

APPENDIX S

DUSRs FOR ALL ENDPOINT SAMPLES

Table 1 Samples For Data Validation Review
Atlas Park Interim Remedial Measures
Glendale, New York
Severn Trent Sample Delivery Group 208881

SAMPLE I.D.	LABORATORY I.D.	DATE SAMPLED	MATRIX	VOC	ANALYSES PERFORMED				
					SVOC	PEST	PCB	TMET	CN
CONED-SSW-022305	208881	1	2/23/2005	Soil	X	X	X	X	X
CONED-WSW-022305	208881	2	2/23/2005	Soil	X	X	X	X	X
CONED-BOT1-022305	208881	3	2/23/2005	Soil	X	X	X	X	X
CONED-BOT2-022305	208881	4	2/23/2005	Soil	X	X	X	X	X

VOC	Volatile Organic Compounds
SVOC	Semivolatile Organic Compound
PEST	Pesticide Compounds
PCB	Polychlorinated Biphenyls
TMET	Metals
CN	Cyanide

SAMPLE INFORMATION

Date: 03/11/2005

Job Number.: 208881
 Customer...: LANGAN ENVIRONMENTAL SERVICES
 Attn.....: Jamie Barr

Project Number.....: 20000936
 Customer Project ID....: 5555107-ATLAS
 Project Description....: 5555107-ATLAS TERMINALS

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
208881-1	CONED-SSW-022305	Soil	02/23/2005	09:47	02/25/2005	15:30
208881-2	CONED-WSW-022305	Soil	02/23/2005	09:58	02/25/2005	15:30
208881-3	CONED-BOT1-022305	Soil	02/23/2005	10:15	02/25/2005	15:30
208881-4	CONED-BOT2-022305	Soil	02/23/2005	10:32	02/25/2005	15:30

LABORATORY TEST RESULTS

Job Number: 208881

Date: 03/04/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: CONED-SSW-022305
Date Sampled.....: 02/23/2005
Time Sampled.....: 09:47
Sample Matrix.....: Soil

Laboratory Sample ID: 208881-1
Date Received.....: 02/25/2005
Time Received.....: 15:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	84.1			0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	15.9			0.10	0.10	1	%	45298		02/28/05 0000	rlm
82608	Volatile Organics											
	Vinyl chloride, Solid*	ND			2.4	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Chloroethane, Solid*	ND			3.4	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	1,1-Dichloroethene, Solid*	ND			2.4	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Trichlorotrifluoroethane, Solid*	ND			2.5	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Carbon disulfide, Solid*	ND			2.0	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Acetone, Solid*	ND			2.0	12	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Methylene chloride, Solid*	ND			4.2	12	1.00000	ug/Kg	45477		03/01/05 1809	pam
	trans-1,2-Dichloroethene, Solid*	ND			1.7	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	1,1-Dichloroethane, Solid*	ND			1.5	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	2-Butanone (MEK), Solid*	ND			2.7	12	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Chloroform, Solid*	ND			1.3	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	1,1,1-Trichloroethane, Solid*	ND			1.9	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Carbon tetrachloride, Solid*	ND			2.5	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Benzene, Solid*	ND			1.7	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	1,2-Dichloroethane, Solid*	ND			2.1	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Trichloroethene, Solid*	ND			2.0	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	4-Methyl-2-pentanone (MIBK), Solid*	ND			2.0	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Toluene, Solid*	ND			1.2	12	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Tetrachloroethene, Solid*	ND			2.0	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	1,3-Dichloropropane, Solid*	ND			2.3	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Dibromochloromethane, Solid*	ND			0.83	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Chlorobenzene, Solid*	ND			0.59	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	Ethylbenzene, Solid*	ND			1.3	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
	1,1,2,2-Tetrachloroethane, Solid*	ND			2.1	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam
		ND			0.59	5.9	1.00000	ug/Kg	45477		03/01/05 1809	pam

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 208881						Date:03/04/2005						
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES						PROJECT: 555107-ATLAS						
ATTN: Jamie Barr												
Customer Sample ID: 208881-1 Date Sampled.....: 02/23/2005 Time Sampled.....: 09:47 Sample Matrix.....: Soil						Laboratory Sample ID: 208881-1 Date Received.....: 02/25/2005 Time Received.....: 15:30						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,3-Trichloropropane, Solid*	ND	U	J	1.5	5.9	1.00000	ug/Kg	45477	03/01/05	1809	pam
	Xylenes (total), Solid*	ND	U		5.4	5.9	1.00000	ug/Kg	45477	03/01/05	1809	pam
	1,3-Dichlorobenzene, Solid*	ND	U		1.3	5.9	1.00000	ug/Kg	45477	03/01/05	1809	pam
	1,4-Dichlorobenzene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	45477	03/01/05	1809	pam
	1,2-Dichlorobenzene, Solid*	ND	U		0.48	5.9	1.00000	ug/Kg	45477	03/01/05	1809	pam
	1,2,4-Trichlorobenzene, Solid*	ND	U		0.83	5.9	1.00000	ug/Kg	45477	03/01/05	1809	pam

* In Description = Dry Wgt.

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* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 208881						Date:03/04/2005					
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES						PROJECT: 555107-ATLAS					
Customer Sample ID: CONED-WSW-022305 Date Sampled.....: 02/23/2005 Time Sampled.....: 09:58 Sample Matrix.....: Soil						Laboratory Sample ID: 208881-2 Date Received.....: 02/25/2005 Time Received.....: 15:30					
ATTN: Janie Barr											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	84.5		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	15.5		0.10	0.10	1	%	45298		02/28/05 0000	rlm
8260B	Volatile Organics	ND	U	2.4	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Vinyl chloride, Solid*	ND	U	3.4	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Chloroethane, Solid*	ND	U	2.4	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	1,1-Dichloroethene, Solid*	ND	U	2.5	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Trichlorotrifluoroethane, Solid*	ND	U	2.0	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Carbon disulfide, Solid*	ND	U	2.0	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Acetone, Solid*	ND	U	2.0	12	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Methylene chloride, Solid*	ND	U	4.1	12	1.00000	ug/Kg	45476		02/28/05 2129	pam
	trans-1,2-Dichloroethene, Solid*	ND	U	1.7	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	1,1-Dichloroethane, Solid*	ND	U	1.5	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	2-Butanone (MEK), Solid*	ND	U	2.7	12	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Chloroform, Solid*	ND	U	1.3	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	1,1,1-Trichloroethane, Solid*	ND	U	1.9	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Carbon tetrachloride, Solid*	ND	U	2.5	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Benzene, Solid*	ND	U	1.7	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	1,2-Dichloroethane, Solid*	ND	U	2.1	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Trichloroethene, Solid*	ND	U	2.0	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U	1.2	12	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Toluene, Solid*	ND	U	2.0	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Tetrachloroethene, Solid*	ND	U	2.2	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	1,3-Dichloropropane, Solid*	ND	U	0.83	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Dibromochloromethane, Solid*	ND	U	0.59	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Chlorobenzene, Solid*	ND	U	1.3	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	Ethylbenzene, Solid*	ND	U	2.1	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam
	1,1,2,2-Tetrachloroethane, Solid*	ND	U	0.59	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pam

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 208881			Date:03/04/2005									
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES			PROJECT: 5555107-ATLAS			ATTN: Jamie Barr						
Customer Sample ID: CONED-USW-022305			Laboratory Sample ID: 208881-2									
Date Sampled.....: 02/23/2005			Date Received.....: 02/25/2005									
Time Sampled.....: 09:58			Time Received.....: 15:30									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,3-Trichloropropane, Solid*	ND	U		1.5	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pan
	Xylenes (total), Solid*	ND	U		5.3	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pan
	1,3-Dichlorobenzene, Solid*	ND	U		1.3	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pan
	1,4-Dichlorobenzene, Solid*	ND	U		1.1	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pan
	1,2-Dichlorobenzene, Solid*	ND	U		0.47	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pan
	1,2,4-Trichlorobenzene, Solid*	ND	U		0.83	5.9	1.00000	ug/Kg	45476		02/28/05 2129	pan

* In Description = Dry Wgt.

Job Number: 208881

LABORATORY TEST RESULTS

Date: 03/04/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: CONED-BOT1-022305

Date Sampled.....: 02/23/2005

Time Sampled.....: 10:15

Sample Matrix.....: Soil

Laboratory Sample ID: 208881-3

Date Received.....: 02/25/2005

Time Received.....: 15:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	85.2		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	14.8		0.10	0.10	1	%	45298		02/28/05 0000	rlm
82608	Volatile Organics	ND	U	2.3	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Vinyl chloride, Solid*	ND	U	3.4	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Chloroethane, Solid*	ND	U	2.3	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	1,1-Dichloroethene, Solid*	ND	U	2.5	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Trichlorotrifluoroethane, Solid*	ND	U	2.0	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Carbon disulfide, Solid*	ND	U	2.0	12	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Acetone, Solid*	ND	U	2.0	12	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Methylene chloride, Solid*	ND	U	4.1	12	1.00000	ug/Kg	45477		03/01/05 1835	pam
	trans-1,2-Dichloroethene, Solid*	ND	U	1.6	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	1,1-Dichloroethane, Solid*	ND	U	1.5	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	2-Butanone (MEK), Solid*	ND	U	2.7	12	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Chloroform, Solid*	ND	U	1.3	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	1,1,1-Trichloroethane, Solid*	ND	U	1.9	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Carbon tetrachloride, Solid*	ND	U	2.5	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Benzene, Solid*	ND	U	1.6	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	1,2-Dichloroethane, Solid*	ND	U	2.1	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Trichloroethene, Solid*	ND	U	2.0	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U	1.2	12	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Toluene, Solid*	ND	U	2.0	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Tetrachloroethene, Solid*	ND	U	2.2	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	1,3-Dichloropropane, Solid*	ND	U	0.82	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Dibromochloromethane, Solid*	ND	U	0.59	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Chlorobenzene, Solid*	ND	U	1.3	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	Ethylbenzene, Solid*	ND	U	2.1	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam
	1,1,2,2-Tetrachloroethane, Solid*	ND	U	0.59	5.9	1.00000	ug/Kg	45477		03/01/05 1835	pam

* In Description = Dry Wgt.

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Job Number: 208881 Date: 03/04/2005

L A B O R A T O R Y T E S T R E S U L T S

ATTN: Jamie Bart

PROJECT: 5555107-ATLAS

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

Customer Sample ID: COMED-BOT1-022305 Laboratory Sample ID: 208881-3
 Date Sampled.....: 02/23/2005 Date Received.....: 02/25/2005
 Time Sampled.....: 10:15 Time Received.....: 15:30
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,3-Trichloropropane, Solid*	ND	U	1.5	5.9	1.00000	ug/Kg	45477	44	03/01/05	1835 pam
	Xylenes (total), Solid*	ND	U	5.3	5.9	1.00000	ug/Kg	45477		03/01/05	1835 pam
	1,3-Dichlorobenzene, Solid*	ND	U	1.3	5.9	1.00000	ug/Kg	45477		03/01/05	1835 pam
	1,4-Dichlorobenzene, Solid*	ND	U	1.1	5.9	1.00000	ug/Kg	45477		03/01/05	1835 pam
	1,2-Dichlorobenzene, Solid*	ND	U	0.47	5.9	1.00000	ug/Kg	45477		03/01/05	1835 pam
	1,2,4-Trichlorobenzene, Solid*	ND	U	0.82	5.9	1.00000	ug/Kg	45477		03/01/05	1835 pam

* In Description = Dry Wgt.

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Job Number: 208881

Date: 03/04/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: CONED-BOT2-022305

Laboratory Sample ID: 208881-4

Date Sampled.....: 02/23/2005

Date Received.....: 02/25/2005

Time Sampled.....: 10:32

Time Received.....: 15:30

Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	87.9			0.10	0.10	1	%	45298		02/28/05 0000	rjm
	% Moisture, Solid	12.1			0.10	0.10	1	%	45298		02/28/05 0000	rjm
8260B	Volatile Organics											
	Vinyl chloride, Solid*	ND	U		2.3	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Chloroethane, Solid*	ND	U		3.3	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	1,1-Dichloroethene, Solid*	ND	U		2.3	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Trichlorotrifluoroethane, Solid*	ND	U		2.4	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Carbon disulfide, Solid*	ND	U		1.9	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Acetone, Solid*	ND	U		1.9	11	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Methylene chloride, Solid*	ND	U		4.0	11	1.00000	ug/Kg	45477		03/01/05 1444	pam
	trans-1,2-Dichloroethene, Solid*	ND	U		1.6	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	1,1-Dichloroethane, Solid*	ND	U		1.5	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	2-Butanone (MEK), Solid*	ND	U		2.6	11	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Chloroform, Solid*	ND	U		1.3	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	1,1,1-Trichloroethane, Solid*	ND	U		1.8	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Carbon tetrachloride, Solid*	ND	U		2.4	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Benzene, Solid*	ND	U		1.6	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	1,2-Dichloroethane, Solid*	1.9	U		2.0	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Trichloroethene, Solid*	2.2	U		1.9	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	4-Methyl-2-pentanone (MIBK), Solid*	2.5	U		1.1	11	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Toluene, Solid*	7.5	U		1.9	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Tetrachloroethene, Solid*		U		2.2	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	1,3-Dichloropropane, Solid*		U		0.80	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Dibromochloromethane, Solid*		U		0.57	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Chlorobenzene, Solid*		U		1.3	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	Ethylbenzene, Solid*		U		2.0	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam
	1,1,2,2-Tetrachloroethane, Solid*		U		0.57	5.7	1.00000	ug/Kg	45477		03/01/05 1444	pam

* In Description = Dry Wgt.

