Funnel Extraction			09/24/08	EPA 3510C	JZY

*Sample Receipt Temperature: 18 Degrees C
 Samples received above acceptable temperature requirements of 0-6 degrees C.*


 David R. Hill
 Laboratory Director

09/25/2008
 Print Date

All tests performed under NYS ELAP Laboratory Certification # 11375 unless otherwise stated.
 Report relates only to the samples as received by the laboratory and shall not be reproduced
 except in full, without written approval from Environmental Laboratory Services.



Environmental Laboratory Services

7280 Caswell Street, Hancock Air Park North Syracuse, NY 13212
 (866) LAB-TIME FAX (315) 458-0526 (315) 458-8033

230328

CHAIN OF CUSTODY RECORD and Authorization for Analysis

Billing Information										Additional Billing Information								
Company: NYS-DEC Albany					Contact: Mr. David Chiusano					Job No. <u>CAMP GEORGETOWN</u>								
Address: 625 Broadway 12th Floor					City, State, Zip: Albany, NY 12233					PO No.								
Phone: (518)402-9814 Fax:					Email: djchiusa@gw.dec.state.ny.us					Site Address: <u>CAMP GEORGETOWN CRUMM HILL ROAD GEORGETOWN, NY.</u>								
Turn Around Time ¹		Matrix Codes					Container Type/Preservative							Remarks/Special Instructions				
<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Work Day <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> 4 Work Days <input checked="" type="checkbox"/> 5 Work Days <input type="checkbox"/> 10 Work Days <input type="checkbox"/> Other: _____ <input type="checkbox"/> Time Required: _____		AR — Air SW — Surface Water DW — Drinking Water SB — Swab FT — Filter TP — Tape GW — Ground Water WW — Waste Water OL — Oil WP — Wipe PC — Paint Chips PR — Product SL — Sludge SD — Solid / Soil					Number of Containers Plastic / No Preservatives Plastic / HNO ₃ Plastic / H ₂ SO ₄ Plastic / NaOH + Asc. Acid Plastic / Zinc Acetate + NaOH Plastic/Glass / Na ₂ S ₂ O ₃ Glass / No Preservatives Glass / H ₂ SO ₄ VOA / HCl Other:							Sample State of Origin <input type="checkbox"/> CT <input type="checkbox"/> NJ <input type="checkbox"/> MA <input type="checkbox"/> MD <input checked="" type="checkbox"/> NY <input type="checkbox"/> PA <input type="checkbox"/> Other: _____				
ELS Use Only	Date	Time	Cmp	Grb	Mtx	Sampling Location/Sample ID	Number of Containers	Plastic / No Preservatives	Plastic / HNO ₃	Plastic / H ₂ SO ₄	Plastic / NaOH + Asc. Acid	Plastic / Zinc Acetate + NaOH	Plastic/Glass / Na ₂ S ₂ O ₃	Glass / No Preservatives	Glass / H ₂ SO ₄	VOA / HCl	Other	Remarks/Special Instructions
487085 AB	9/15/08	1:55		X		GEORGETOWN/WATER SUPPLY WELL	2									2		VOC-8260
487086	"	"		X		GEORGETOWN/WATER SUPPLY WELL	1							1L				SVOC-8270
487087	"	"		X		GEORGETOWN/WATER SUPPLY WELL	1		.5L									METALS
487088 AB	"	"		X		GEORGETOWN/WATER SUPPLY WELL	2							2				DIOXINS/FURANS <u>230328</u>
487089 AB	"	"		X		GEORGETOWN/WATER SUPPLY WELL	2							2				PEST-8081/PCB-8082
Relinquished By:			Date	Time	Received By:			Date	Time	Received By:			Date	Time				
Relinquished By: <u>Don Mahere</u>			Date	Time	Received By: <u>Lee Lee</u>			Date	Time									
Relinquished By: <u>Steve McCarthy</u>			Date	Time	Received at Lab By: <u>Lee Lee</u>			Date	Time									
Sampler Signature: <u>Steve McCarthy</u>			Date	Time	Sample Receipt Temperature			18 °C		Samples Received in Good Condition: Yes No								

¹Standard turn around time is end of day, 10 work days after lab receipt. Surcharges may apply for express service.



Environmental
LABORATORY SERVICES

7280 Caswell Street, Hancock Air Park, North Syracuse, NY 13212
(315) 458-8033, FAX (315) 458-0526, (800) 842-4667

- Certified in:
- Connecticut
 - Massachusetts
 - New Jersey
 - New York
 - Pennsylvania

Laboratory Analysis Report

NYS DEC - ALBANY
625 Broadway
12th FL.
Albany, NY 12233
ATTN: Mr. David Chiusano

PROJECT #: 230329
RECEIVED: 09/16/2008 @ 11:03

Site Address:
CAMP GEORGETOWN
CRUMM HILL ROAD
GEORGETOWN, NY

CLIENT JOB NUMBER: 727010/117315

TEST PERFORMED	RESULTS	UNITS	DATE/TIME PERFORMED	METHOD NUMBER	PERFORMED BY
SAMPLE #: 487088 CLIENT SAMPLE ID:	GEORGETOWN/WATER SUPPLY WELL		DATE/TIME SAMPLED: 09/15/08 @ 13:55		
Semi-Volatile - DIOXIN SCAN <i>See Attached Report</i>	-		09/24/08	8290	ELAP#11647

Sample Receipt Temperature: 18 Degrees C
Samples received above acceptable temperature requirements of 0-6 degrees C.


David R. Hill
Laboratory Director

10/01/2008
Print Date

All tests performed under NYS ELAP Laboratory Certification # 11375 unless otherwise stated.
Report relates only to the samples as received by the laboratory and shall not be reproduced
except in full, without written approval from Environmental Laboratory Services.

Environmental Laboratory Services

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230328

CHAIN OF CUSTODY RECORD and Authorization for Analysis

Billing Information										Additional Billing Information																																								
Company NYS-DEC Albany					Contact Mr. David Chiusano					Job No. <u>CAMP GEORGETOWN</u>																																								
Address 625 Broadway 12th Floor					City, State, Zip Albany, NY 12233					PO No.																																								
Phone (518)402-9814 Fax					Email djchiusa@gw.dec.state.ny.us					Site Address <u>CAMP GEORGETOWN CRUMM HILL ROAD GEORGETOWN, NY.</u>																																								
Turn Around Time ¹		Matrix Codes					Number of Containers	Container Type/Preservative							Remarks/Special Instructions																																			
<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Work Day <input type="checkbox"/> 2 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> 4 Work Days <input checked="" type="checkbox"/> 5 Work Days <input type="checkbox"/> 10 Work Days <input type="checkbox"/> Other: _____ <input type="checkbox"/> Time Required: _____		AR — Air	DW — Drinking Water	FT — Filter	GW — Ground Water	OL — Oil		PC — Paint Chips	PR — Product	SL — Sludge	SD — Solid / Soil	SW — Surface Water	SB — Swab	TP — Tape		WW — Waste Water	WP — Wipe	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="7">Sample State of Origin</th> </tr> <tr> <td><input type="checkbox"/> CT</td> <td><input type="checkbox"/> NJ</td> <td><input type="checkbox"/> MA</td> <td colspan="4"></td> </tr> <tr> <td><input type="checkbox"/> MD</td> <td><input checked="" type="checkbox"/> NY</td> <td><input type="checkbox"/> PA</td> <td colspan="4"></td> </tr> <tr> <td colspan="7"><input type="checkbox"/> Other: _____</td> </tr> </thead> </table>							Sample State of Origin							<input type="checkbox"/> CT	<input type="checkbox"/> NJ	<input type="checkbox"/> MA					<input type="checkbox"/> MD	<input checked="" type="checkbox"/> NY	<input type="checkbox"/> PA					<input type="checkbox"/> Other: _____				
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ELS Use Only	Date	Time	Cmp	Grb	Mtx	Sampling Location/Sample ID	Plastic / No Preservatives	Plastic / HNO ₃	Plastic / H ₂ SO ₄	Plastic / NaOH + Asc. Acid	Plastic / Zinc Acetate + NaOH	Plastic/Glass / Na ₂ S ₂ O ₃	Glass / No Preservatives	Glass / H ₂ SO ₄	VOA / HCl	Other:																																		
487085 <u>AB</u>	9/15/08	1:55		X		GEORGETOWN/WATER SUPPLY WELL	2								2		VOC-8260																																	
487086	"	"		X		GEORGETOWN/WATER SUPPLY WELL	1						1L				SVOC-8270																																	
487087	"	"		X		GEORGETOWN/WATER SUPPLY WELL	1	.5L									METALS																																	
487088 <u>AB</u>	"	"		X		GEORGETOWN/WATER SUPPLY WELL	2						2				DIOXINS/FURANS																																	
487089 <u>AB</u>	"	"		X		GEORGETOWN/WATER SUPPLY WELL	2						2				PEST-8081/PCB-8082																																	
Relinquished By:			Date	Time	Received By:			Date	Time																																									
Relinquished By: <u>[Signature]</u>			Date	Time	Received By: <u>[Signature]</u>			Date	Time																																									
Relinquished By: <u>[Signature]</u>			Date	Time	Received at Lab By: <u>[Signature]</u>			Date	Time																																									
Relinquished By: <u>[Signature]</u>			Date	Time	Sample Receipt Temperature			°C	Samples Received in Good Condition: Yes No																																									