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Job Number: 208881

LABORATORY TEST RESULTS

Date:03/04/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: CONED-BOT2-022305

Date Sampled.....: 02/23/2005

Time Sampled.....: 10:32

Sample Matrix.....: Soil

Laboratory Sample ID: 208881-4

Date Received.....: 02/25/2005

Time Received.....: 15:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	1,2,3-Trichloropropane, Solid*	ND	U	1.5	5.7	1.00000	ug/Kg	45477	03/01/05	1444	pam
	Xylenes (total), Solid*	ND	U	5.1	5.7	1.00000	ug/Kg	45477	03/01/05	1444	pam
	1,3-Dichlorobenzene, Solid*	ND	U	1.3	5.7	1.00000	ug/Kg	45477	03/01/05	1444	pam
	1,4-Dichlorobenzene, Solid*	ND	U	1.0	5.7	1.00000	ug/Kg	45477	03/01/05	1444	pam
	1,2-Dichlorobenzene, Solid*	ND	U	0.46	5.7	1.00000	ug/Kg	45477	03/01/05	1444	pam
	1,2,4-Trichlorobenzene, Solid*	ND	U	0.80	5.7	1.00000	ug/Kg	45477	03/01/05	1444	pam

* In Description = Dry Wgt.

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* In Description = Dry Wgt.

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LABORATORY TEST RESULTS		Date: 03/11/2005
Job Number: 208881		
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES	PROJECT: 5555107-ATLAS	ATTN: Jamie Bart

Customer Sample ID: CONED-SSW-022305
 Date Sampled.....: 02/23/2005
 Time Sampled.....: 09:47
 Sample Matrix.....: Soil

Laboratory Sample ID: 208881-1
 Date Received.....: 02/25/2005
 Time Received.....: 15:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	84.1			0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	15.9			0.10	0.10	1	%	45298		02/28/05 0000	rlm
8270C	Semivolatiles Organics	ND										
	Aniline, Solid*	ND	U		86	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	Phenol, Solid*	ND	U		110	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	2-Methylphenol, Solid*	ND	U		100	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	4-Methylphenol, Solid*	ND	U		210	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	2-Chlorophenol, Solid*	ND	U		100	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	Nitrobenzene, Solid*	ND	U		46	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	Benzoic acid, Solid*	ND	U		100	1900	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	Isophorone, Solid*	ND	U		69	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	Naphthalene, Solid*	ND	U		66	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	2,4-Dichlorophenol, Solid*	ND	J		130	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	4-Chloroaniline, Solid*	ND	U		120	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		140	1900	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	2-Methylnaphthalene, Solid*	ND	U		61	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	2-Nitroaniline, Solid*	ND	U		49	1900	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		130	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		71	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	2-Nitrophenol, Solid*	ND	U		130	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	3-Nitroaniline, Solid*	ND	U		80	1900	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	Dimethyl phthalate, Solid*	ND	U		59	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	2,4-Dinitrophenol, Solid*	ND	U		130	1900	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	Acenaphthylene, Solid*	ND	U		47	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	Acenaphthene, Solid*	65	J		64	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	Dibenzofuran, Solid*	82	J		61	380	1.00000	ug/Kg	45735		03/08/05 1853	jdw
	4-Nitrophenol, Solid*	ND	U		160	1900	1.00000	ug/Kg	45735		03/08/05 1853	jdw

* In Description = Dry Wgt.

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Handwritten signature/initials: *JDW*

Job Number: 208881

LABORATORY TEST RESULTS

Date:03/11/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: S555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: CONED-SSN-022305

Date Sampled.....: 02/23/2005

Time Sampled.....: 09:47

Sample Matrix.....: Soil

Laboratory Sample ID: 208881-1

Date Received.....: 02/25/2005

Time Received.....: 15:30

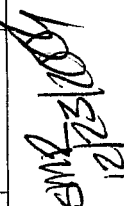
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Fluorene, Solid*	56	J		50	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Hexachlorobenzene, Solid*	ND	U		57	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Diethyl phthalate, Solid*	ND	U		57	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Pentachlorophenol, Solid*	ND	U		330	1900	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Phenanthrene, Solid*	1200			45	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Anthracene, Solid*	140	J		64	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Di-n-butyl phthalate, Solid*	ND	U		51	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Fluoranthene, Solid*	1100			49	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Pyrene, Solid*	1200			53	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Butyl benzyl phthalate, Solid*	ND	U		50	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Benzo(a)anthracene, Solid*	610			52	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Chrysene, Solid*	900			49	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	3,3-Dichlorobenzidine, Solid*	ND	U		100	760	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		51	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Di-n-octyl phthalate, Solid*	ND	U		41	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Benzo(b)fluoranthene, Solid*	490			110	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Benzo(k)fluoranthene, Solid*	340	J		43	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Benzo(a)pyrene, Solid*	450			47	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Indeno(1,2,3-cd)pyrene, Solid*	220	J		39	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Dibenzo(a,h)anthracene, Solid*	130	J		43	380	1.00000	ug/Kg	45735		03/08/05 1853	jd
	Benzo(ghi)perylene, Solid*	290	J		43	380	1.00000	ug/Kg	45735		03/08/05 1853	jd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 208881						Date:03/11/2005					
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES											
PROJECT: 5555107-ATLAS											
ATTN: Jamie Bairr											
Laboratory Sample ID: 208881-2											
Date Sampled.....: 02/23/2005											
Date Received.....: 02/25/2005											
Time Sampled.....: 09:58											
Time Received.....: 15:30											
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	84.5		0.10	0.10	1	%	45298		02/28/05	rlm
	% Moisture, Solid	15.5		0.10	0.10	1	%	45298		02/28/05	rlm
8270C	Semivolatle Organics	ND	U	85	380	1.00000	ug/Kg	45735		03/08/05	jdW
	Aniline, Solid*	ND	U	110	380	1.00000	ug/Kg	45735		03/08/05	jdW
	Phenol, Solid*	ND	U	100	380	1.00000	ug/Kg	45735		03/08/05	jdW
	2-Methylphenol, Solid*	ND	U	210	380	1.00000	ug/Kg	45735		03/08/05	jdW
	4-Methylphenol, Solid*	ND	U	99	380	1.00000	ug/Kg	45735		03/08/05	jdW
	2-Chlorophenol, Solid*	ND	U	46	380	1.00000	ug/Kg	45735		03/08/05	jdW
	Nitrobenzene, Solid*	ND	U	100	1800	1.00000	ug/Kg	45735		03/08/05	jdW
	Benzoic acid, Solid*	ND	U	69	380	1.00000	ug/Kg	45735		03/08/05	jdW
	Isophorone, Solid*	ND	U	66	380	1.00000	ug/Kg	45735		03/08/05	jdW
	Naphthalene, Solid*	ND	U	130	380	1.00000	ug/Kg	45735		03/08/05	jdW
	2,4-Dichlorophenol, Solid*	ND	U	120	380	1.00000	ug/Kg	45735		03/08/05	jdW
	4-Chloroaniline, Solid*	ND	U	140	1800	1.00000	ug/Kg	45735		03/08/05	jdW
	2,4,5-Trichlorophenol, Solid*	ND	U	61	380	1.00000	ug/Kg	45735		03/08/05	jdW
	2-Methylnaphthalene, Solid*	ND	U	48	1800	1.00000	ug/Kg	45735		03/08/05	jdW
	2-Nitroaniline, Solid*	ND	U	130	380	1.00000	ug/Kg	45735		03/08/05	jdW
	4-Chloro-3-methylphenol, Solid*	ND	U	70	380	1.00000	ug/Kg	45735		03/08/05	jdW
	2,6-Dinitrotoluene, Solid*	ND	U	130	380	1.00000	ug/Kg	45735		03/08/05	jdW
	2-Nitrophenol, Solid*	ND	U	80	1800	1.00000	ug/Kg	45735		03/08/05	jdW
	3-Nitroaniline, Solid*	ND	U	59	380	1.00000	ug/Kg	45735		03/08/05	jdW
	Dimethyl phthalate, Solid*	ND	U	130	1800	1.00000	ug/Kg	45735		03/08/05	jdW
	2,4-Dinitrophenol, Solid*	ND	U	47	380	1.00000	ug/Kg	45735		03/08/05	jdW
	Acenaphthylene, Solid*	ND	U	63	380	1.00000	ug/Kg	45735		03/08/05	jdW
	Acenaphthene, Solid*	ND	U	61	380	1.00000	ug/Kg	45735		03/08/05	jdW
	Dibenzofuran, Solid*	ND	U	160	1800	1.00000	ug/Kg	45735		03/08/05	jdW
	4-Nitrophenol, Solid*	ND	U								03/08/05

* In Description = Dry Wgt.

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 JMB
 12/23/05

LABORATORY TEST RESULTS												
Job Number: 208881			Date: 03/11/2005									
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES			ATTN: Jamie Barr									
PROJECT: 5555107-ATLAS												
Customer Sample ID: CONED-WSW-022305												
Date Sampled.....: 02/23/2005												
Time Sampled.....: 09:58												
Sample Matrix.....: Soil												
Laboratory Sample ID: 208881-2												
Date Received.....: 02/25/2005												
Time Received.....: 15:30												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Fluorene, Solid*	ND	U		50	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Hexachlorobenzene, Solid*	ND	U		56	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Diethyl phthalate, Solid*	ND	U		56	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Pentachlorophenol, Solid*	ND	U		330	1800	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Phenanthrene, Solid*	ND	U		45	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Anthracene, Solid*	ND	U		63	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Di-n-butyl phthalate, Solid*	ND	U		51	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Fluoranthene, Solid*		J		48	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Pyrene, Solid*	54	J		53	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Butyl benzyl phthalate, Solid*	54	J		50	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Benzo(a)anthracene, Solid*	ND	U		52	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Chrysene, Solid*	ND	U		48	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	3,3-Dichlorobenzidine, Solid*	ND	U		100	760	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		51	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Di-n-octyl phthalate, Solid*	ND	U		40	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Benzo(b)fluoranthene, Solid*	ND	U		110	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Benzo(k)fluoranthene, Solid*	ND	U		43	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Benzo(a)pyrene, Solid*	ND	U		47	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		39	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Dibenzo(a,h)anthracene, Solid*	ND	U		43	380	1.00000	ug/Kg	45735		03/08/05 1920	jd
	Benzo(ghi)perylene, Solid*	ND	U		43	380	1.00000	ug/Kg	45735		03/08/05 1920	jd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 208881

Date: 03/11/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: CONED-BOT1-022305
 Date Sampled.....: 02/23/2005
 Time Sampled.....: 10:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 208881-3
 Date Received.....: 02/25/2005
 Time Received.....: 15:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	85.2			0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	14.8			0.10	0.10	1	%	45298		02/28/05 0000	rlm
8270C	Semivolatile Organics											
	Aniline, Solid*	ND	U		170	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	Phenol, Solid*	ND	U		230	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	2-Methylphenol, Solid*	ND	U		210	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	4-Methylphenol, Solid*	ND	U		420	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	2-Chlorophenol, Solid*	ND	U		200	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	Nitrobenzene, Solid*	ND	U		93	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	Benzoic acid, Solid*	ND	U		210	3700	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	Isophorone, Solid*	ND	U		140	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	Naphthalene, Solid*	ND	U		130	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	2,4-Dichlorophenol, Solid*	ND	U		250	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	4-Chloroaniline, Solid*	ND	U		250	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	2,4,5-Trichlorophenol, Solid*	ND	U		280	3700	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	2-Methylnaphthalene, Solid*	ND	U		120	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	2-Nitroaniline, Solid*	ND	U		98	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	4-Chloro-3-methylphenol, Solid*	ND	U		260	3700	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	2,6-Dinitrotoluene, Solid*	ND	U		140	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	2-Nitrophenol, Solid*	ND	U		270	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	3-Nitroaniline, Solid*	ND	U		160	3700	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	Dimethyl phthalate, Solid*	ND	U		120	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	2,4-Dinitrophenol, Solid*	ND	U		270	3700	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	Acenaphthylene, Solid*	ND	J		96	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	Acenaphthene, Solid*	170	J		130	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	Dibenzofuran, Solid*	180	J		120	770	1.00000	ug/Kg	45735		03/09/05 1740	jdW
	4-Nitrophenol, Solid*	ND	U		330	3700	1.00000	ug/Kg	45735		03/09/05 1740	jdW

* In Description = Dry Wgt.