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OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: INFLUENT #5

Lot-Sample #...: G8H270180 - 001
 Date Sampled...: 08/26/08
 Prep Date.....: 08/27/08
 Prep Batch #...: 8241249

Work Order #...: KVV1K1AA
 Date Received..: 08/27/08
 Analysis Date..: 08/29/08
 Dilution Factor: 1

Matrix....: WATER
 Instrument: 9D5
 Units.....: pg/L
 % Moisture:

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	1.6	1.000	0
Total TCDD	ND	1.8		0
1,2,3,7,8-PeCDD	ND	8.7	0.500	0
Total PeCDD	ND	8.7		0
1,2,3,4,7,8-HxCDD	ND	17	0.100	0
1,2,3,6,7,8-HxCDD	58		0.100	5.8000
1,2,3,7,8,9-HxCDD	ND	30	0.100	0
Total HxCDD	180			
1,2,3,4,6,7,8-HpCDD	1600		0.010	16.0000
Total HpCDD	2500			
OCDD	14000		0.001	14.0000
2,3,7,8-TCDF	ND	2.8	0.100	0
Total TCDF	39			
1,2,3,7,8-PeCDF	ND	1.4	0.050	0
2,3,4,7,8-PeCDF	ND	1.3	0.500	0
Total PeCDF	ND	20		0
1,2,3,4,7,8-HxCDF	ND	10	0.100	0
1,2,3,6,7,8-HxCDF	ND	7.7	0.100	0
2,3,4,6,7,8-HxCDF	ND	5.5	0.100	0
1,2,3,7,8,9-HxCDF	ND	3.7	0.100	0
Total HxCDF	280			
1,2,3,4,6,7,8-HpCDF	390		0.010	3.9000
1,2,3,4,7,8,9-HpCDF	ND	24	0.010	0
Total HpCDF	1600			
OCDF	2400		0.001	2.4000
Total TEQ Concentration				42.1000

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	39	25 - 164
13C-1,2,3,7,8-PeCDD	42	25 - 181
13C-1,2,3,4,7,8-HxCDD	43	32 - 141
13C-1,2,3,6,7,8-HxCDD	42	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	51	23 - 140
13C-OCDD	56	17 - 157
13C-2,3,7,8-TCDF	46	24 - 169
13C-1,2,3,7,8-PeCDF	46	24 - 185
13C-2,3,4,7,8-PeCDF	46	21 - 178
13C-1,2,3,6,7,8-HxCDF	38	26 - 123
13C-2,3,4,6,7,8-HxCDF	39	28 - 136
13C-1,2,3,7,8,9-HxCDF	45	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	45	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	45	26 - 138
13C-1,2,3,4,7,8-HxCDF	41	26 - 152

OP-TECH Environmental
Dioxins/Furans, HRGC/HRMS (1613B)

Client Sample ID: INFLUENT #5

SURROGATE

PERCENT
RECOVERY

RECOVERY
LIMITS

37Cl4-2,3,7,8-TCDD

87

35 - 197

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016

SDG NARRATIVE

Job#: A08-B821

Project#: NY5A9454
Site Name: DEC OP TECH

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-B821

Sample Cooler(s) were received at the following temperature(s); 3@2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

Linear regression was used to calibrate all analytes and surrogates that were greater than 15% RSD in the initial calibration standard curve A8I0000720-1.

Linear regression was used to calibrate all analytes and surrogates, with the exception of Pentachlorophenol and p-Terphenyl-D14, that were greater than 15% RSD in the initial calibration standard curve A8I0000733-1. A quadratic equation was used to calibrate the analyte Pentachlorophenol and the surrogate p-Terphenyl-D14 that was greater than 15% RSD in the initial calibration standard curve A8I0000733-1.

The analyte Benzoic Acid exhibited percent difference greater than 40% in the continuing calibration A8C0002484. Since the results were biased high and there were no detections in the samples, no corrective action was required.

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this Sample Data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature."

Richard J. Lafond
Project Manager

Date

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8B82102	EFFLUENT#6	WATER	09/25/2008	00:00	09/26/2008	09:00
A8B82101	INFLUENT#6	WATER	09/25/2008	00:00	09/26/2008	09:00

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METHODS SUMMARY

Job#: A08-B821

Project#: NY5A9454
 Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
8270 Low Semi-Volatiles	SW8463 8270LOW
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270
METHOD 8082 - POLYCHLORINATED BIPHENYLS - Aqueous	SW8463 8082
Aluminum - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Nickel - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6020
pH	A89/91 9040

References:

- A89/91 "Analytical Services Protocol", New York State Department of Conservation, September 1989, Revised 1991
- SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

The results presented in this report relate only to the analytical testing and conditions of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to lab MDL. It must be noted that results reported below lab standard quantitation limit (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>Method</u>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<u>Organics</u>				
8082	Aroclor 1254	UG/L	0.090	0.50
8270	Benzoic acid	UG/L	100	150
6010	Aluminum - Total	UG/L	100	200

Sample ID: EFFLUENT#6

Date Received: 09/26/2008

Lab Sample ID: A8B82102

Project No: NY5A9454

Date Collected: 09/25/2008

Client No: 135066

Time Collected: 00:00

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
EFF WATER - SW8463 - SEMIVOLATILES - 8270								
2,6-Dinitrotoluene	ND		5	UG/L	8270	10/01/2008	16:04	AJ
Benzoic acid	ND		96	UG/L	8270	10/01/2008	16:04	AJ
Bis(2-ethylhexyl) phthalate	ND		5	UG/L	8270	10/01/2008	16:04	AJ
AQUEOUS - SW846 - 8270 LOW SEMI-VOLATILES - P								
Pentachlorophenol	ND		1	UG/L	8270LOW	10/03/2008	15:07	AJ
EFF WATER - SW8463 - AROCLOR 1254 - 8082								
Aroclor 1254	ND		0.089	UG/L	8082	10/02/2008	18:07	GFD
Metals Analysis								
Aluminum - Total	ND		100	UG/L	6010	09/30/2008	20:53	
Beryllium - Total	ND		3.0	UG/L	6010	09/30/2008	20:53	
Chromium - Total	ND		50.0	UG/L	6010	09/30/2008	20:53	
Iron - Total	1720		300	UG/L	6010	09/30/2008	20:53	
Lead - Total	ND		25.0	UG/L	6010	09/30/2008	20:53	
Magnesium - Total	ND		35000	UG/L	6010	09/30/2008	20:53	
Manganese - Total	941		300	UG/L	6010	09/30/2008	20:53	
Nickel - Total	ND		100	UG/L	6010	09/30/2008	20:53	
Sodium - Total	ND		20000	UG/L	6010	09/30/2008	20:53	
Thallium - Total	ND		0.50	UG/L	6020	09/30/2008	17:44	
Wet Chemistry Analysis								
pH	7.26		0	S.U.	9040	09/26/2008	10:56	RJP