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 JLB

LABORATORY TEST RESULTS												
Job Number: 208881					Date: 03/11/2005							
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES PROJECT: 5555107-ATLAS ATTN: Jamie Barr												
Laboratory Sample ID: 208881-3												
Date Sampled.....: 02/23/2005												
Time Sampled.....: 10:15												
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Fluorene, Solid*	220	J		100	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Hexachlorobenzene, Solid*	ND	U		110	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Diethyl phthalate, Solid*	ND	U		110	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Pentachlorophenol, Solid*	ND	U		670	3700	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Phenanthrene, Solid*	3100			91	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Anthracene, Solid*	530	J		130	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Di-n-butyl phthalate, Solid*	ND	U		100	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Fluoranthene, Solid*	3900			98	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Pyrene, Solid*	3200			110	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Butyl benzyl phthalate, Solid*	ND	U		100	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Benzo(a)anthracene, Solid*	1800			98	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Chrysene, Solid*	2000			210	1500	1.00000	ug/Kg	45735		03/09/05 1740	jd
	3,3-Dichlorobenzidine, Solid*	ND	U		100	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		82	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Di-n-octyl phthalate, Solid*	ND	U		220	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Benzo(b)fluoranthene, Solid*	1400			86	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Benzo(k)fluoranthene, Solid*	1600			96	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Benzo(a)pyrene, Solid*	1700			79	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Indeno(1,2,3-cd)pyrene, Solid*	1100			86	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Dibenzo(a,h)anthracene, Solid*	390	J		86	770	1.00000	ug/Kg	45735		03/09/05 1740	jd
	Benzo(ghi)perylene, Solid*	1200			86	770	1.00000	ug/Kg	45735		03/09/05 1740	jd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 208881			Date: 03/11/2005									
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES												
PROJECT: 5555107-ATLAS												
ATTN: Jamie Barr												
Laboratory Sample ID: 208881-4												
Date Received.....: 02/25/2005												
Time Received.....: 15:30												
Customer Sample ID: CONED-BOT2-022305												
Date Sampled.....: 02/23/2005												
Time Sampled.....: 10:32												
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
ASTM D-2216	% Solids, Solid	87.9		0.10	0.10	1	%	45298		02/28/05 0000	rlm	
	% Moisture, Solid	12.1		0.10	0.10	1	%	45298		02/28/05 0000	rlm	
8270C	Semivolatiles Organics	ND	U	84	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	Aniline, Solid*	ND	U	110	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	Phenol, Solid*	ND	U	100	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	2-Methylphenol, Solid*	ND	U	200	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	4-Methylphenol, Solid*	ND	U	97	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	2-Chlorophenol, Solid*	ND	U	45	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	Nitrobenzene, Solid*	ND	U	100	1800	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	Benzoic acid, Solid*	ND	U	68	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	Isophorone, Solid*	ND	U	64	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	Naphthalene, Solid*	ND	U	120	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	2,4-Dichlorophenol, Solid*	ND	U	120	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	4-Chloroaniline, Solid*	ND	U	140	1800	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	2,4,5-Trichlorophenol, Solid*	ND	U	60	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	2-Methylnaphthalene, Solid*	ND	U	47	1800	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	2-Nitroaniline, Solid*	ND	U	130	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	4-Chloro-3-methylphenol, Solid*	ND	U	69	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	2,6-Dinitrotoluene, Solid*	ND	U	130	1800	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	2-Nitrophenol, Solid*	ND	U	78	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	3-Nitroaniline, Solid*	ND	U	58	1800	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	Dimethyl phthalate, Solid*	ND	U	130	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	2,4-Dinitrophenol, Solid*	ND	U	46	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	Acenaphthylene, Solid*	ND	U	62	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	Acenaphthene, Solid*	ND	U	60	370	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	Dibenzofuran, Solid*	ND	U	160	1800	1.00000	ug/Kg	45735		03/08/05 2013	jdW	
	4-Nitrophenol, Solid*	ND	U									

* In Description = Dry Wgt.

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Job Number: 208881 LABORATORY TEST RESULTS Date: 03/11/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: CONED-BOT2-022305

Laboratory Sample ID: 208881-4

Date Sampled.....: 02/23/2005

Date Received.....: 02/25/2005

Time Sampled.....: 10:32

Time Received.....: 15:30

Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Fluorene, Solid*	ND	U		49	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Hexachlorobenzene, Solid*	ND	U		55	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Diethyl phthalate, Solid*	ND	U		55	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Pentachlorophenol, Solid*	ND	U		330	1800	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Phenanthrene, Solid*	490			44	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Anthracene, Solid*	84	J		62	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Di-n-butyl phthalate, Solid*	ND	U		50	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Fluoranthene, Solid*	780			47	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Pyrene, Solid*	740			52	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Butyl benzyl phthalate, Solid*	420	U		49	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Benzo(a)anthracene, Solid*	520			51	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Chrysene, Solid*	ND	U		47	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	3,3-Dichlorobenzidine, Solid*	88	J		100	750	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		50	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Di-n-octyl phthalate, Solid*	430	U		40	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Benzo(b)fluoranthene, Solid*	280			110	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Benzo(k)fluoranthene, Solid*	400	J		42	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Benzo(a)pyrene, Solid*	220	J		46	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Indeno(1,2,3-cd)pyrene, Solid*	110	J		38	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Dibenzo(a,h)anthracene, Solid*	240	J		42	370	1.00000	ug/Kg	45735		03/08/05 2013	jd
	Benzo(ghi)perylene, Solid*				42	370	1.00000	ug/Kg	45735		03/08/05 2013	jd

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 208881

Date: 03/04/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Janie Barr

Customer Sample ID: CONED-SSW-022305
 Date Sampled.....: 02/23/2005
 Time Sampled.....: 09:47
 Sample Matrix.....: Soil

Laboratory Sample ID: 208881-1
 Date Received.....: 02/25/2005
 Time Received.....: 15:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	84.1		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	15.9		0.10	0.10	1	%	45298		02/28/05 0000	rlm
8081A	Organochlorine Pesticide Analysis										
	alpha-BHC, Solid*	ND	U	0.32	2.0	1.00000	ug/Kg	45525		03/01/05 0514	mds
	beta-BHC, Solid*	ND	U	0.31	2.0	1.00000	ug/Kg	45525		03/01/05 0514	mds
	delta-BHC, Solid*	ND	U	0.12	2.0	1.00000	ug/Kg	45525		03/01/05 0514	mds
	gamma-BHC (Lindane), Solid*	ND	U	0.18	2.0	1.00000	ug/Kg	45525		03/01/05 0514	mds
	Heptachlor, Solid*	ND	U	0.18	2.0	1.00000	ug/Kg	45525		03/01/05 0514	mds
	Aldrin, Solid*	0.73	J	0.42	2.3	1.00000	ug/Kg	45525		03/01/05 0514	mds
	Heptachlor epoxide, Solid*	6.1	U	0.13	2.0	1.00000	ug/Kg	45526		03/01/05 0514	mds
	Endosulfan I, Solid*		U	0.17	2.0	1.00000	ug/Kg	45525		03/01/05 0514	mds
	Dieldrin, Solid*		U	0.38	3.9	1.00000	ug/Kg	45525		03/01/05 0514	mds
	4,4'-DDE, Solid*		U	0.51	3.9	1.00000	ug/Kg	45525		03/01/05 0514	mds
	Endrin, Solid*		U	1.0	5.9	1.00000	ug/Kg	45525		03/01/05 0514	mds
	Endosulfan II, Solid*		U	0.20	3.9	1.00000	ug/Kg	45526		03/01/05 0514	mds
	4,4'-DDT, Solid*		U	0.45	3.9	1.00000	ug/Kg	45525		03/01/05 0514	mds
	Endosulfan sulfate, Solid*		U	0.20	3.9	1.00000	ug/Kg	45526		03/01/05 0514	mds
	4,4'-DDT, Solid*		J	0.36	20	1.00000	ug/Kg	45525		03/01/05 0514	mds
	Methoxychlor, Solid*		U	2.5		1.00000	ug/Kg	45525		03/01/05 0514	mds
	alpha-Chlordane, Solid*	2.6	U	0.13	2.0	1.00000	ug/Kg	45525		03/01/05 0514	mds
	gamma-Chlordane, Solid*		U	0.11	2.0	1.00000	ug/Kg	45525		03/01/05 0514	mds
	Endrin ketone, Solid*		U	0.17	3.9	1.00000	ug/Kg	45525		03/01/05 0514	mds

* In Description = Dry Wgt.

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208881-1
 02/28/05

Job Number: 208881

LABORATORY TEST RESULTS

Date: 03/04/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: CONED-WSW-022305

Date Sampled.....: 02/23/2005

Time Sampled.....: 09:58

Sample Matrix.....: Soil

Laboratory Sample ID: 208881-2

Date Received.....: 02/25/2005

Time Received.....: 15:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	84.5		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	15.5		0.10	0.10	1	%	45298		02/28/05 0000	rlm
8081A	Organochlorine Pesticide Analysis										
	alpha-BHC, Solid*	ND	U	0.32	2.0	1.00000	ug/Kg	45525		03/01/05 0552	mds
	beta-BHC, Solid*	ND	U	0.31	2.0	1.00000	ug/Kg	45525		03/01/05 0552	mds
	delta-BHC, Solid*	ND	U	0.12	2.0	1.00000	ug/Kg	45525		03/01/05 0552	mds
	gamma-BHC (Lindane), Solid*	ND	U	0.18	2.0	1.00000	ug/Kg	45525		03/01/05 0552	mds
	Heptachlor, Solid*	ND	U	0.17	2.0	1.00000	ug/Kg	45525		03/01/05 0552	mds
	Aldrin, Solid*	ND	U	0.41	2.3	1.00000	ug/Kg	45525		03/01/05 0552	mds
	Heptachlor epoxide, Solid*		U	0.13	2.0	1.00000	ug/Kg	45525		03/01/05 0552	mds
	Endosulfan I, Solid*	0.14	U	0.17	2.0	1.00000	ug/Kg	45525		03/01/05 0552	mds
	Dieldrin, Solid*	ND	U	0.37	3.8	1.00000	ug/Kg	45525		03/01/05 0552	mds
	4,4'-DDE, Solid*	ND	U	0.51	3.8	1.00000	ug/Kg	45525		03/01/05 0552	mds
	Endrin, Solid*	ND	U	1.0	5.8	1.00000	ug/Kg	45525		03/01/05 0552	mds
	Endosulfan II, Solid*	ND	U	0.20	3.8	1.00000	ug/Kg	45525		03/01/05 0552	mds
	4,4'-DDD, Solid*	ND	U	0.44	3.8	1.00000	ug/Kg	45525		03/01/05 0552	mds
	Endosulfan sulfate, Solid*	ND	U	0.20	3.8	1.00000	ug/Kg	45525		03/01/05 0552	mds
	4,4'-DDT, Solid*	ND	U	0.36	3.8	1.00000	ug/Kg	45525		03/01/05 0552	mds
	Methoxychlor, Solid*	ND	U	2.5	20	1.00000	ug/Kg	45525		03/01/05 0552	mds
	alpha-Chlordane, Solid*	ND	U	0.13	2.0	1.00000	ug/Kg	45525		03/01/05 0552	mds
	gamma-Chlordane, Solid*	ND	U	0.11	2.0	1.00000	ug/Kg	45525		03/01/05 0552	mds
	Endrin ketone, Solid*	ND	U	0.17	3.8	1.00000	ug/Kg	45525		03/01/05 0552	mds

* In Description = Dry Wgt.