Sample ID: INFLUENT#6

Date Received: 09/26/2008

Lab Sample ID: A8B82101

Project No: NY5A9454

Date Collected: 09/25/2008

Client No: 135066

Time Collected: 00:00

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
EFF WATER - SW8463 - SEMIVOLATILES - 8270								
2,6-Dinitrotoluene	ND		5	UG/L	8270	10/01/2008	15:40	AJ
Benzoic acid	ND		100	UG/L	8270	10/01/2008	15:40	AJ
Bis(2-ethylhexyl) phthalate	ND		5	UG/L	8270	10/01/2008	15:40	AJ
AQUEOUS - SW846 - 8270 LOW SEMI-VOLATILES - P								
Pentachlorophenol	ND		1	UG/L	8270LOW	10/03/2008	14:42	AJ
EFF WATER - SW8463 - AROCLOR 1254 - 8082								
Aroclor 1254	ND		0.089	UG/L	8082	10/02/2008	17:32	GFD
Metals Analysis								
Aluminum - Total	13200		100	UG/L	6010	09/30/2008	20:47	
Beryllium - Total	ND		3.0	UG/L	6010	09/30/2008	20:47	
Chromium - Total	ND		50.0	UG/L	6010	09/30/2008	20:47	
Iron - Total	18500		300	UG/L	6010	09/30/2008	20:47	
Lead - Total	ND		25.0	UG/L	6010	09/30/2008	20:47	
Magnesium - Total	ND		35000	UG/L	6010	09/30/2008	20:47	
Manganese - Total	515		300	UG/L	6010	09/30/2008	20:47	
Nickel - Total	ND		100	UG/L	6010	09/30/2008	20:47	
Sodium - Total	ND		20000	UG/L	6010	09/30/2008	20:47	
Thallium - Total	ND		0.50	UG/L	6020	09/30/2008	17:40	
Wet Chemistry Analysis								
pH	8.00		0	S.U.	9040	09/26/2008	10:56	RJP

OP-TECH Environmental
Sample ID: INFLUENT #6
Trace Level Organic Compounds

EPA-5 1613B

Lot - Sample #....:	G8I260209 - 001	Work Order #....:	KXNN12AA	Matrix....:	WATER
Date Sampled....:	09/25/08	Date Received....:	09/26/08	Instrument ID....:	4D5
Prep Date....:	10/09/08	Analysis Date....:	10/15/08		
Prep Batch #:	8283538	Dilution Factor....:	1	Units.....:	pg/L
Initial Wgt/Vol :	977.2 mL	Analyst ID....:	Jorma X. Kuusisto		

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	4.5	1.000	0
Total TCDD	ND	4.5		0
1,2,3,7,8-PeCDD	60		0.500	30
Total PeCDD	60			
1,2,3,4,7,8-HxCDD	90		0.100	9.0
1,2,3,6,7,8-HxCDD	410		0.100	41
1,2,3,7,8,9-HxCDD	230		0.100	23
Total HxCDD	1500			
1,2,3,4,6,7,8-HpCDD	15000		0.010	150
Total HpCDD	21000			
OCDD	120000	E	0.001	120
2,3,7,8-TCDF	ND	2.2	0.100	0
Total TCDF	ND	6.8		0
1,2,3,7,8-PeCDF	ND	7.8	0.050	0
2,3,4,7,8-PeCDF	ND	6.6	0.500	0
Total PeCDF	78			
1,2,3,4,7,8-HxCDF	70		0.100	7.0
1,2,3,6,7,8-HxCDF	35	J	0.100	3.5
2,3,4,6,7,8-HxCDF	30	J	0.100	3.0
1,2,3,7,8,9-HxCDF	ND	2.8	0.100	0
Total HxCDF	2100			
1,2,3,4,6,7,8-HpCDF	2900		0.010	29
1,2,3,4,7,8,9-HpCDF	220		0.010	2.2
Total HpCDF	14000			
OCDF	21000		0.001	21
Total TEQ Concentration				440

OP-TECH Environmental

Sample ID: INFLUENT #6

Trace Level Organic Compounds

EPA-5 1613B

Lot - Sample #....: G8I260209 - 001
Date Sampled....: 09/25/08
Prep Date....: 10/09/08
Prep Batch #: 8283538
Initial Wgt/Vol : 977.2 mL

Work Order #....: KXNN12AA
Date Received....: 09/26/08
Analysis Date....: 10/15/08
Dilution Factor....: 1
Analyst ID....: Jorma X. Kuusisto

Matrix....: WATER
Instrument ID....: 4D5
Units.....: pg/L

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	54	25 - 164
13C-1,2,3,7,8-PeCDD	52	25 - 181
13C-1,2,3,4,7,8-HxCDD	57	32 - 141
13C-1,2,3,6,7,8-HxCDD	57	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	61	23 - 140
13C-OCDD	67	17 - 157
13C-2,3,7,8-TCDF	52	24 - 169
13C-1,2,3,7,8-PeCDF	51	24 - 185
13C-2,3,4,7,8-PeCDF	49	21 - 178
13C-1,2,3,6,7,8-HxCDF	59	26 - 123
13C-2,3,4,6,7,8-HxCDF	58	28 - 136
13C-1,2,3,7,8,9-HxCDF	53	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	57	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	58	26 - 138
13C-1,2,3,4,7,8-HxCDF	56	26 - 152

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	91	35 - 197

QUALIFIERS

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated Result.

OP-TECH Environmental

Sample ID: EFFLUENT #6

Trace Level Organic Compounds

EPA-5 1613B

Lot - Sample #....: G8I260209 - 002
 Date Sampled....: 09/25/08
 Prep Date....: 10/09/08
 Prep Batch #: 8283538
 Initial Wgt/Vol : 799 mL

Work Order #....: KXNN52AA
 Date Received....: 09/26/08
 Analysis Date....: 10/15/08
 Dilution Factor....: 1
 Analyst ID....: Jorma X. Kuusisto

Matrix....: WATER
 Instrument ID....: 4D5
 Units.....: pg/L

PARAMETER	RESULT	DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	ND	0.77	1.000	0
Total TCDD	ND	0.77		0
1,2,3,7,8-PeCDD	ND	1.3	0.500	0
Total PeCDD	ND	1.3		0
1,2,3,4,7,8-HxCDD	ND	1.8	0.100	0
1,2,3,6,7,8-HxCDD	ND	2.9	0.100	0
1,2,3,7,8,9-HxCDD	ND	2.9	0.100	0
Total HxCDD	ND	2.9		0
1,2,3,4,6,7,8-HpCDD	ND	16	0.010	0
Total HpCDD	ND	16		0
OCDD	100	J	0.001	0.10
2,3,7,8-TCDF	ND	0.41	0.100	0
Total TCDF	ND	0.41		0
1,2,3,7,8-PeCDF	ND	1.8	0.050	0
2,3,4,7,8-PeCDF	ND	0.75	0.500	0
Total PeCDF	ND	1.8		0
1,2,3,4,7,8-HxCDF	ND	2.2	0.100	0
1,2,3,6,7,8-HxCDF	ND	2.2	0.100	0
2,3,4,6,7,8-HxCDF	ND	1.6	0.100	0
1,2,3,7,8,9-HxCDF	ND	1.9	0.100	0
Total HxCDF	ND	2.2		0
1,2,3,4,6,7,8-HpCDF	ND	4.5	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	2.0	0.010	0
Total HpCDF	ND	8.4		0
OCDF	ND	21	0.001	0
Total TEQ Concentration				0.10

OP-TECH Environmental
Sample ID: EFFLUENT #6
Trace Level Organic Compounds

EPA-5 1613B

Lot - Sample #....: G8I260209 - 002
 Date Sampled....: 09/25/08
 Prep Date....: 10/09/08
 Prep Batch #: 8283538
 Initial Wgt/Vol : 799 mL

Work Order #....: KXNN52AA
 Date Received....: 09/26/08
 Analysis Date....: 10/15/08
 Dilution Factor....: 1
 Analyst ID....: Jorma X. Kuusisto

Matrix....: WATER
 Instrument ID....: 4D5
 Units.....: pg/L

INTERNAL STANDARDS

	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	65	25 - 164
13C-1,2,3,7,8-PeCDD	64	25 - 181
13C-1,2,3,4,7,8-HxCDD	66	32 - 141
13C-1,2,3,6,7,8-HxCDD	72	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	70	23 - 140
13C-OCDD	69	17 - 157
13C-2,3,7,8-TCDF	62	24 - 169
13C-1,2,3,7,8-PeCDF	60	24 - 185
13C-2,3,4,7,8-PeCDF	59	21 - 178
13C-1,2,3,6,7,8-HxCDF	72	26 - 123
13C-2,3,4,6,7,8-HxCDF	71	28 - 136
13C-1,2,3,7,8,9-HxCDF	66	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	69	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	68	26 - 138
13C-1,2,3,4,7,8-HxCDF	69	26 - 152

SURROGATE

	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	88	35 - 197

QUALIFIERS

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

J Estimated Result.

SAMPLE SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
			<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A8C18802	EFFLUENT #7	WATER	10/02/2008	08:00	10/03/2008	09:05
A8C18801	INFLUENT #7	WATER	10/02/2008	08:00	10/03/2008	09:05

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METHODS SUMMARY

Job#: A08-C188

Project#: NY5A9454
 Site Name: DEC OP TECH

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
8270 Low Semi-Volatiles	SW8463 8270LOW
METHOD 8270 - TCL SEMIVOLATILES	SW8463 8270
METHOD 8082 - POLYCHLORINATED BIPHENYLS - Aqueous	SW8463 8082
Aluminum - Total	SW8463 6010
Beryllium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Iron - Total	SW8463 6010
Lead - Total	SW8463 6010
Magnesium - Total	SW8463 6010
Manganese - Total	SW8463 6010
Nickel - Total	SW8463 6010
Sodium - Total	SW8463 6010
Thallium - Total	SW8463 6020
pH	A89/91 9040

References:

- A89/91 "Analytical Services Protocol", New York State Department of Conservation, September 1989, Revised 1991
- SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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<u>Method</u>	<u>Parameter</u>	<u>Unit</u>	<u>Client RL</u>	<u>Lab PQL</u>
<u>Organics</u>				
8082	Aroclor 1254	UG/L	0.090	0.50
8270	Benzoic acid	UG/L	100	150
6010	Aluminum - Total	UG/L	100	200

Sample ID: EFFLUENT #7

Lab Sample ID: A8C18802

Date Collected: 10/02/2008

Time Collected: 08:00

Date Received: 10/03/2008

Project No: NY5A9454

Client No: 135066

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
EFF WATER - SW8463 - SEMIVOLATILES - 8270								
2,6-Dinitrotoluene	ND		5	UG/L	8270	10/09/2008	14:42	AJ
Benzoic acid	ND		94	UG/L	8270	10/09/2008	14:42	AJ
Bis(2-ethylhexyl) phthalate	ND		5	UG/L	8270	10/09/2008	14:42	AJ
AQUEOUS - SW846 - 8270 LOW SEMI-VOLATILES - P								
Pentachlorophenol	ND		1	UG/L	8270LOW	10/08/2008	13:01	JLG
EFF WATER - SW8463 - AROCLOR 1254 - 8082								
Aroclor 1254	ND		0.10	UG/L	8082	10/08/2008	17:18	GFD
Metals Analysis								
Aluminum - Total	ND		100	UG/L	6010	10/06/2008	19:11	
Beryllium - Total	ND		3.0	UG/L	6010	10/06/2008	19:11	
Chromium - Total	ND		50.0	UG/L	6010	10/06/2008	19:11	
Iron - Total	ND		300	UG/L	6010	10/06/2008	19:11	
Lead - Total	ND		25.0	UG/L	6010	10/06/2008	19:11	
Magnesium - Total	ND		35000	UG/L	6010	10/06/2008	19:11	
Manganese - Total	ND		300	UG/L	6010	10/06/2008	19:11	
Nickel - Total	ND		100	UG/L	6010	10/06/2008	19:11	
Sodium - Total	ND		20000	UG/L	6010	10/06/2008	19:11	
Thallium - Total	ND		0.50	UG/L	6020	10/07/2008	17:18	
Wet Chemistry Analysis								
pH	7.68		0	S.U.	9040	10/03/2008	21:21	RK

Sample ID: EFFLUENT #7
Lab Sample ID: A8C18802RE
Date Collected: 10/02/2008
Time Collected: 08:00

Date Received: 10/03/2008
Project No: NY5A9454
Client No: 135066
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Wet Chemistry Analysis								
pH	7.49		0	S.U.	9040	10/07/2008	10:57	KD

Sample ID: INFLUENT #7

Date Received: 10/03/2008

Lab Sample ID: A8C18801

Project No: NY5A9454

Date Collected: 10/02/2008

Client No: 135066

Time Collected: 08:00

Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
EFF WATER - SW8463 - SEMIVOLATILES - 8270								
2,6-Dinitrotoluene	ND		5	UG/L	8270	10/09/2008	14:19	AJ
Benzoic acid	ND		96	UG/L	8270	10/09/2008	14:19	AJ
Bis(2-ethylhexyl) phthalate	ND		5	UG/L	8270	10/09/2008	14:19	AJ
AQUEOUS - SW846 - 8270 LOW SEMI-VOLATILES - P								
Pentachlorophenol	ND		1	UG/L	8270LOW	10/08/2008	12:37	JLG
EFF WATER - SW8463 - AROCLOR 1254 - 8082								
Aroclor 1254	ND		0.086	UG/L	8082	10/08/2008	16:59	GFD
Metals Analysis								
Aluminum - Total	157		100	UG/L	6010	10/06/2008	19:06	
Beryllium - Total	ND		3.0	UG/L	6010	10/06/2008	19:06	
Chromium - Total	ND		50.0	UG/L	6010	10/06/2008	19:06	
Iron - Total	1590		300	UG/L	6010	10/06/2008	19:06	
Lead - Total	ND		25.0	UG/L	6010	10/06/2008	19:06	
Magnesium - Total	ND		35000	UG/L	6010	10/06/2008	19:06	
Manganese - Total	877		300	UG/L	6010	10/06/2008	19:06	
Nickel - Total	ND		100	UG/L	6010	10/06/2008	19:06	
Sodium - Total	ND		20000	UG/L	6010	10/06/2008	19:06	
Thallium - Total	ND		0.50	UG/L	6020	10/07/2008	17:14	
Wet Chemistry Analysis								
pH	7.75		0	S.U.	9040	10/03/2008	21:21	RK

Sample ID: INFLUENT #7
Lab Sample ID: A8C18801RE
Date Collected: 10/02/2008
Time Collected: 08:00

Date Received: 10/03/2008
Project No: NY5A9454
Client No: 135066
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time		Analyst
						Analyzed		
Wet Chemistry Analysis								
pH	7.61		0	S.U.	9040	10/07/2008	10:57	KD

OP-TECH Environmental
Sample ID: INFLUENT #7
Trace Level Organic Compounds

EPA-5 1613B

Lot - Sample #....: G8J030118 - 001	Work Order #....: KX4LH1AA	Matrix....: WATER
Date Sampled....: 10/02/08	Date Received....: 10/03/08	Instrument ID....: 4D5
Prep Date....: 10/03/08	Analysis Date....: 10/09/08	
Prep Batch #: 8280324	Dilution Factor....: 1	Units.....: pg/L
Initial Wgt/Vol : 1023.7 mL	Analyst ID....: Jorma X. Kuusisto	

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.66	1.000	0
Total TCDD	ND	0.66		0
1,2,3,7,8-PeCDD	ND	1.1	0.500	0
Total PeCDD	ND	1.1		0
1,2,3,4,7,8-HxCDD	ND	1.2	0.100	0
1,2,3,6,7,8-HxCDD	ND	1.0	0.100	0
1,2,3,7,8,9-HxCDD	ND	1.1	0.100	0
Total HxCDD	ND	1.2		0
1,2,3,4,6,7,8-HpCDD	ND	14	0.010	0
Total HpCDD	ND	14		0
OCDD	89	J	0.001	0.089
2,3,7,8-TCDF	ND	0.37	0.100	0
Total TCDF	ND	0.37		0
1,2,3,7,8-PeCDF	ND	0.75	0.050	0
2,3,4,7,8-PeCDF	ND	0.81	0.500	0
Total PeCDF	ND	0.82		0
1,2,3,4,7,8-HxCDF	ND	0.70	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.61	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.52	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.94	0.100	0
Total HxCDF	ND	0.94		0
1,2,3,4,6,7,8-HpCDF	ND	3.4	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.4	0.010	0
Total HpCDF	ND	7.7		0
OCDF	ND	23	0.001	0
Total TEQ Concentration				0.089

OP-TECH Environmental
Sample ID: INFLUENT #7
Trace Level Organic Compounds

EPA-5 1613B

Lot - Sample #....: G8J030118 - 001	Work Order #....: KX4LH1AA	Matrix....: WATER
Date Sampled....: 10/02/08	Date Received....: 10/03/08	Instrument ID....: 4D5
Prep Date....: 10/03/08	Analysis Date....: 10/09/08	
Prep Batch #: 8280324	Dilution Factor....: 1	Units.....: pg/L
Initial Wgt/Vol : 1023.7 mL	Analyst ID....: Jorma X. Kuusisto	

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	62	25 - 164
13C-1,2,3,7,8-PeCDD	64	25 - 181
13C-1,2,3,4,7,8-HxCDD	60	32 - 141
13C-1,2,3,6,7,8-HxCDD	69	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	66	23 - 140
13C-OCDD	63	17 - 157
13C-2,3,7,8-TCDF	64	24 - 169
13C-1,2,3,7,8-PeCDF	66	24 - 185
13C-2,3,4,7,8-PeCDF	67	21 - 178
13C-1,2,3,6,7,8-HxCDF	74	26 - 123
13C-2,3,4,6,7,8-HxCDF	71	28 - 136
13C-1,2,3,7,8,9-HxCDF	68	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	66	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	65	26 - 138
13C-1,2,3,4,7,8-HxCDF	69	26 - 152

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	96	35 - 197

QUALIFIERS

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

J Estimated Result.