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 12/23/05
 SMM

LABORATORY TEST RESULTS

Date: 03/04/2005

Job Number: 208881

ATTN: Jamie Barr

PROJECT: 5555107-ATLAS

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

Customer Sample ID: CONED-BOT1-022305
 Date Sampled.....: 02/23/2005
 Time Sampled.....: 10:15
 Sample Matrix.....: Soil

Laboratory Sample ID: 208881-3
 Date Received.....: 02/25/2005
 Time Received.....: 15:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	85.2		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	14.8		0.10	0.10	1	%	45298		02/28/05 0000	rlm
8081A	Organochlorine Pesticide Analysis						ug/Kg	45525		03/01/05 1457	mds
	alpha-BHC, Solid*	ND	U	0.32	1.9	1.00000	ug/Kg	45526		03/01/05 1457	mds
	beta-BHC, Solid*	1.9	U	0.31	1.9	1.00000	ug/Kg	45525		03/01/05 1457	mds
	delta-BHC, Solid*	ND	U	0.12	1.9	1.00000	ug/Kg	45525		03/01/05 1457	mds
	gamma-BHC (lindane), Solid*	0.33	U	0.17	1.9	1.00000	ug/Kg	45526		03/01/05 1457	mds
	Heptachlor, Solid*	0.28	U	0.17	1.9	1.00000	ug/Kg	45525		03/01/05 1457	mds
	Aldrin, Solid*	ND	U	0.41	2.3	1.00000	ug/Kg	45525		03/01/05 1457	mds
	Heptachlor epoxide, Solid*	3.0	U	0.13	1.9	1.00000	ug/Kg	45525		03/01/05 1457	mds
	Endosulfan I, Solid*	ND	U	0.17	1.9	1.00000	ug/Kg	45525		03/01/05 1457	mds
	Dieldrin, Solid*	ND	U	0.37	3.8	1.00000	ug/Kg	45525		03/01/05 1457	mds
	4,4'-DDE, Solid*	ND	U	0.50	3.8	1.00000	ug/Kg	45525		03/01/05 1457	mds
	Endrin, Solid*	ND	U	1.0	5.7	1.00000	ug/Kg	45526		03/01/05 1457	mds
	Endosulfan II, Solid*	ND	U	0.19	3.8	1.00000	ug/Kg	45525		03/01/05 1457	mds
	4,4'-DDD, Solid*	ND	U	0.44	3.8	1.00000	ug/Kg	45526		03/01/05 1457	mds
	Endosulfan sulfate, Solid*	8.0	U	0.20	3.8	1.00000	ug/Kg	45526		03/01/05 1457	mds
	4,4'-DDT, Solid*	18	U	0.35	19	1.00000	ug/Kg	45525		03/01/05 1457	mds
	Methoxychlor, Solid*	ND	U	2.4	1.9	1.00000	ug/Kg	45525		03/01/05 1457	mds
	alpha-Chlordane, Solid*	ND	U	0.13	1.9	1.00000	ug/Kg	45525		03/01/05 1457	mds
	gamma-Chlordane, Solid*	ND	U	0.10	1.9	1.00000	ug/Kg	45525		03/01/05 1457	mds
	Endrin ketone, Solid*	ND	U	0.17	3.8	1.00000	ug/Kg	45525		03/01/05 1457	mds

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 208881

Date: 03/04/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: CONED-BOT2-022305

Date Sampled.....: 02/23/2005

Time Sampled.....: 10:32

Sample Matrix.....: Soil

Laboratory Sample ID: 208881-4

Date Received.....: 02/25/2005

Time Received.....: 15:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	87.9		0.10	0.10	1	%	45298		02/28/05 0000	r lm
	% Moisture, Solid	12.1		0.10	0.10	1	%	45298		02/28/05 0000	r lm
8081A	Organochlorine Pesticide Analysis										
	alpha-BHC, Solid*	ND	U	0.31	1.9	1.00000	ug/Kg	45525		03/01/05 1613	mds
	beta-BHC, Solid*	1.94	J	0.30	1.9	1.00000	ug/Kg	45526		03/01/05 1613	mds
	delta-BHC, Solid*	ND	U	0.12	1.9	1.00000	ug/Kg	45525		03/01/05 1613	mds
	gamma-BHC (Lindane), Solid*	ND	U	0.17	1.9	1.00000	ug/Kg	45525		03/01/05 1613	mds
	Heptachlor, Solid*	0.26	J	0.17	1.9	1.00000	ug/Kg	45525		03/01/05 1613	mds
	Aldrin, Solid*	ND	U	0.40	2.3	1.00000	ug/Kg	45525		03/01/05 1613	mds
	Heptachlor epoxide, Solid*	1.94	J	0.13	1.9	1.00000	ug/Kg	45525		03/01/05 1613	mds
	Endosulfan I, Solid*	ND	U	0.17	1.9	1.00000	ug/Kg	45525		03/01/05 1613	mds
	Dieldrin, Solid*	ND	U	0.36	3.7	1.00000	ug/Kg	45525		03/01/05 1613	mds
	4,4'-DDE, Solid*	ND	U	0.49	3.7	1.00000	ug/Kg	45525		03/01/05 1613	mds
	Endrin, Solid*	ND	U	1.0	5.6	1.00000	ug/Kg	45525		03/01/05 1613	mds
	Endosulfan II, Solid*	ND	U	0.19	3.7	1.00000	ug/Kg	45525		03/01/05 1613	mds
	4,4'-DDD, Solid*	ND	U	0.43	3.7	1.00000	ug/Kg	45525		03/01/05 1613	mds
	Endosulfan sulfate, Solid*	ND	U	0.19	3.7	1.00000	ug/Kg	45526		03/01/05 1613	mds
	4,4'-DDT, Solid*	7.2	J	0.35	3.7	1.00000	ug/Kg	45525		03/01/05 1613	mds
	Methoxychlor, Solid*	12	J	2.4	19	1.00000	ug/Kg	45525		03/01/05 1613	mds
	alpha-Chlordane, Solid*	1.6	J	0.12	1.9	1.00000	ug/Kg	45525		03/01/05 1613	mds
	gamma-Chlordane, Solid*	ND	U	0.10	1.9	1.00000	ug/Kg	45525		03/01/05 1613	mds
	Endrin ketone, Solid*	ND	U	0.16	3.7	1.00000	ug/Kg	45525		03/01/05 1613	mds

* In Description = Dry Wgt.

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SMW
12/23/2004

LABORATORY TEST RESULTS												
Job Number: 208881			Date:03/02/2005									
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES			ATTN: Jamie Barr									
PROJECT: 5555107-ATLAS												
Customer Sample ID: CONED-SSW-022305			Laboratory Sample ID: 208881-1									
Date Sampled.....: 02/23/2005			Date Received.....: 02/25/2005									
Time Sampled.....: 09:47			Time Received.....: 15:30									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DI	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	84.1			0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	15.9			0.10	0.10	1	%	45298		02/28/05 0000	rlm
8082	PCB Analysis											
	Aroclor 1016, Solid*	ND		U	3.3	20	1.00000	ug/Kg	45412		03/01/05 1451	mbe
	Aroclor 1221, Solid*	ND		U	1.8	39	1.00000	ug/Kg	45412		03/01/05 1451	mbe
	Aroclor 1232, Solid*	ND		U	2.2	20	1.00000	ug/Kg	45412		03/01/05 1451	mbe
	Aroclor 1242, Solid*	ND		U	3.5	20	1.00000	ug/Kg	45412		03/01/05 1451	mbe
	Aroclor 1248, Solid*	ND		U	3.1	20	1.00000	ug/Kg	45412		03/01/05 1451	mbe
	Aroclor 1254, Solid*	ND	54		U	1.4	20	1.00000	ug/Kg	45428		03/01/05 1451
	Aroclor 1260, Solid*	ND		U	4.7	20	1.00000	ug/Kg	45412		03/01/05 1451	mbe

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 208881		Date:03/02/2005									
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES											
PROJECT: 555107-ATLAS											
ATTN: Jamie Barr											
Laboratory Sample ID: 208881-2											
Date Sampled.....: 02/23/2005											
Date Received.....: 02/25/2005											
Time Sampled.....: 09:58											
Time Received.....: 15:30											
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	84.5		0.10	0.10	1	%	45298		02/28/05	rlm
	% Moisture, Solid	15.5		0.10	0.10	1	%	45298		02/28/05	rlm
8082	PCB Analysis		U	3.3	20	1.00000	ug/Kg	45412		03/01/05	mbe
	Aroclor 1016, Solid*	ND	U	1.8	38	1.00000	ug/Kg	45412		03/01/05	mbe
	Aroclor 1221, Solid*	ND	U	2.2	20	1.00000	ug/Kg	45412		03/01/05	mbe
	Aroclor 1232, Solid*	ND	U	3.5	20	1.00000	ug/Kg	45412		03/01/05	mbe
	Aroclor 1242, Solid*	ND	U	3.1	20	1.00000	ug/Kg	45412		03/01/05	mbe
	Aroclor 1248, Solid*	ND	U	1.4	20	1.00000	ug/Kg	45412		03/01/05	mbe
	Aroclor 1254, Solid*	ND	U	4.6	20	1.00000	ug/Kg	45412		03/01/05	mbe
	Aroclor 1260, Solid*	ND	U		20	1.00000	ug/Kg	45412		03/01/05	mbe

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 208881

Date: 03/02/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: CONED-BO11-022305

Laboratory Sample ID: 208881-3

Date Sampled.....: 02/23/2005

Date Received.....: 02/25/2005

Time Sampled.....: 10:15

Time Received.....: 15:30

Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	85.2		0.10	0.10	1	%	45298		02/28/05 0000	r.lm
	% Moisture, Solid	14.8		0.10	0.10	1	%	45298		02/28/05 0000	r.lm
8082	PCB Analysis	ND	U	3.2	19	1.00000	ug/Kg	45412		03/01/05 1525	mbe
	Aroclor 1016, Solid*	ND	U	1.8	38	1.00000	ug/Kg	45412		03/01/05 1525	mbe
	Aroclor 1221, Solid*	ND	U	2.1	19	1.00000	ug/Kg	45412		03/01/05 1525	mbe
	Aroclor 1232, Solid*	ND	U	3.4	19	1.00000	ug/Kg	45412		03/01/05 1525	mbe
	Aroclor 1242, Solid*	ND	U	3.1	19	1.00000	ug/Kg	45412		03/01/05 1525	mbe
	Aroclor 1248, Solid*	52	U	1.4	19	1.00000	ug/Kg	45412		03/01/05 1525	mbe
	Aroclor 1254, Solid*	54	U	4.6	19	1.00000	ug/Kg	45412		03/01/05 1525	mbe
	Aroclor 1260, Solid*										

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 208881						Date:03/07/2005					
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES						ATTN: Jamie Barr					
PROJECT: 555107-ATLAS											
Customer Sample ID: CONED-BOT2-022305						Laboratory Sample ID: 208881-4					
Date Sampled.....: 02/23/2005						Date Received.....: 02/25/2005					
Time Sampled.....: 10:32						Time Received.....: 15:30					
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	87.9		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	12.1		0.10	0.10	1	%	45298		02/28/05 0000	rlm
8082	PCB Analysis										
	Aroclor 1016, Solid*	ND	U	3.2	19	1.00000	ug/Kg	45412		03/01/05 1541	mbe
	Aroclor 1221, Solid*	ND	U	1.7	37	1.00000	ug/Kg	45412		03/01/05 1541	mbe
	Aroclor 1232, Solid*	ND	U	2.1	19	1.00000	ug/Kg	45412		03/01/05 1541	mbe
	Aroclor 1242, Solid*	ND	U	3.4	19	1.00000	ug/Kg	45412		03/01/05 1541	mbe
	Aroclor 1248, Solid*	ND	U	3.0	19	1.00000	ug/Kg	45412		03/01/05 1541	mbe
	Aroclor 1254, Solid*	40		1.4	19	1.00000	ug/Kg	45412		03/01/05 1541	mbe
	Aroclor 1260, Solid*	27		4.5	19	1.00000	ug/Kg	45412		03/01/05 1541	mbe

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 208881											
Date:03/07/2005											
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES											
PROJECT: 5555107-ATLAS											
ATTN: Jamie Barr											
Laboratory Sample ID: 208881-1											
Date Received.....: 02/25/2005											
Time Received.....: 15:30											
Customer Sample ID: CONED-SSW-022305											
Date Sampled.....: 02/23/2005											
Time Sampled.....: 09:47											
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	84.1		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	15.9		0.10	0.10	1	%	45298		02/28/05 0000	rlm
7471A	Mercury (CVAA) Solids	0.14		0.014	0.048	1.0000	mg/Kg	45541		03/04/05 1443	rlm
	Mercury, Solid*										rlm
6010B	Metals Analysis (ICAP Trace)										rlm
	Aluminum, Solid*	7800		27.0	349	1	mg/Kg	45584		03/07/05 1102	rlm
	Antimony, Solid*	3.8		1.5	15.8	1	mg/Kg	45584		03/07/05 1102	rlm
	Arsenic, Solid*	15.9		1.6	10.8	1	mg/Kg	45584		03/07/05 1102	rlm
	Barium, Solid*	101		0.25	2.7	1	mg/Kg	45584		03/07/05 1102	rlm
	Beryllium, Solid*			0.68	2.7	1	mg/Kg	45584		03/07/05 1102	rlm
	Cadmium, Solid*			1.4	4.1	1	mg/Kg	45584		03/07/05 1102	rlm
	Calcium, Solid*	2830		15.7	115	1	mg/Kg	45584		03/07/05 1102	rlm
	Chromium, Solid*	15.2		0.46	4.1	1	mg/Kg	45584		03/07/05 1102	rlm
	Cobalt, Solid*	9.7		0.57	2.7	1	mg/Kg	45584		03/07/05 1102	rlm
	Copper, Solid*	52.6		1.1	6.8	1	mg/Kg	45584		03/07/05 1102	rlm
	Iron, Solid*	19500		13.8	196	1	mg/Kg	45584		03/07/05 1102	rlm
	Lead, Solid*	286		1.0	12.2	1	mg/Kg	45584		03/07/05 1102	rlm
	Magnesium, Solid*	1720		12.4	47.3	1	mg/Kg	45584		03/07/05 1102	rlm
	Manganese, Solid*	277		0.86	3.4	1	mg/Kg	45584		03/07/05 1102	rlm
	Nickel, Solid*	17.7		0.59	6.8	1	mg/Kg	45584		03/07/05 1102	rlm
	Potassium, Solid*	566		54.0	270	1	mg/Kg	45584		03/07/05 1102	rlm
	Selenium, Solid*	2.2		2.2	21.6	1	mg/Kg	45584		03/07/05 1102	rlm
	Silver, Solid*			0.43	4.1	1	mg/Kg	45584		03/07/05 1102	rlm
	Sodium, Solid*	158		27.0	127	1	mg/Kg	45584		03/07/05 1102	rlm
Thallium, Solid*			2.7	2.7	1	mg/Kg	45584		03/07/05 1102	rlm	
Vanadium, Solid*	30.2		0.49	5.4	1	mg/Kg	45584		03/07/05 1102	rlm	