OP-TECH Environmental
Sample ID: EFFLUENT #7
Trace Level Organic Compounds

EPA-5 1613B

Lot - Sample #....: G8J030118 - 002	Work Order #....: KX4LP1AA	Matrix....: WATER
Date Sampled....: 10/02/08	Date Received....: 10/03/08	Instrument ID....: 4D5
Prep Date....: 10/03/08	Analysis Date....: 10/09/08	
Prep Batch #: 8280324	Dilution Factor....: 1	Units.....: pg/L
Initial Wgt/Vol : 1021.3 mL	Analyst ID....: Jorma X. Kuusisto	

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>TEF FACTOR</u>	<u>TEQ CONCENTRATION</u>
2,3,7,8-TCDD	ND	0.41	1.000	0
Total TCDD	ND	0.41		0
1,2,3,7,8-PeCDD	ND	0.86	0.500	0
Total PeCDD	ND	0.86		0
1,2,3,4,7,8-HxCDD	ND	0.46	0.100	0
1,2,3,6,7,8-HxCDD	ND	0.39	0.100	0
1,2,3,7,8,9-HxCDD	ND	0.38	0.100	0
Total HxCDD	ND	0.63		0
1,2,3,4,6,7,8-HpCDD	ND	9.4	0.010	0
Total HpCDD	ND	9.4		0
OCDD	73		0.001	0.073
2,3,7,8-TCDF	ND	0.11	0.100	0
Total TCDF	ND	0.11		0
1,2,3,7,8-PeCDF	ND	0.43	0.050	0
2,3,4,7,8-PeCDF	ND	0.46	0.500	0
Total PeCDF	ND	0.46		0
1,2,3,4,7,8-HxCDF	ND	0.64	0.100	0
1,2,3,6,7,8-HxCDF	ND	0.31	0.100	0
2,3,4,6,7,8-HxCDF	ND	0.30	0.100	0
1,2,3,7,8,9-HxCDF	ND	0.68	0.100	0
Total HxCDF	ND	0.77		0
1,2,3,4,6,7,8-HpCDF	ND	3.4	0.010	0
1,2,3,4,7,8,9-HpCDF	ND	1.2	0.010	0
Total HpCDF	ND	5.7		0
OCDF	ND	8.9	0.001	0
Total TEQ Concentration				0.073

OP-TECH Environmental
Sample ID: EFFLUENT #7
Trace Level Organic Compounds

EPA-5 1613B

Lot - Sample #....: G8J030118 - 002
Date Sampled....: 10/02/08
Prep Date....: 10/03/08
Prep Batch #: 8280324
Initial Wgt/Vol : 1021.3 mL

Work Order #....: KX4LP1AA
Date Received....: 10/03/08
Analysis Date....: 10/09/08
Dilution Factor....: 1
Analyst ID....: Jorma X. Kuusisto

Matrix....: WATER
Instrument ID....: 4D5
Units....: pg/L

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	74	25 - 164
13C-1,2,3,7,8-PeCDD	78	25 - 181
13C-1,2,3,4,7,8-HxCDD	74	32 - 141
13C-1,2,3,6,7,8-HxCDD	85	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	73	23 - 140
13C-OCDD	64	17 - 157
13C-2,3,7,8-TCDF	75	24 - 169
13C-1,2,3,7,8-PeCDF	78	24 - 185
13C-2,3,4,7,8-PeCDF	81	21 - 178
13C-1,2,3,6,7,8-HxCDF	83	26 - 123
13C-2,3,4,6,7,8-HxCDF	81	28 - 136
13C-1,2,3,7,8,9-HxCDF	79	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	75	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	71	26 - 138
13C-1,2,3,4,7,8-HxCDF	79	26 - 152

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	90	35 - 197

QUALIFIERS

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

J Estimated Result.

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7149-1

Sdg Number: 220-7149

Client Sample ID: Stockpile Water

Lab Sample ID: 220-7149-1

Date Sampled: 11/06/2008 1100

Client Matrix: Water

Date Received: 11/07/2008 0936

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 220-21974 Instrument ID: HP 6890/5973 GC/MS
Preparation: 5030B Lab File ID: V9599.D
Dilution: 1.0 Initial Weight/Volume: 5 mL
Date Analyzed: 11/13/2008 1345 Final Weight/Volume: 5 mL
Date Prepared: 11/13/2008 1345

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.69	U	0.69	5.0
Dichlorodifluoromethane	1.0	U	1.0	5.0
Chloromethane	1.1	U	1.1	5.0
Vinyl chloride	0.99	U	0.99	5.0
Bromomethane	2.1	U	2.1	5.0
Chloroethane	1.1	U	1.1	5.0
Trichlorofluoromethane	1.1	U	1.1	5.0
1,1-Dichloroethene	0.83	U	0.83	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.97	U	0.97	5.0
Acetone	5.8	J	1.0	10
Carbon disulfide	0.90	U	0.90	5.0
Methyl acetate	0.48	U *	0.48	5.0
Methylene Chloride	0.78	U	0.78	5.0
trans-1,2-Dichloroethene	0.76	U	0.76	5.0
Methyl tert-butyl ether	0.17	U	0.17	5.0
1,1-Dichloroethane	1.0	U	1.0	5.0
cis-1,2-Dichloroethene	0.99	U	0.99	5.0
Methyl Ethyl Ketone	1.1	U	1.1	10
Chloroform	0.67	U	0.67	5.0
Cyclohexane	0.70	U	0.70	5.0
Carbon tetrachloride	1.1	U	1.1	5.0
Benzene	0.74	U	0.74	5.0
1,2-Dichloroethane	0.72	U	0.72	5.0
Trichloroethene	0.62	U	0.62	5.0
Methylcyclohexane	0.98	U	0.98	5.0
1,2-Dichloropropane	0.71	U	0.71	5.0
Bromodichloromethane	0.48	U	0.48	5.0
cis-1,3-Dichloropropene	0.28	U	0.28	5.0
methyl isobutyl ketone	0.38	U	0.38	10
Toluene	0.72	U	0.72	5.0
trans-1,3-Dichloropropene	0.57	U	0.57	5.0
1,1,2-Trichloroethane	0.65	U	0.65	5.0
Tetrachloroethene	0.81	U	0.81	5.0
2-Hexanone	1.1	U	1.1	10
Dibromochloromethane	0.55	U	0.55	5.0
1,2-Dibromoethane	0.52	U	0.52	5.0
Chlorobenzene	0.72	U	0.72	5.0
Ethylbenzene	0.87	U	0.87	5.0
Xylenes, Total	2.3	U	2.3	5.0
Styrene	0.64	U	0.64	5.0
Bromoform	0.46	U	0.46	5.0
Isopropylbenzene	0.85	U	0.85	5.0
1,1,2,2-Tetrachloroethane	0.81	U	0.81	5.0
1,3-Dichlorobenzene	0.14	U	0.14	5.0

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7149-1

Sdg Number: 220-7149

Client Sample ID: Stockpile Water

Lab Sample ID: 220-7149-1

Date Sampled: 11/06/2008 1100

Client Matrix: Water

Date Received: 11/07/2008 0936

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B

Analysis Batch: 220-21974

Instrument ID: HP 6890/5973 GC/MS

Preparation: 5030B

Lab File ID: V9599.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Date Analyzed: 11/13/2008 1345

Final Weight/Volume: 5 mL

Date Prepared: 11/13/2008 1345

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dichlorobenzene	0.59	U	0.59	5.0
1,2-Dichlorobenzene	0.22	U	0.22	5.0
1,2-Dibromo-3-Chloropropane	1.2	U	1.2	5.0
1,2,4-Trichlorobenzene	0.72	U	0.72	5.0

Surrogate	%Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	53 - 125
4-Bromofluorobenzene	91	73 - 127
Dibromofluoromethane	111	54 - 137
Toluene-d8 (Surr)	92	63 - 121

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7149-1

Sdg Number: 220-7149

Client Sample ID: Stockpile Water

Lab Sample ID: 220-7149-1

Date Sampled: 11/06/2008 1100

Client Matrix: Water

Date Received: 11/07/2008 0936

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

Method:	8270C	Analysis Batch: 220-21921	Instrument ID:	HP 6890/5975
Preparation:	3510C	Prep Batch: 220-21805	Lab File ID:	A2508.D
Dilution:	10		Initial Weight/Volume:	1000 mL
Date Analyzed:	11/11/2008 1313		Final Weight/Volume:	1 mL
Date Prepared:	11/08/2008 0854		Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzaldehyde	15	U	15	100
Phenol	2.9	U	2.9	40
Bis(2-chloroethyl)ether	10	U	10	40
2-Chlorophenol	6.1	U	6.1	40
2,2'-oxybis[1-chloropropane]	7.1	U	7.1	40
2-Methylphenol	6.0	U	6.0	40
Acetophenone	5.2	U	5.2	40
Hexachloroethane	5.2	U	5.2	40
N-Nitrosodi-n-propylamine	4.1	U	4.1	40
4-Methylphenol	3.9	U	3.9	40
Nitrobenzene	7.3	U	7.3	40
Isophorone	3.8	U	3.8	40
2-Nitrophenol	5.1	U	5.1	40
2,4-Dimethylphenol	5.0	U	5.0	40
Bis(2-chloroethoxy)methane	11	U	11	40
2,4-Dichlorophenol	5.5	U	5.5	40
Naphthalene	4.2	U	4.2	40
4-Chloroaniline	6.7	U	6.7	40
Hexachlorobutadiene	8.6	U	8.6	40
Caprolactam	9.2	U	9.2	40
4-Chloro-3-methylphenol	13	U	13	50
2-Methylnaphthalene	4.7	U	4.7	40
Hexachlorocyclopentadiene	7.5	U	7.5	40
2,4,6-Trichlorophenol	4.9	U	4.9	40
2,4,5-Trichlorophenol	5.4	U	5.4	100
1,1'-Biphenyl	5.1	U	5.1	40
2-Chloronaphthalene	4.9	U	4.9	40
2-Nitroaniline	5.3	U	5.3	40
Acenaphthylene	4.7	U	4.7	40
Dimethyl phthalate	3.3	U	3.3	40
2,6-Dinitrotoluene	4.2	U	4.2	40
Acenaphthene	3.8	U	3.8	40
3-Nitroaniline	3.7	U	3.7	40
2,4-Dinitrophenol	11	U	11	250
Dibenzofuran	3.9	U	3.9	40
2,4-Dinitrotoluene	3.0	U	3.0	40
4-Nitrophenol	3.8	U	3.8	100
Fluorene	4.8	U	4.8	40
4-Chlorophenyl phenyl ether	4.9	U	4.9	40
Diethyl phthalate	4.2	U	4.2	40
4-Nitroaniline	2.8	U	2.8	40
4,6-Dinitro-2-methylphenol	3.7	U	3.7	250
N-Nitrosodiphenylamine	3.5	U	3.5	40
4-Bromophenyl phenyl ether	4.9	U	4.9	40

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7149-1

Sdg Number: 220-7149

Client Sample ID: Stockpile Water

Lab Sample ID: 220-7149-1

Date Sampled: 11/06/2008 1100

Client Matrix: Water

Date Received: 11/07/2008 0936

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

Method:	8270C	Analysis Batch: 220-21921	Instrument ID:	HP 6890/5975
Preparation:	3510C	Prep Batch: 220-21805	Lab File ID:	A2508.D
Dilution:	10		Initial Weight/Volume:	1000 mL
Date Analyzed:	11/11/2008 1313		Final Weight/Volume:	1 mL
Date Prepared:	11/08/2008 0854		Injection Volume:	1.0 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Hexachlorobenzene	4.8	U	4.8	40
Pentachlorophenol	550		12	250
Phenanthrene	5.8	J	3.9	40
Carbazole	3.5	U	3.5	40
Anthracene	4.2	U	4.2	40
Di-n-butyl phthalate	4.9	U	4.9	40
Fluoranthene	4.2	U	4.2	40
Pyrene	4.2	U	4.2	40
Butyl benzyl phthalate	4.8	U	4.8	40
3,3'-Dichlorobenzidine	6.6	U	6.6	40
Benzo[a]anthracene	3.7	U	3.7	40
Chrysene	4.0	U	4.0	40
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	40
Di-n-octyl phthalate	4.5	U	4.5	40
Benzo[b]fluoranthene	3.8	U	3.8	40
Benzo[k]fluoranthene	4.3	U	4.3	40
Benzo[a]pyrene	3.7	U	3.7	40
Indeno[1,2,3-cd]pyrene	4.1	U	4.1	40
Dibenz(a,h)anthracene	3.2	U	3.2	40
Benzo[g,h,i]perylene	2.9	U	2.9	40

Surrogate	%Rec	Acceptance Limits
2-Fluorophenol	31	21 - 97
Phenol-d5	21	18 - 97
Nitrobenzene-d5	58	38 - 113
2-Fluorobiphenyl	59	43 - 116
2,4,6-Tribromophenol	55	29 - 126
Terphenyl-d14	68	10 - 119

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7149-1

Sdg Number: 220-7149

Client Sample ID: Stockpile Water

Lab Sample ID: 220-7149-1

Date Sampled: 11/06/2008 1100

Client Matrix: Water

Date Received: 11/07/2008 0936

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-21965	Instrument ID:	HP 5890 with dual ECD
Preparation:	3510C	Prep Batch: 220-21908	Lab File ID:	D4729152.d
Dilution:	1.0		Initial Weight/Volume:	1000 mL
Date Analyzed:	11/13/2008 1125		Final Weight/Volume:	10.0 mL
Date Prepared:	11/12/2008 1442		Injection Volume:	1.0 uL
			Column ID:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.075	U	0.075	0.50
PCB-1221	0.32	U	0.32	1.0
PCB-1232	0.075	U	0.075	0.50
PCB-1242	0.075	U	0.075	0.50
PCB-1248	0.075	U	0.075	0.50
PCB-1254	0.045	U	0.045	0.50
PCB-1260	0.047	U	0.047	0.50

Surrogate	%Rec		Acceptance Limits
Tetrachloro-m-xylene	276	*	53 - 144
DCB Decachlorobiphenyl	22	*	29 - 156

Analytical Data

Client: OP-TECH Environmental

Job Number: 220-7149-1

Sdg Number: 220-7149

Client Sample ID: Stockpile Water

Lab Sample ID: 220-7149-1

Date Sampled: 11/06/2008 1100

Client Matrix: Water

Date Received: 11/07/2008 0936

6010B Metals (ICP)

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 11/11/2008 1657
Date Prepared: 11/10/2008 1350

Analysis Batch: 220-21899
Prep Batch: 220-21839

Instrument ID: TJA Trace ICAP
Lab File ID: W111108
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	1.3	U	1.3	10
Aluminum	3800		47	500
Arsenic	4.4	U	4.4	20
Barium	64		1.2	10
Beryllium	1.1	U	1.1	10
Calcium	32000		62	500
Cadmium	2.8	U	2.8	10
Cobalt	3.8	J	1.4	10
Chromium	5.6	J	1.0	10
Copper	10		1.4	10
Iron	8200		62	250
Potassium	1400		81	500
Magnesium	5000		49	500
Manganese	880		2.3	15
Sodium	2900		50	500
Nickel	7.2	J	1.4	10
Lead	4.3	J	3.0	10
Antimony	8.8	U	8.8	40
Selenium	3.2	U	3.2	30
Thallium	8.0	U	8.0	30
Vanadium	6.1	J	1.2	10
Zinc	26	J	7.0	50

7470A Mercury (CVAA)

Method: 7470A
Preparation: 7470A
Dilution: 1.0
Date Analyzed: 11/13/2008 1402
Date Prepared: 11/13/2008 1149

Analysis Batch: 220-21973
Prep Batch: 220-21961

Instrument ID: Perkin Elmer FIMS
Lab File ID: N/A
Initial Weight/Volume: 25 mL
Final Weight/Volume: 50 mL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.090	U	0.090	0.20

OP-TECH Environmental
Sample ID: STOCKPILE WATER
Trace Level Organic Compounds

EPA-5 1613B

Lot - Sample #....:	G8K070177 - 001	Work Order #....:	K2GJX1AA	Matrix....:	WATER
Date Sampled....:	11/06/08	Date Received....:	11/07/08	Instrument ID....:	4D5
Prep Date....:	11/07/08	Analysis Date....:	11/13/08		
Prep Batch #:	8313123	Dilution Factor....:	1	Units.....:	pg/L
Initial Wgt/Vol :	993.5 mL	Analyst ID....:	Mark Onishi		