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS														
Job Number: 208881					Date: 03/07/2005									
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES					PROJECT: 555107-ATLAS					ATTN: Jamie Barr				
Customer Sample ID: COMED-SSW-022305 Date Sampled.....: 02/23/2005 Time Sampled.....: 09:47 Sample Matrix.....: Soil					Laboratory Sample ID: 208881-1 Date Received.....: 02/25/2005 Time Received.....: 15:30									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH			
	Zinc, Solid*	196		5.1	27.0	1	mg/Kg	45584		03/07/05 1102	hnp			

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS									
Job Number: 208881		Date:03/07/2005							
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES									
PROJECT: 555107-ATLAS									
ATTN: Jamie Barr									
Laboratory Sample ID: 208881-2									
Date Received.....: 02/25/2005									
Time Received.....: 15:30									
Sample Matrix.....: Soil									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT DATE/TIME
ASTM D-2216	% Solids, Solid	84.5		0.10	0.10	1	%	45298	02/28/05 0000
	% Moisture, Solid	15.5		0.10	0.10	1	%	45298	02/28/05 0000
7471A	Mercury (CVAA) Solids	0.13		0.015	0.049	1.0000	mg/Kg	45541	03/04/05 1446
	Mercury, Solid*								
6010B	Metals Analysis (ICAP Trace)								
	Aluminum, Solid*	10800		26.9	347	1	mg/Kg	45584	03/07/05 1144
	Antimony, Solid*	ND	U	1.5	15.7	1	mg/Kg	45584	03/07/05 1144
	Arsenic, Solid*	4.2		1.6	10.8	1	mg/Kg	45584	03/07/05 1144
	Barium, Solid*	67.1		0.25	2.7	1	mg/Kg	45584	03/07/05 1144
	Beryllium, Solid*	ND	U	0.67	2.7	1	mg/Kg	45584	03/07/05 1144
	Cadmium, Solid*	ND	U	1.3	4.0	1	mg/Kg	45584	03/07/05 1144
	Calcium, Solid*	1340		15.6	114	1	mg/Kg	45584	03/07/05 1144
	Chromium, Solid*	20.8		0.46	4.0	1	mg/Kg	45584	03/07/05 1144
	Cobalt, Solid*	6.0		0.56	2.7	1	mg/Kg	45584	03/07/05 1144
	Copper, Solid*	13.8		1.1	6.7	1	mg/Kg	45584	03/07/05 1144
	Iron, Solid*	17200		13.7	195	1	mg/Kg	45584	03/07/05 1144
	Lead, Solid*	19.7		1.0	12.1	1	mg/Kg	45584	03/07/05 1144
	Magnesium, Solid*	2640		12.4	47.1	1	mg/Kg	45584	03/07/05 1144
	Manganese, Solid*	381		0.86	3.4	1	mg/Kg	45584	03/07/05 1144
	Nickel, Solid*	13.8		0.59	6.7	1	mg/Kg	45584	03/07/05 1144
	Potassium, Solid*	521		53.8	269	1	mg/Kg	45584	03/07/05 1144
	Selenium, Solid*	ND	U	2.2	21.5	1	mg/Kg	45584	03/07/05 1144
	Silver, Solid*	ND	U	0.43	4.0	1	mg/Kg	45584	03/07/05 1144
	Sodium, Solid*	204		26.9	126	1	mg/Kg	45584	03/07/05 1144
Thallium, Solid*	ND	U	2.7	2.7	1	mg/Kg	45584	03/07/05 1144	
Vanadium, Solid*	27.7		0.48	5.4	1	mg/Kg	45584	03/07/05 1144	

* In Description = Dry Wgt.

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Job Number: 208881		Date: 03/07/2005	
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES		ATTN: Jamie Barr	
PROJECT: 5555107-ATLAS			

Customer Sample ID: CONED-USW-022305
 Date Sampled.....: 02/23/2005
 Time Sampled.....: 09:58
 Sample Matrix.....: Soil

Laboratory Sample ID: 208881-2
 Date Received.....: 02/25/2005
 Time Received.....: 15:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	28.7		5.1	26.9	1	mg/Kg	45584		03/07/05 1144	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 208881 Date: 03/07/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES ATTN: Jamie Bari

PROJECT: 555107-ATLAS

Laboratory Sample ID: 208881-3
 Date Received: 02/25/2005
 Time Received: 15:30

Customer Sample ID: CONED-B011-022305
 Date Sampled: 02/23/2005
 Time Sampled: 10:15
 Sample Matrix: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	85.2		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	14.8		0.10	0.10	1	%	45298		02/28/05 0000	rlm
7471A	Mercury (CVAA) Solids	0.38		0.013	0.042	1.0000	mg/Kg	45541	LD	03/04/05 1448	nnp
6010B	Mercury, Solid*										
	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	7460		28.2	364	1	mg/Kg	45584		03/07/05 1150	nnp
	Antimony, Solid*	ND		1.6	16.5	1	mg/Kg	45584		03/07/05 1150	nnp
	Arsenic, Solid*	9.9		1.7	11.3	1	mg/Kg	45584		03/07/05 1150	nnp
	Barium, Solid*	125		0.26	2.8	1	mg/Kg	45584		03/07/05 1150	nnp
	Beryllium, Solid*	ND		0.71	2.8	1	mg/Kg	45584		03/07/05 1150	nnp
	Cadmium, Solid*	ND		1.4	4.2	1	mg/Kg	45584		03/07/05 1150	nnp
	Calcium, Solid*	9190		16.4	120	1	mg/Kg	45584		03/07/05 1150	nnp
	Chromium, Solid*	22.2		0.48	4.2	1	mg/Kg	45584		03/07/05 1150	nnp
	Cobalt, Solid*	6.2		0.59	2.8	1	mg/Kg	45584		03/07/05 1150	nnp
	Copper, Solid*	68.0		1.1	7.1	1	mg/Kg	45584		03/07/05 1150	nnp
	Iron, Solid*	15600		14.4	205	1	mg/Kg	45584		03/07/05 1150	nnp
	Lead, Solid*	143		1.1	12.7	1	mg/Kg	45584		03/07/05 1150	nnp
	Magnesium, Solid*	3710		13.0	49.4	1	mg/Kg	45584		03/07/05 1150	nnp
	Manganese, Solid*	333		0.90	3.5	1	mg/Kg	45584		03/07/05 1150	nnp
	Nickel, Solid*	37.1		0.62	7.1	1	mg/Kg	45584		03/07/05 1150	nnp
	Potassium, Solid*	613		56.4	282	1	mg/Kg	45584		03/07/05 1150	nnp
	Selenium, Solid*	ND		2.3	22.6	1	mg/Kg	45584		03/07/05 1150	nnp
	Silver, Solid*	ND		0.45	4.2	1	mg/Kg	45584		03/07/05 1150	nnp
	Sodium, Solid*	150		28.2	133	1	mg/Kg	45584		03/07/05 1150	nnp
	Thallium, Solid*	ND		2.8	2.8	1	mg/Kg	45584		03/07/05 1150	nnp
	Vanadium, Solid*	74.2		0.51	5.6	1	mg/Kg	45584		03/07/05 1150	nnp

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 208881					Date: 03/07/2005						
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES PROJECT: 5555107-ATLAS ATTN: Jamie Barr											
Laboratory Sample ID: 208881-3 Date Received: 02/25/2005 Time Received: 15:30											
Customer Sample ID: CONED-BOT1-022305 Date Sampled: 02/23/2005 Time Sampled: 10:15 Sample Matrix: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	188		5.4	28.2	1	mg/Kg	45584		03/07/05 1150	mrp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 208881		Date: 03/07/2005									
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES											
PROJECT: 5555107-ATLAS											
ATTN: Jamie Barr											
Laboratory Sample ID: 208881-4											
Date Received.....: 02/25/2005											
Time Received.....: 15:30											
Customer Sample ID: CONED-BOT2-022305											
Date Sampled.....: 02/23/2005											
Time Sampled.....: 10:52											
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	87.9		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	12.1		0.10	0.10	1	%	45298		02/28/05 0000	rlm
7471A	Mercury (CVAA) Solids	0.20		0.013	0.044	1.0000	mg/Kg	45541	13	03/04/05 1449	nnp
6010B	Mercury, Solid*										
	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	6890		24.7	319	1	mg/Kg	45584		03/07/05 1156	nnp
	Antimony, Solid*	1.8		1.4	14.5	1	mg/Kg	45584		03/07/05 1156	nnp
	Arsenic, Solid*	6.0		1.5	9.9	1	mg/Kg	45584		03/07/05 1156	nnp
	Barium, Solid*	57.8		0.23	2.5	1	mg/Kg	45584		03/07/05 1156	nnp
	Beryllium, Solid*			0.62	2.5	1	mg/Kg	45584		03/07/05 1156	nnp
	Cadmium, Solid*			1.2	3.7	1	mg/Kg	45584		03/07/05 1156	nnp
	Calcium, Solid*	4470		14.3	105	1	mg/Kg	45584		03/07/05 1156	nnp
	Chromium, Solid*	15.9		0.42	3.7	1	mg/Kg	45584		03/07/05 1156	nnp
	Cobalt, Solid*	5.0		0.52	2.5	1	mg/Kg	45584		03/07/05 1156	nnp
	Copper, Solid*	41.9		0.99	6.2	1	mg/Kg	45584		03/07/05 1156	nnp
	Iron, Solid*	12100		12.6	179	1	mg/Kg	45584		03/07/05 1156	nnp
	Lead, Solid*	91.7		0.94	11.1	1	mg/Kg	45584		03/07/05 1156	nnp
	Magnesium, Solid*	2000		11.4	43.3	1	mg/Kg	45584		03/07/05 1156	nnp
	Manganese, Solid*	272		0.79	3.1	1	mg/Kg	45584		03/07/05 1156	nnp
	Nickel, Solid*	16.7		0.54	6.2	1	mg/Kg	45584		03/07/05 1156	nnp
	Potassium, Solid*	497		49.5	247	1	mg/Kg	45584		03/07/05 1156	nnp
	Selenium, Solid*			2.0	19.8	1	mg/Kg	45584		03/07/05 1156	nnp
	Silver, Solid*			0.40	3.7	1	mg/Kg	45584		03/07/05 1156	nnp
	Sodium, Solid*	100		24.7	116	1	mg/Kg	45584		03/07/05 1156	nnp
	Thallium, Solid*			2.4	2.5	1	mg/Kg	45584		03/07/05 1156	nnp
	Vanadium, Solid*	28.1		0.45	4.9	1	mg/Kg	45584		03/07/05 1156	nnp

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 208881					Date: 03/07/2005							
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES					ATTN: Jamie Barr							
PROJECT: 5555107-ATLAS												
Customer Sample ID: CONED-B012-022305 Date Sampled.....: 02/23/2005 Time Sampled.....: 10:32 Sample Matrix.....: Soil					Laboratory Sample ID: 208881-4 Date Received.....: 02/25/2005 Time Received.....: 15:30							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, solid*	84.5			4.7	24.7	1	mg/Kg	45584		03/07/05 1156	nnp

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 208881						Date:03/07/2005						
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES						PROJECT: 555107-ATLAS						
Customer Sample ID: CONED-SSW-022305 Date Sampled.....: 02/23/2005 Time Sampled.....: 09:47 Sample Matrix.....: Soil						Laboratory Sample ID: 208881-1 Date Received.....: 02/25/2005 Time Received.....: 15:30						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216 9012	% Solids, Solid	84.1			0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	15.9			0.10	0.10	1	%	45298		02/28/05 0000	rlm
	Cyanide (Colorimetric) Cyanide, Total, Solid*	79.5	B		30.8	572	1.0	ug/Kg	45395		03/02/05 1112	dtn

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS												
Job Number: 208881					Date: 03/07/2005							
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES					PROJECT: 5555107-ATLAS							
Customer Sample ID: CONED-USW-022305 Date Sampled.....: 02/23/2005 Time Sampled.....: 09:58 Sample Matrix.....: Soil					Laboratory Sample ID: 208881-2 Date Received.....: 02/25/2005 Time Received.....: 15:30							
ATTN: Jamie Barr												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	84.5			0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	15.5			0.10	0.10	1	%	45298		02/28/05 0000	rlm
9012	Cyanide (Colorimetric)	ND			31.5	586	1.0	ug/Kg	45395		03/02/05 1113	dtm
	Cyanide, Total, Solid*			U								

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS											
Job Number: 208881					Date: 03/07/2005						
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES					PROJECT: 555107-ATLAS						
Customer Sample ID: CONED-BOT1-022305 Date Sampled.....: 02/23/2005 Time Sampled.....: 10:15 Sample Matrix.....: Soil					Laboratory Sample ID: 208881-3 Date Received.....: 02/25/2005 Time Received.....: 15:30						
ATTN: Jamie Barr											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	85.2		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	14.8		0.10	0.10	1	%	45298		02/28/05 0000	rlm
9012	Cyanide (Colorimetric)	ND	U	30.7	570	1.0	ug/Kg	45395		03/02/05 1114	dtm
	Cyanide, Total, Solid*										

* In Description = Dry Wgt.

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SMV
12/23/2004

LABORATORY TEST RESULTS											
Job Number: 208881					Date: 03/07/2005						
CUSTOMER: LANGAN ENVIRONMENTAL SERVICES					PROJECT: 5555107-ATLAS						
Customer Sample ID: CONED-BOT2-022305 Date Sampled.....: 02/23/2005 Time Sampled.....: 10:32 Sample Matrix.....: Soil					Laboratory Sample ID: 208881-4 Date Received.....: 02/25/2005 Time Received.....: 15:30						
ATTN: Jamie Barr											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
ASTM D-2216	% Solids, Solid	87.9		0.10	0.10	1	%	45298		02/28/05 0000	rlm
	% Moisture, Solid	12.1		0.10	0.10	1	%	45298		02/28/05 0000	rlm
9012	Cyanide (Colorimetric)	89.1	B	30.6	569	1.0	ug/Kg	45395		03/02/05 1115	dtm
	Cyanide, Total, Solid*										

* In Description = Dry Wgt.

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 SMK
 12/23/2004



May 5, 2005

Ms. Ilkay Cam-Spanos
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, Suite 900
New York, NY 10001-27279

Re: Data Validation Reports
Glendale, New York Project
March 2005 through April 2005 Soil and Soil Gas Sampling Events

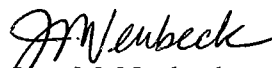
Dear Ms. Cam-Spanos:

The data validation summaries and data usability summary reports (DUSRs) are attached to this letter for the Glendale, New York project, March 2005 through April 2005 soil and soil gas sampling events. The majority of the data were acceptable, with issues that are identified in the corresponding DUSRs and validation summaries for the following data packages: STL Connecticut Job Nos. 209073, 209159, 209172, 209184, 209185, and 209233; Spectrum Analytical, Inc., SDG No. 27062; and Long Island Analytical Laboratories, Inc., ID Nos. 1066527-1066530, 1066138, and 1068436-1068437.

There were data that were flagged as unusable (R) in data packs 209159, 209184, and 209185. The DUSRs for these data packs contain the reasons for qualifying the data as rejected. The data were rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

I have included a list of data validation qualifiers and acronyms to assist you in interpreting the reports. If you have any questions concerning this report, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Environmental Consultants, Inc.


Jean M. Neubeck
President

JMN:bms

Attachments

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Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation



**Data Usability Summary Report for
Spectrum Analytical, Inc. SDG 27062
Soil Gas (SUMA Can) Samples
Collected April 25, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 3, 2005

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile analyses.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

There were no data qualified in this data pack. The data are acceptable and are usable with no validation issues. Detailed information on data quality is included in the data validation review.



Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

**QA/QC Review of TO-15 Volatiles Data for
Spectrum Analytical, Inc. SDG 27062
Soil Gas (SUMA Can) Samples
Collected April 25, 2005**

Prepared by: Donald Anné
May 3, 2005

Holding Times: Samples were analyzed within USEPA method TO-15 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (30%), as required.

Blanks: The analyses of method and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Duplicate Sample: The relative percent differences for applicable target compounds were below the allowable maximum (30%), as required.

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits (70-130%) for LCS sample 5041493-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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**Data Usability Summary Report
for STL Connecticut, Job No. 209159
Soil Samples
Collected March 30, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 3, 2005

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, PCB, pesticide, herbicide, metal and cyanide analyses. This DUSR and the associated QA/QC reviews applies only to the following samples in this data pack:

BLDG4-H(4)-033005 BLDG4-I(10)-033005 BLDG4-J(8)-033005

The overall performances of the analyses are acceptable. STL Connecticut did fulfill the requirements of the analytical methods.

The majority of the data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- Positive results for acetone and methylene chloride were flagged as “not detected” (U) in all three samples because the sample results were not significantly greater than the concentrations detected in the associated method blanks.
- The volatile results for sample BLDG4-J(8)-033005 were flagged as estimates (J) because the sample was analyzed beyond NYSDEC holding times.
- The semi-volatile results for sample BLDG4-J(8)-033005 were flagged as estimates (J) because the sample was extracted beyond NYSDEC holding times.
- The semi-volatile results for 2,4-dinitrophenol were flagged as “estimated” (J) in all three samples because the percent recoveries were below QC limits in LCS/LCSD samples 46700-002 and 47171-002.
- The pesticide results for sample BLDG4-J(8)-033005 were flagged as estimates (J) because the sample was extracted beyond NYSDEC holding times.

- The results for heptachlor epoxide, alpha-chlordane, and endosulfan sulfate were flagged as “unusable” (R) in sample BLDG4-J(8)-033005 because the %Ds for dual column quantitation were greater than 100%.
- The PCB results for sample BLDB4-J(8)-033005 were flagged as estimates (J) because the sample was extracted beyond NYSDEC holding times.
- The herbicide results for sample BLDB4-J(8)-033005 were flagged as estimates (J) because the sample was extracted beyond NYSDEC holding times.
- The cyanide result for sample BLDB4-J(8)-033005 was flagged as estimated (J) because the sample was analyzed beyond NYSDEC holding times.
- Results reported as “not detected” for antimony were flagged as estimates (J) in all three samples because the percent recoveries for antimony were below control limits (75-125%), but were greater than 10% in soil spike samples 209171-3 and 209247-1.
- The potassium results were flagged as “estimated” (J) in samples BLDG4-H(4)-033005 and BLDG4-I(10)-033005 because the percent recovery for potassium was below control limits (75-125%), but was greater than 10% in spike sample 209171-3.
- The sodium result was flagged as estimated (J) in sample BLDG4-J(8)-033005 because the percent recovery for sodium was above control limits (75-125%) in soil spike sample 209247-1.
- Positive results for calcium, lead, and manganese were flagged as “estimated” (J) in sample BLDG4-J(8)-033005 because the relative percent differences for these metals were above the allowable maximum (35%) in duplicate sample 209247-1.
- Results reported as “not detected” for thallium were flagged as “estimated” (J) in all three samples because the percent recoveries for thallium were below control limits (80-120%) for the ICP Interference Check Samples.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



**QA/QC Review of Volatiles Data
for STL Connecticut, Job No. 209159
Soil Samples
Collected March 30, 2005**

Prepared by: Donald Anné
May 3, 2005

Holding Times: Sample BLDG4-J(8)-033005 was analyzed outside NYSDEC holding times. Results for sample BLDG4-J(8)-033005 should be considered estimates.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSD for methylene chloride (31.8%) was above the allowable maximum (30%) for MSN on 03-21-05. The %RSD for chloromethane (93.0%), trichlorofluoromethane (55.3%), acetone (63.6%), and methylene chloride (63.3%) were above the allowable maximum (30%) for MSN on 04-06-05. Positive results for these compounds should be considered estimates (J) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The RRF50s for target compounds were above the allowable minimum (0.050), as required. The %D for chloroethane (38.3%) was above the allowable maximum (25%) on 04-12-05 (N8876). Positive results for chloroethane should be considered estimates (J) in associated samples.

Blanks: Method blank MB 46845-001 contained traces of acetone (4.943 ug/kg) and methylene chloride (5.982 ug/kg). Method blank MB 47147-001 contained traces of acetone (5.947 ug/kg) and methylene chloride (6.954 ug/kg). Results for acetone and methylene chloride that are less than ten times the highest method blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recovery for chloroethane was above QC limits for LCS/LCSD sample 46845-002. Positive results for chloroethane should be considered estimates (J) in associated samples.

The percent recovery for chloroethane was below QC limits for LCS/LCSD sample 47147-002. All results for chloroethane should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of Semi-Volatiles Data
for STL Connecticut, Job No. 209159
Soil Samples
Collected March 30, 2005**

Prepared by: Donald Anné
May 3, 2005

Holding Times: Sample BLDG4-J(8)-033005 was extracted outside NYSDEC holding times. Results for sample BLDG4-J(8)-033005 should be considered estimates (J).

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSD for benzoic acid (32.1%) was above the allowable maximum (30%) for MSP on 04-07-05. Positive results for benzoic acid should be considered estimates (J) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF40s for target compounds were above the allowable minimum (0.050), as required. The %D for 2,4-dinitrophenol (26.9%) was above the allowable maximum (25%) on 04-03-05 (U7525). Positive results for 2,4-dinitrophenol should be considered estimates (J) in associated samples.

Blanks: Method blank 47171-001 contained a trace of bis(2-ethylhexyl)phthalate (52.76 ug/kg). Results for bis(2-ethylhexyl)phthalate that are less than ten times the method blank level should be reported as not detected in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries for 2,4-dinitrophenol were below QC limits for LCS/LCSD sample 46700-002. All results for 2,4-dinitrophenol should be considered estimates (J) in associated samples.

The percent recoveries for 2,4-dinitrophenol and pentachlorophenol were below QC limits for LCS/LCSD sample 47171-002. All results for 2,4-dinitrophenol and pentachlorophenol should be considered estimates (J) in associated samples.

The percent recoveries for 4-methylphenol, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene were above QC limits for LCS/LCSD sample 47171-002. Positive results for these three compounds should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



**QA/QC Review of Pesticide Data for
STL Connecticut, STL Job No. 209159
Soil Samples
Collected March 30, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 3, 2005

Holding Times: Sample BLDG4-J(8)-033005 was extracted outside NYSDEC holding times. Results for sample BLDG4-J(8)-033005 should be considered estimates (J).

Blanks: The analyses of method and instrument blanks reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within advisory limits on both columns for validated samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within QC limits for MS/MSD sample BLDG4-H(4)-033005.

Laboratory Control Sample: The percent recoveries for target pesticides were within QC limits for LCS samples 46701-002 and 47204-002.

Initial Calibration: The %RSDs for target pesticides were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: This data were not used to qualify samples because the continuing calibrations were performed at the end of the analyses.

Endrin and DDT Breakdown Evaluation: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Analytical Sequence: The retention times for TCX and DCB were within control limits for both columns.

Pesticide Identification Summary for Single Component Analytes: Checked results were within GC quantitation limits.

The %Ds for dual column quantitation of heptachlor epoxide (113.4%), alpha-chlordane (131.1%), and endosulfan sulfate (191.9%) in sample BLDG4-J(8)-033005 were greater than the allowable maximum (25%). The results for these compounds with %Ds greater than 100% should be considered unusable (R). The flagged results may be biased low.

Pesticide Identification Summary for Multicomponent Analytes: There were no detectable concentrations of target multi-component pesticides reported in the three samples reviewed in this data pack.



Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

**QA/QC Review of PCB Aroclor Data for
STL Connecticut, STL Job No. 209159
Soil Samples
Collected March 30, 2005**

Prepared by: Donald Anné
May 3, 2005

Holding Times: Sample BLDG4-J(8)-033005 was extracted outside the NYSDEC holding times. Results for sample BLDG4-J(8)-033005 should be considered estimates (J).

Blanks: The analyses of the instrument and method blanks reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within advisory limits on both columns for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference (1%) for aroclor-1260 was below the allowable maximum (50%), and the percent recoveries (102% and 102%) were within QC limits for MS/MSD sample BLDG4-H(4)-033005.

Laboratory Control Sample: The percent recoveries for aroclor-1260 and aroclor-1016 were within QC limits for LCS samples 46701-003 and 47204-003.

Initial Calibration: The %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The average %Ds for target aroclors were below the allowable maximum (15%) for both columns, as required.

Pesticide Analytical Sequence: The retention times for TCX and DCB were within control limits for both columns.

Pesticide Identification Summary for Single Component Analytes: Checked surrogates were within GC quantitation limits. The analyses of the three samples reviewed in this data pack reported target aroclors as not detected.



Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

**QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 209159
(STL Buffalo Job# A05-2962, A05-3506)**

**Soil Samples
Collected March 30, 2005**

Prepared by: Donald Anné
May 3, 2005

Holding Times: Sample BLDG4-J(8)-033005 was extracted outside the NYSDEC holding times. Results for sample BLDG4-J(8)-033005 should be considered estimated (J).