PARAMETER	RESULT		DETECTION LIMIT	TEF FACTOR	TEQ CONCENTRATION
2,3,7,8-TCDD	10	JA		1.000	10.0
Total TCDD	23				
1,2,3,7,8-PeCDD	300			0.500	150
Total PeCDD	470				
1,2,3,4,7,8-HxCDD	920			0.100	92
1,2,3,6,7,8-HxCDD	3000			0.100	300
1,2,3,7,8,9-HxCDD	2300			0.100	230
Total HxCDD	12000				
1,2,3,4,6,7,8-HpCDD	75000	E		0.010	750
Total HpCDD	110000				
OCDD	380000	E		0.001	380
2,3,7,8-TCDF	ND	CON	2.5	0.100	0
Total TCDF	22				
1,2,3,7,8-PeCDF	34	J		0.050	1.7
2,3,4,7,8-PeCDF	28	J		0.500	14
Total PeCDF	340				
1,2,3,4,7,8-HxCDF	310			0.100	31
1,2,3,6,7,8-HxCDF	150			0.100	15
2,3,4,6,7,8-HxCDF	99			0.100	9.9
1,2,3,7,8,9-HxCDF	ND		11	0.100	0
Total HxCDF	13000				
1,2,3,4,6,7,8-HpCDF	16000			0.010	160
1,2,3,4,7,8,9-HpCDF	550			0.010	5.5
Total HpCDF	78000				
OCDF	79000	E		0.001	79
Total TEQ Concentration					2200

OP-TECH Environmental
Sample ID: STOCKPILE WATER
Trace Level Organic Compounds

EPA-5 1613B

Lot - Sample #....: G8K070177 - 001
 Date Sampled....: 11/06/08
 Prep Date....: 11/07/08
 Prep Batch #: 8313123
 Initial Wgt/Vol : 993.5 mL

Work Order #....: K2GJX1AA
 Date Received....: 11/07/08
 Analysis Date....: 11/13/08
 Dilution Factor....: 1
 Analyst ID....: Mark Onishi

Matrix....: WATER
 Instrument ID....: 4D5
 Units.....: pg/L

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	37	25 - 164
13C-1,2,3,7,8-PeCDD	34	25 - 181
13C-1,2,3,4,7,8-HxCDD	36	32 - 141
13C-1,2,3,6,7,8-HxCDD	38	28 - 130
13C-1,2,3,4,6,7,8-HpCDD	48	23 - 140
13C-OCDD	62	17 - 157
13C-2,3,7,8-TCDF	36	24 - 169
13C-1,2,3,7,8-PeCDF	34	24 - 185
13C-2,3,4,7,8-PeCDF	34	21 - 178
13C-1,2,3,6,7,8-HxCDF	37	26 - 123
13C-2,3,4,6,7,8-HxCDF	41	28 - 136
13C-1,2,3,7,8,9-HxCDF	37	29 - 147
13C-1,2,3,4,6,7,8-HpCDF	39	28 - 143
13C-1,2,3,4,7,8,9-HpCDF	40	26 - 138
13C-1,2,3,4,7,8-HxCDF	37	26 - 152

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37Cl4-2,3,7,8-TCDD	91	35 - 197

QUALIFIERS

Notes:

TEF values are cited in U.S. Environmental Protection Agency, (1989) Interim procedures for estimating risks associated with exposures to mixtures of chlorinated dibenzo-p-dioxins and -dibenzofurans (CDDs and CDFs) and 1989 update. U.S. Environmental Protection Agency, Risk Assessment forum, Washington, DC; EPA/625/3-89/016.

- CON Confirmation analysis.
- E Estimated result. Result concentration exceeds the calibration range.
- J Estimated Result.
- JA The analyte was positively identified, but the quantitation is an estimate.

OP-TECH Environmental

Client Sample ID: STOCKPILE WATER

Trace Level Organic Compounds

Lot-Sample #...: G8K070177-001 Work Order #...: K2GJX1AA Matrix.....: WATER
 Date Sampled...: 11/06/08 Date Received..: 11/07/08
 Prep Date.....: 11/07/08 Analysis Date..: 11/13/08
 Prep Batch #...: 8313123
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	10 JA		pg/L	EPA-5 1613B
Total TCDD	23		pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	300		pg/L	EPA-5 1613B
Total PeCDD	470		pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	920		pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	3000		pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	2300		pg/L	EPA-5 1613B
Total HxCDD	12000		pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	75000 E		pg/L	EPA-5 1613B
Total HpCDD	110000		pg/L	EPA-5 1613B
OCDD	380000 E		pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND CON	2.5	pg/L	EPA-5 1613B
Total TCDF	22		pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	34 J		pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	28 J		pg/L	EPA-5 1613B
Total PeCDF	340		pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	310		pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	150		pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	99		pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	11	pg/L	EPA-5 1613B
Total HxCDF	13000		pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	16000		pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	550		pg/L	EPA-5 1613B
Total HpCDF	78000		pg/L	EPA-5 1613B
OCDF	79000 E		pg/L	EPA-5 1613B

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OP-TECH Environmental

Client Sample ID: STOCKPILE WATER

Trace Level Organic Compounds

Lot-Sample #...: G8K070177-001 Work Order #...: K2GJX1AA Matrix.....: WATER

<u>INTERNAL STANDARDS</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
13C-2,3,7,8-TCDD	37	(25 - 164)
13C-1,2,3,7,8-PeCDD	34	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	36	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	38	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	48	(23 - 140)
13C-OCDD	62	(17 - 157)
13C-2,3,7,8-TCDF	36	(24 - 169)
13C-1,2,3,7,8-PeCDF	34	(24 - 185)
13C-2,3,4,7,8-PeCDF	34	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	37	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	41	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	37	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	39	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	40	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	37	(26 - 152)

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
37C14-2,3,7,8-TCDD	91	(35 - 197)

NOTE(S):

-
- JA The analyte was positively identified, but the quantitation is an estimate.
 - E Estimated result. Result concentration exceeds the calibration range.
 - CON Confirmation analysis.
 - J Estimated result. Result is less than the reporting limit.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8K070177
 MB Lot-Sample #: G8K080000-123

Work Order #...: K2KEQ1AA

Matrix.....: WATER

Prep Date.....: 11/07/08

Analysis Date...: 11/13/08

Prep Batch #...: 8313123

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
2,3,7,8-TCDD	ND	1.2	pg/L	EPA-5 1613B
Total TCDD	ND	1.2	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	1.8	pg/L	EPA-5 1613B
Total PeCDD	ND	1.8	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	1.4	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	1.1	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	1.5	pg/L	EPA-5 1613B
Total HxCDD	ND	1.5	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	2.1	pg/L	EPA-5 1613B
Total HpCDD	ND	2.1	pg/L	EPA-5 1613B
OCDD	ND	7.8	pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	0.98	pg/L	EPA-5 1613B
Total TCDF	ND	0.99	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	1.0	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	1.1	pg/L	EPA-5 1613B
Total PeCDF	ND	1.2	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	1.0	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	1.2	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	1.1	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.82	pg/L	EPA-5 1613B
Total HxCDF	ND	1.2	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	1.6	pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	1.1	pg/L	EPA-5 1613B
Total HpCDF	ND	1.6	pg/L	EPA-5 1613B
OCDF	ND	2.4	pg/L	EPA-5 1613B

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METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8K070177

Work Order #...: K2KEQ1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
	PERCENT	RECOVERY		
<u>INTERNAL STANDARDS</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
13C-2,3,7,8-TCDD	44	(25 - 164)		
13C-1,2,3,7,8-PeCDD	46	(25 - 181)		
13C-1,2,3,4,7,8-HxCDD	51	(32 - 141)		
13C-1,2,3,6,7,8-HxCDD	48	(28 - 130)		
13C-1,2,3,4,6,7,8-HpCDD	51	(23 - 140)		
13C-OCDD	50	(17 - 157)		
13C-2,3,7,8-TCDF	43	(24 - 169)		
13C-1,2,3,7,8-PeCDF	46	(24 - 185)		
13C-2,3,4,7,8-PeCDF	46	(21 - 178)		
13C-1,2,3,6,7,8-HxCDF	52	(26 - 123)		
13C-2,3,4,6,7,8-HxCDF	53	(28 - 136)		
13C-1,2,3,7,8,9-HxCDF	52	(29 - 147)		
13C-1,2,3,4,6,7,8-HpCDF	50	(28 - 143)		
13C-1,2,3,4,7,8,9-HpCDF	49	(26 - 138)		
13C-1,2,3,4,7,8-HxCDF	47	(26 - 152)		
	PERCENT	RECOVERY		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
37C14-2,3,7,8-TCDD	88	(35 - 197)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8K070177
 MB Lot-Sample #: G8K080000-123