Blanks: The analyses of method blanks reported 2,4-D and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for soil MS/MSD sample A5B0512903. The %Rs were within QC limits, but one of two RPDs was above the allowable maximum for soil MS/MSD sample A5B0450003. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Initial Calibration: The %RSDs for 2,4-D and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D and 2,4,5-TP reported in the three samples reviewed in this data pack.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of Metals and Cyanide Data
for STL Connecticut, Job No. 209159
Soil Samples
Collected March 30, 2005**

Prepared by: Donald Anné
May 3, 2005

Holding Times: Sample BLDG4-J(8)-033005 was analyzed beyond the NYSDEC holding time for cyanide. The result for cyanide in sample BLDG4-J(8)-033005 should be considered estimated (J).

Initial and Continuing Calibration Verification: The percent recoveries for target metals and cyanide were within control limits (80-120% for Hg, 90-110% for all other metals, 85-115% for cyanide).

CRDL Standard: The percent recoveries for target metals were within laboratory QC limits (50-150%) for CRDL standards.

Blanks: The analyses for initial and continuing calibration, and method blanks reported target metals and cyanide as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for thallium were below control limits (80-120%). Results for thallium should be considered estimates (J).

Spike Sample Recovery: The percent recoveries for antimony (53%) and potassium (73%) were below control limits (75-125%) for soil spike sample 209171-3. All results for antimony and potassium should be considered estimates (J) in associated samples.

The percent recoveries for antimony (31%) and thallium (72%) were below control limits (75-125%) for soil spike sample 209247-1. All results for antimony and thallium should be considered estimates (J) in associated samples. The percent recovery for sodium (151%) was above control limits (75-125%) for soil spike sample 209247-1. Positive results for sodium should be considered estimates (J) in associated samples.

Duplicates: The relative percent differences for applicable target metals were below the allowable maximum (35%) for soil duplicate sample 209171-3, as required.

The relative percent differences for calcium (93.8%), lead (53.3%), and manganese (50.3%) were above the allowable maximum (35%) for soil duplicate sample 209247-1. Positive results for calcium, lead, and manganese should be considered estimates (J) in associated samples.

Laboratory Control Sample: The percent recoveries for target metals and cyanide were within QC limits for the soil LCSs.

ICP Serial Dilution: The %Ds for applicable target metals were below the allowable maximum (10%) for serial dilution sample BLDG4-I(10)-033005, as required.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for soil samples were greater than 50%, as required.



**Data Usability Summary Report
for STL Connecticut, Job No. 209172
Soil Samples
Collected March 30 and 31, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 3, 2005

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, PCB, pesticide, herbicide, metal and cyanide analyses. This DUSR and the associated QA/QC reviews applies only to the following samples in this data pack:

BLDG4-B(4)-033005	BLDG4-D(7)-033005	BLDG4-E(6)-033005
BLDG4-G(8)-033005	BLDG4-F(7)-033105	

The overall performances of the analyses are acceptable. STL Connecticut did fulfill the requirements of the analytical methods.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- Positive results for methylene chloride were flagged as “not detected” (U) in all five samples because the sample results were not significantly greater than the concentration detected in the associated method blank.
- The volatile results for chloroethane were flagged as “estimated” (J) in samples BLDB4-D(7)-033005 and BLDG4-F(7)-033105 because the percent recoveries were below QC limits in the LCS/LCSD sample 46900-002.
- The semi-volatile results for 2,4-dinitrophenol were flagged as “estimated” (J) in all five samples because the percent recoveries were below QC limits in LCS/LCSD samples 46724-002 and 46959-002.
- The result for 4,4'-DDE was flagged as “estimated” (J) in sample BLDG4-G(8)-033005 because the %D for dual column quantitation was greater than 25%, but was less than 70%.

- The result for aroclor-1254 was flagged as “estimated” (J) in sample BLDG4-G(8)-033005 because the %D for dual column quantitation was greater than 25%, but was less than 70%.
- Results reported as “not detected” for antimony were flagged as estimates (J) in all five samples because the percent recoveries for antimony were below control limits (75-125%), but were greater than 10% in soil spike samples 209171-3 and 209221-1.
- The potassium results were flagged as “estimated” (J) in samples BLDB4-B(4)-033005, BLDG4-E(6)-033005, and BLDG4-G(8)-033005 because the percent recovery for potassium was below control limits (75-125%), but was greater than 10% in spike sample 209171-3.
- Positive results for the following metals were flagged as estimates (J) in samples BLDG4-D(7)-033005 and BLDG4-F(7)-033105 because the percent recoveries for these metals were above control limits (75-125%) in soil spike sample 209221-1.
chromium copper lead sodium vanadium zinc
- Results reported as “not detected” for thallium were flagged as “estimated” (J) in all five samples because the percent recoveries for thallium were below control limits (80-120%) for the ICP Interference Check Samples.
- Positive results for chromium were flagged as “estimated” (J) in samples BLDG4-B(4)-033005, BLDG4-E(6)-033005, and BLDG4-G(8)-033005 because the percent difference for serial dilution sample 209172-17 was above the allowable maximum (10%).

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of Volatiles Data
for STL Connecticut, Job No. 209172
Soil Samples
Collected March 30 and 31, 2005**

Prepared by: Donald Anné
May 2, 2005

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSD for methylene chloride (31.8%) was above the allowable maximum (30%) for MSN on 03-21-05. The %RSD for chloromethane (93.0%), trichlorofluoromethane (55.3%), acetone (63.6%), and methylene chloride (63.3%) were above the allowable maximum (30%) for MSN on 04-06-05. Positive results for these compounds should be considered estimates (J) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The RRF50s for target compounds were above the allowable minimum (0.050), as required. The %Ds for trichlorofluoromethane (35.2%) and 1,2-dichloroethane (25.9%) were above the allowable maximum (25%) on 04-04-05 (N8708). The %Ds for the following compounds were above the allowable maximum (25%) on 04-07-05 (N8792).

chloroethane (42.2%)	trichlorofluoromethane (57.7%)
methylene chloride (28.6%)	2-butanone (35.3%)
1,1,1-trichloroethane (28.3%)	carbon tetrachloride (29.5%)
2-hexanone (38.0%)	

Positive results for these above compounds should be considered estimates (J) in associated samples.

Blanks: Method blank MB 46784-001 contained a trace of methylene chloride (6.056 ug/kg). Method blank MB 46900-001 contained a trace of methylene chloride (4.957 ug/kg).

Results for methylene chloride that are less than ten times the method blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries for target metals were within QC limits for LCS/LCSD sample 46784-002. The percent recovery for chloroethane was below QC limits for LCS/LCSD sample 46900-002. Results for chloroethane should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



**QA/QC Review of Semi-Volatiles Data
for STL Connecticut, Job No. 209172**

Soil Samples

Collected March 30 and 31, 2005

Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

Prepared by: Donald Anné
May 2, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF40s for target compounds were above the allowable minimum (0.050), as required. The %Ds for benzoic acid (28.3%) and 2,4-dinitrophenol (39.3%) were above the allowable maximum (25%) on 04-04-05 (R7901). Positive results for these two compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three acid extractable surrogate recoveries for sample BLDG4-B(4)-033005 was below control limits, but was greater than 10%. No action is taken on one surrogate per fraction outside control limits, provided no recovery is less than 10%.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Semi-Volatiles Data

Job No. 209172

Laboratory Control Sample: The percent recoveries for 2,4-dinitrophenol were below QC limits for LCS/LCSD samples 46724-002 and 46959-002. Results for 2,4-dinitrophenol should be considered estimates (J) in associated samples.

The percent recoveries for the following compounds were above QC limits for the LCS/LCSD sample 46724-002. Positive results should be considered estimates (J) in associated samples:

bis(2-chloroethyl)ether	1,4-dichlorobenzene
n-nitroso-di-n-propylamine	hexachloroethane
4-methylphenol	

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



**QA/QC Review of Pesticide Data for
STL Connecticut, STL Job No. 209172
Soil Samples
Collected March 30 and 31, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 2, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analyses of method and instrument blanks reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within advisory limits on both columns for validated samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries for target pesticides were within QC limits for LCS samples 46909-002 and 46726-002.

Initial Calibration: The %RSDs for target pesticides were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: This data were not used to qualify samples because the continuing calibrations were performed at the end of the analyses.

Endrin and DDT Breakdown Evaluation: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin (20%), as required.

Pesticide Analytical Sequence: The retention times for TCX and DCB were within control limits for both columns.

Pesticide Identification Summary for Single Component Analytes: Checked results were within GC quantitation limits. The %D for dual column quantitation of 4,4'-DDE (66%) in sample BLDG4-G(8)-033005 were greater than the allowable maximum (25%).

The result for 4,4'-DDE with the %D greater than 25% but less than 70% should be considered estimated (J). The flagged results may be biased low.

Pesticide Identification Summary for Multicomponent Analytes: There were no detectable concentrations of target multi-component pesticides reported in the five samples reviewed in this data pack.



**QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 209172
(STL Buffalo Job# A05-3010, A05-3134)**

**Soil Samples
Collected March 30 and 31, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 2, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analyses of method blanks reported 2,4-D and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD samples A5B0455003 and A5B0492203.

Initial Calibration: The %RSDs for 2,4-D and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D and 2,4,5-TP reported in the five samples reviewed in this data pack.



**QA/QC Review of Metals and Cyanide Data
for STL Connecticut, Job No. 209172**

Soil Samples

Collected March 30 and 31, 2005

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 2, 2005

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals and cyanide were within control limits (80-120% for Hg, 90-110% for all other metals, 85-115% for cyanide).

CRDL Standard: The percent recoveries for target metals were within laboratory QC limits (50-150%) for CRDL standards.

Blanks: The analyses for initial and continuing calibration, and method blanks reported target metals and cyanide as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for thallium were below control limits (80-120%). Results for thallium should be considered estimates (J).

Spike Sample Recovery: The percent recoveries for antimony (53%) and potassium (73%) were below control limits (75-125%) for soil spike sample 209171-3. All results for antimony and potassium should be considered estimates (J) in associated samples.

The percent recovery for antimony (26%) was below control limits (75-125%) for soil spike sample 209221-1. All results for antimony should be considered estimates (J) in associated samples. The percent recoveries for the following metals were above control limits (75-125%) for soil spike sample 209221-1. Positive results for these metals should be considered estimates (J) in associated samples.

chromium (221%)

copper (201%)

lead (200%)

sodium (162%)

vanadium (162%)

zinc (150%)

Duplicates: The relative percent differences for applicable target metals were below the allowable maximum (35%) for soil duplicate samples 209171-3 and 209221-1, as required.

Laboratory Control Sample: The percent recoveries for target metals and cyanide were within QC limits for the soil LCSs.

ICP Serial Dilution: The %D for chromium (13%) was above the allowable maximum (10%) for serial dilution sample 209172-17. Positive results for chromium that were reported above the CRDL should be considered estimates (J) in associated samples.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for soil samples were greater than 50%, as required.



**Data Usability Summary Report
for STL Connecticut, Job No. 209184
Soil Samples
Collected March 31 and April 1, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 2, 2005

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, PCB, pesticide, herbicide, metal and cyanide analyses. This DUSR and associated QA/QC reviews applies only to the following samples in this data pack:

BLDG4-C(5)-033105	BLDG4-A(5)-033105
GAR-E2(5)-040105	GAR-E3(5)-040105

The overall performances of the analyses are acceptable. STL Connecticut did fulfill the requirements of the analytical methods.

The majority of the data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- Positive results for methylene chloride were flagged as “not detected” (U) in all four samples because the sample results were not significantly greater than the concentration detected in the associated method blank.
- The semi-volatile results for 2,4-dinitrophenol were flagged as “estimated” (J) in all four samples because the percent recoveries were below QC limits in LCS/LCSD samples 46750-002 and 46750-003.
- Results for 4,4'-DDE and endosulfan II were flagged as “estimated, presumptive evidence” in sample GAR-E2(5)-040105 (JN) because the %Ds for dual column quantitation were greater than 70%, but were less than 100%.
- The result for endosulfan sulfate was flagged as unusable (R) in sample GAR-E2(5)-040105 because the %D for dual column quantitation was greater than 100%.

- Results reported as “not detected” for antimony were flagged as estimates (J) in all four samples because the percent recovery for antimony was below control limits (75-125%), but was greater than 10% in soil spike sample 209185-12.
- The arsenic result was flagged as “estimated” (J) in sample GAR-E3(5)-040105 because the percent recovery for arsenic in spike sample 209185-12 was above control limits (75-125%).
- Results reported as “not detected” for thallium were flagged as “estimated” (J) in all four samples because the percent recoveries for thallium were below control limits (80-120%) for the ICP Interference Check Samples.
- Results for lead were flagged as “estimated” (J) in all four samples because the relative percent difference for duplicate sample 209185-12 was above the allowable maximum (35%).

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



**QA/QC Review of Volatiles Data
for STL Connecticut, Job No. 209184
Soil Samples
Collected March 31 and April 1, 2005**

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSD for methylene chloride (31.8%) was above the allowable maximum (30%) for MSN on 03-21-05. Positive results for methylene chloride should be considered estimates (J) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The RRF50s for target compounds were above the allowable minimum (0.050), as required. The %Ds for trichlorofluoromethane (35.2%) and 1,2-dichloroethane (25.9%) were above the allowable maximum (25%) on 04-04-05 (N8708). Positive results for these two compounds should be considered estimates (J) in associated samples.

Blanks: Method blank MB 46784-001 contained a trace of methylene chloride (6.056 ug/kg). Results for methylene chloride that are less than ten times the method blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries for target metals were within QC limits for LCS sample 46784-002.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of Semi-Volatiles Data
for STL Connecticut, Job No. 209184
Soil Samples
Collected March 31 and April 1, 2005**

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF40s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analyses of method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recovery for benzyl alcohol was above QC limits for LCS sample 446750-3. The percent recoveries for 2,4-dinitrophenol were below QC limits for LCS/LCSD samples 46750-002 and 46750-003. Positive results for benzyl alcohol and all results for 2,4-dinitrophenol should be considered estimates (J).

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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**QA/QC Review of Pesticide Data for
STL Connecticut, STL Job No. 209184
Soil Samples
Collected March 31 and April 1, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analyses of method and instrument blanks reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within advisory limits on both columns for validated samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries for target pesticides were within QC limits for LCS samples 46909-002 and 47204-002.

Initial Calibration: The %RSDs for target pesticides were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: This data were not used to qualify samples because the continuing calibrations were performed at the end of the analyses.

Endrin and DDT Breakdown Evaluation: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin (20%), as required.

Pesticide Analytical Sequence: The retention times for TCX and DCB were within control limits for both columns.

Pesticide Identification Summary for Single Component Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation for 4,4'-DDE (74.1%), endosulfan II (73.8%), and endosulfan sulfate (177%) in sample GAR-E2(5)-040105 were greater than the allowable maximum (25%).

Results for the above compounds with %Ds greater than 70% but less than 100% should be considered estimates and presumptive evidence of its presence (JN). Results with %Ds greater than 100% should be considered unusable (R). Flagged results may be biased low.

Pesticide Identification Summary for Multicomponent Analytes: There were no detectable concentrations of target multi-component pesticides reported in the four samples reviewed in this data pack.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of PCB Aroclor Data for
STL Connecticut, STL Job No. 209184
Soil Samples
Collected March 31 and April 1 , 2005**

Prepared by: Donald Anné
May 2, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analyses of the instrument and method blanks reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within advisory limits on both columns for environmental samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries for aroclor-1260 and aroclor-1016 were within QC limits for LCS samples 46909-003 and 47204-003.

Initial Calibration: The %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The average %Ds for target aroclors were below the allowable maximum (15%) for both columns, as required.

Pesticide Analytical Sequence: The retention times for TCX and DCB were within control limits for both columns.

Pesticide Identification Summary for Single Component Analytes: Checked surrogates were within GC quantitation limits. The analyses of the four samples reviewed in this data pack reported target aroclors as not detected.

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**QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 209184
(STL Buffalo Job# A05-3132)**

**Soil Samples
Collected March 31 and April 1, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 2, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analyses of method blanks reported 2,4-D and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD samples A5B0471803 and A5B0521903.

Initial Calibration: The %RSDs for 2,4-D and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D and 2,4,5-TP reported in the four samples reviewed in this data pack.



**QA/QC Review of Metals and Cyanide Data
for STL Connecticut, Job No. 209184
Soil Samples
Collected March 31 and April 1, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals and cyanide were within control limits (80-120% for Hg, 90-110% for all other metals, 85-115% for cyanide).

CRDL Standard: The percent recoveries for target metals were within laboratory QC limits (50-150%) for CRDL standards.

Blanks: The analyses for initial and continuing calibration, and method blanks reported target metals and cyanide as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for thallium were below control limits (80-120%). Results for thallium should be considered estimates (J).

Spike Sample Recovery: The percent recoveries for antimony (39%) and arsenic (167%) were outside control limits (75-125%) for soil spike sample 209185-12. All results for antimony and positive results for arsenic should be considered estimates (J).

Duplicates: The relative percent difference for lead (37.5%) was above the allowable maximum (35%) for soil duplicate sample 209185-12. Positive results for lead should be considered estimates (J).

Laboratory Control Sample: The percent recoveries for target metals and cyanide were within QC limits for the soil LCSs.

ICP Serial Dilution: The %Ds for applicable target metals were below the allowable maximum (10%) for serial dilution sample GAR-E3(5)-040105, as required.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for soil samples were greater than 50%, as required.



**Data Usability Summary Report
for STL Connecticut, Job No. 209185
Soil Samples
Collected April 1, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 3, 2005

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, PCB, pesticide, herbicide, metal and cyanide analyses. This DUSR and the associated QA/QC reviews applies only to the following samples in this data pack:

GAR-D1(7)-040105	GAR-D2(7)-040105
GAR-F1(5)-040105	GAR-F2(5)-040105

The overall performances of the analyses are acceptable. STL Connecticut did fulfill the requirements of the analytical methods.

The majority of the data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- Positive results for methylene chloride and acetone were flagged as “not detected” (U) in all four samples because the sample results were not significantly greater than the concentrations detected in the associated method blanks.
- The volatile results for samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were flagged as estimates (J) because the samples were analyzed beyond the NYSDEC holding times.
- The semi-volatile results for samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were flagged as estimates (J) because the samples were extracted beyond the NYSDEC holding times.
- The pesticide results for samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were flagged as estimates (J) because the sample was extracted beyond the NYSDEC holding times.
- The result for 4,4'-DDT was flagged as “estimated” in sample GAR-F2(5)-040105 (J) because the %D for dual column quantitation was greater than 25%, but was less than 70%.

- The result for alpha-chlordane was flagged as unusable (R) in sample GAR-F2(5)-040105 because the %D for dual column quantitation was greater than 100%.
- The PCB results for samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were flagged as estimates (J) because the samples were extracted beyond the NYSDEC holding times.
- The herbicide results for samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were flagged as estimates (J) because the samples were extracted beyond the NYSDEC holding times.
- Results reported as “not detected” for antimony were flagged as estimates (J) in all four samples because the percent recoveries for antimony were below control limits (75-125%), but were greater than 10% in soil spike samples 209185-12 and 209247-1.
- The arsenic results were flagged as “estimated” (J) in samples GAR-F1(5)-040105 and GAR-F2(5)-040105 because the percent recovery for arsenic was above control limits (75-125%) in spike sample 209185-12.
- The sodium results were flagged as estimated (J) in samples GAR-D1(7)-040105 and GAR-D2(7)-040105 because the percent recovery for sodium was above control limits (75-125%) in soil spike sample 209247-1.
- Positive results for lead were flagged as “estimated” (J) in all four samples because the relative percent differences for lead in duplicate samples 209185-12 and 209247-1 were above the allowable maximum (35%).
- Positive results for calcium and manganese were flagged as “estimated” (J) in samples GAR-D1(7)-040105 and GAR-D2(7)-040105 because the relative percent differences for calcium and manganese in duplicate sample 209247-1 were above the allowable maximum (35%).
- Results reported as “not detected” for thallium were flagged as “estimated” (J) in all four samples because the percent recoveries for thallium were below control limits (80-120%) for the ICP Interference Check Samples.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

**QA/QC Review of Volatiles Data
for STL Connecticut, Job No. 209185
Soil Samples
Collected April 1, 2005**

Prepared by: Donald Anné
May 3, 2005

Holding Times: Samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were analyzed outside NYSDEC holding times. Results for samples GAR-D1(7)-040105 and GAR-D2(7)-040105 should be considered estimates (J).

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSD for methylene chloride (31.8%) was above the allowable maximum (30%) for MSN on 03-21-05. The %RSD for chloromethane (93.0%), trichlorofluoromethane (55.3%), acetone (63.6%), and methylene chloride (63.3%) were above the allowable maximum (30%) for MSN on 04-06-05. Positive results for these compounds should be considered estimates (J) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The RRF50s for target compounds were above the allowable minimum (0.050), as required. The %Ds for chloroethane (40.3%) and 2-butanone (43.7%) were above the allowable maximum (25%) on 04-13-05 (N8905). Positive results for these two compounds should be considered estimates (J) in associated samples.

Blanks: Method blank MB 46833-001 contained traces of acetone (3.497 ug/kg) and methylene chloride (7.048 ug/kg). Method blank MB 47190-001 contained traces of acetone (3.431 ug/kg) and methylene chloride (7.947 ug/kg). Results for acetone and methylene chloride that are less than ten times the method blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries for target metals were within QC limits for LCS sample 46833-002.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



**QA/QC Review of Semi-Volatiles Data
for STL Connecticut, Job No. 209185
Soil Samples
Collected April 1, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 3, 2005

Holding Times: Samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were extracted outside NYSDEC holding times. Results for sample GAR-D1(7)-040105 and GAR-D2(7)-040105 should be considered estimates (J).

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSD for benzoic acid (32.1%) was above the allowable maximum (30%) for MSP on 04-07-05. Positive results for benzoic acid should be considered estimates (J) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF40s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: Method blank 47171-001 contained a trace of bis(2-ethylhexyl)phthalate (52.76 ug/kg). Results for bis(2-ethylhexyl)phthalate that are less than ten times the method blank level should be reported as not detected in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for LCS sample 46750-002.

The percent recoveries for 2,4-dinitrophenol and pentachlorophenol were below QC limits for LCS/LCSD sample 47171-002. All results for 2,4-dinitrophenol and pentachlorophenol should be considered estimates (J) in associated samples.

The percent recoveries for 4-methylphenol, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene were above QC limits for LCS/LCSD sample 47171-002. Positive results for these three compounds should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



**QA/QC Review of Pesticide Data for
STL Connecticut, STL Job No. 209185
Soil Samples
Collected April 1, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 3, 2005

Holding Times: Samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were extracted outside NYSDEC holding times. Results for sample GAR-D1(7)-040105 and GAR-D2(7)-040105 should be considered estimates (J).

Blanks: The analyses of method and instrument blanks reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within advisory limits on both columns for the four validated samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within QC limits for MS/MSD sample 209185-12.

Laboratory Control Sample: The percent recoveries for target pesticides were within QC limits for LCS samples 46909-002 and 47204-002.

Initial Calibration: The %RSDs for target pesticides were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: This data were not used to qualify samples because the continuing calibrations were performed at the end of the analyses.

Endrin and DDT Breakdown Evaluation: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Analytical Sequence: The retention times for TCX and DCB were within control limits for both columns.

Pesticide Identification Summary for Single Component Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of alpha-chlordane (100.8%) and 4,4'-DDT (25.9%) in sample GAR-F2(5)-040105 were greater than the allowable maximum (25%).

The result for 4,4'-DDT with a %D greater than 25% but less than 70% should be considered as estimated (J). The result for alpha-chlordane with a %D greater than 100% should be considered unusable (R). Flagged results may be biased low.

Pesticide Identification Summary for Multicomponent Analytes: There were no detectable concentrations of target multi-component pesticides reported in the four samples reviewed in this data pack.

**QA/QC Review of PCB Aroclor Data for
STL Connecticut, STL Job No. 209185
Soil Samples
Collected April 1, 2005**

Prepared by: Donald Anné
May 3, 2005

Holding Times: Samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were extracted outside NYSDEC holding times. Results for sample GAR-D1(7)-040105 and GAR-D2(7)-040105 should be considered estimates (J).

Blanks: The analyses of the instrument and method blanks reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within advisory limits on both columns for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for aroclor-1260 was below the allowable maximum and the percent recoveries were within QC limits for MS/MSD sample 209185-12.

Laboratory Control Sample: The percent recoveries for aroclor-1260 and aroclor-1016 were within QC limits for LCS samples 46909-003, 46997-003, and 47204-003.

Initial Calibration: The %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The average %Ds for target aroclors were below the allowable maximum (15%) for both columns, as required.

Pesticide Analytical Sequence: The retention times for TCX and DCB were within control limits for both columns.

Pesticide Identification Summary for Single Component Analytes: Checked surrogates were within GC quantitation limits. The analyses of the four samples reviewed in this data pack reported target aroclors as not detected.

**QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 209185
(STL Buffalo Job# A05-3133, A05-3508)**

**Soil Samples
Collected April 1, 2005**

Prepared by: Donald Anné
May 3, 2005

Holding Times: Samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were extracted outside NYSDEC holding times. Results for sample GAR-D1(7)-040105 and GAR-D2(7)-040105 should be considered estimates (J).

Blanks: The analyses of method blanks reported 2,4-D and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD samples A5B0471803 and A5B0521903.

Initial Calibration: The %RSDs for 2,4-D and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D and 2,4,5-TP reported in the four samples reviewed in this data pack.



**QA/QC Review of Metals and Cyanide Data
for STL Connecticut, Job No. 209185
Soil Samples
Collected