Work Order #...: K2KEQ1AD

Matrix.....: WATER

Prep Date.....: 11/07/08

Analysis Date...: 11/13/08

Prep Batch #...: 8313123

Dilution Factor: 1

PARAMETER	RESULT	DETECTION		METHOD
		LIMIT	UNITS	
2,3,7,8-TCDD	ND	1.5	pg/L	EPA-5 1613B
Total TCDD	ND	1.5	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDD	ND	2.1	pg/L	EPA-5 1613B
Total PeCDD	ND	2.1	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDD	ND	1.2	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDD	ND	1.1	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDD	ND	1.1	pg/L	EPA-5 1613B
Total HxCDD	ND	1.2	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	ND	1.2	pg/L	EPA-5 1613B
Total HpCDD	ND	1.2	pg/L	EPA-5 1613B
OCDD	ND	8.2	pg/L	EPA-5 1613B
2,3,7,8-TCDF	ND	1.1	pg/L	EPA-5 1613B
Total TCDF	ND	1.2	pg/L	EPA-5 1613B
1,2,3,7,8-PeCDF	ND	1.2	pg/L	EPA-5 1613B
2,3,4,7,8-PeCDF	ND	1.2	pg/L	EPA-5 1613B
Total PeCDF	ND	1.6	pg/L	EPA-5 1613B
1,2,3,4,7,8-HxCDF	ND	0.83	pg/L	EPA-5 1613B
1,2,3,6,7,8-HxCDF	ND	0.79	pg/L	EPA-5 1613B
2,3,4,6,7,8-HxCDF	ND	0.72	pg/L	EPA-5 1613B
1,2,3,7,8,9-HxCDF	ND	0.94	pg/L	EPA-5 1613B
Total HxCDF	ND	0.94	pg/L	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	ND	0.63	pg/L	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	ND	1.1	pg/L	EPA-5 1613B
Total HpCDF	ND	1.1	pg/L	EPA-5 1613B
OCDF	ND	2.2	pg/L	EPA-5 1613B

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METHOD BLANK REPORT

Trace Level Organic Compounds

Client Lot #...: G8K070177

Work Order #...: K2KEQ1AD

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>DETECTION LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
	PERCENT	RECOVERY		
<u>INTERNAL STANDARDS</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
13C-2,3,7,8-TCDD	47	(25 - 164)		
13C-1,2,3,7,8-PeCDD	47	(25 - 181)		
13C-1,2,3,4,7,8-HxCDD	50	(32 - 141)		
13C-1,2,3,6,7,8-HxCDD	50	(28 - 130)		
13C-1,2,3,4,6,7,8-HpCDD	50	(23 - 140)		
13C-OCDD	48	(17 - 157)		
13C-2,3,7,8-TCDF	46	(24 - 169)		
13C-1,2,3,7,8-PeCDF	46	(24 - 185)		
13C-2,3,4,7,8-PeCDF	48	(21 - 178)		
13C-1,2,3,6,7,8-HxCDF	52	(26 - 123)		
13C-2,3,4,6,7,8-HxCDF	53	(28 - 136)		
13C-1,2,3,7,8,9-HxCDF	52	(29 - 147)		
13C-1,2,3,4,6,7,8-HpCDF	50	(28 - 143)		
13C-1,2,3,4,7,8,9-HpCDF	49	(26 - 138)		
13C-1,2,3,4,7,8-HxCDF	47	(26 - 152)		
	PERCENT	RECOVERY		
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
37C14-2,3,7,8-TCDD	87	(35 - 197)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8K070177 Work Order #...: K2KEQ1AC Matrix.....: WATER
 LCS Lot-Sample#: G8K080000-123
 Prep Date.....: 11/07/08 Analysis Date...: 11/13/08
 Prep Batch #...: 8313123
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2,3,7,8-TCDD	99	(67 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDD	101	(70 - 142)	EPA-5 1613B
1,2,3,4,7,8-HxCDD	100	(70 - 164)	EPA-5 1613B
1,2,3,6,7,8-HxCDD	101	(76 - 134)	EPA-5 1613B
1,2,3,7,8,9-HxCDD	107	(64 - 162)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	99	(70 - 140)	EPA-5 1613B
OCDD	102	(78 - 144)	EPA-5 1613B
2,3,7,8-TCDF	97	(75 - 158)	EPA-5 1613B
1,2,3,7,8-PeCDF	102	(80 - 134)	EPA-5 1613B
2,3,4,7,8-PeCDF	99	(68 - 160)	EPA-5 1613B
1,2,3,4,7,8-HxCDF	99	(72 - 134)	EPA-5 1613B
1,2,3,6,7,8-HxCDF	103	(84 - 130)	EPA-5 1613B
2,3,4,6,7,8-HxCDF	99	(70 - 156)	EPA-5 1613B
1,2,3,7,8,9-HxCDF	103	(78 - 130)	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	104	(82 - 122)	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	106	(78 - 138)	EPA-5 1613B
OCDF	101	(63 - 170)	EPA-5 1613B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

Trace Level Organic Compounds

Client Lot #...: G8K070177 Work Order #...: K2KEQ1AC Matrix.....: WATER
 LCS Lot-Sample#: G8K080000-123

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	41	(25 - 164)
13C-1,2,3,7,8-PeCDD	44	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	48	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	48	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	49	(23 - 140)
13C-OCDD	46	(17 - 157)
13C-2,3,7,8-TCDF	41	(24 - 169)
13C-1,2,3,7,8-PeCDF	42	(24 - 185)
13C-2,3,4,7,8-PeCDF	45	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	48	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	51	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	48	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	48	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	46	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	48	(26 - 152)
<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
37C14-2,3,7,8-TCDD	84	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8K070177 Work Order #...: K2KEQ1AC Matrix.....: WATER
 LCS Lot-Sample#: G8K080000-123
 Prep Date.....: 11/07/08 Analysis Date...: 11/13/08
 Prep Batch #...: 8313123
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
2,3,7,8-TCDD	200	198	pg/L	99	EPA-5 1613B
1,2,3,7,8-PeCDD	1000	1010	pg/L	101	EPA-5 1613B
1,2,3,4,7,8-HxCDD	1000	1000	pg/L	100	EPA-5 1613B
1,2,3,6,7,8-HxCDD	1000	1010	pg/L	101	EPA-5 1613B
1,2,3,7,8,9-HxCDD	1000	1070	pg/L	107	EPA-5 1613B
1,2,3,4,6,7,8-HpCDD	1000	989	pg/L	99	EPA-5 1613B
OCDD	2000	2050	pg/L	102	EPA-5 1613B
2,3,7,8-TCDF	200	194	pg/L	97	EPA-5 1613B
1,2,3,7,8-PeCDF	1000	1020	pg/L	102	EPA-5 1613B
2,3,4,7,8-PeCDF	1000	986	pg/L	99	EPA-5 1613B
1,2,3,4,7,8-HxCDF	1000	985	pg/L	99	EPA-5 1613B
1,2,3,6,7,8-HxCDF	1000	1030	pg/L	103	EPA-5 1613B
2,3,4,6,7,8-HxCDF	1000	995	pg/L	99	EPA-5 1613B
1,2,3,7,8,9-HxCDF	1000	1030	pg/L	103	EPA-5 1613B
1,2,3,4,6,7,8-HpCDF	1000	1040	pg/L	104	EPA-5 1613B
1,2,3,4,7,8,9-HpCDF	1000	1060	pg/L	106	EPA-5 1613B
OCDF	2000	2030	pg/L	101	EPA-5 1613B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

Trace Level Organic Compounds

Client Lot #...: G8K070177 Work Order #...: K2KEQ1AC Matrix.....: WATER
 LCS Lot-Sample#: G8K080000-123

<u>INTERNAL STANDARD</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
13C-2,3,7,8-TCDD	41	(25 - 164)
13C-1,2,3,7,8-PeCDD	44	(25 - 181)
13C-1,2,3,4,7,8-HxCDD	48	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	48	(28 - 130)
13C-1,2,3,4,6,7,8-HpCDD	49	(23 - 140)
13C-OCDD	46	(17 - 157)
13C-2,3,7,8-TCDF	41	(24 - 169)
13C-1,2,3,7,8-PeCDF	42	(24 - 185)
13C-2,3,4,7,8-PeCDF	45	(21 - 178)
13C-1,2,3,6,7,8-HxCDF	48	(26 - 123)
13C-2,3,4,6,7,8-HxCDF	51	(28 - 136)
13C-1,2,3,7,8,9-HxCDF	48	(29 - 147)
13C-1,2,3,4,6,7,8-HpCDF	48	(28 - 143)
13C-1,2,3,4,7,8,9-HpCDF	46	(26 - 138)
13C-1,2,3,4,7,8-HxCDF	48	(26 - 152)
<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
37C14-2,3,7,8-TCDD	84	(35 - 197)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters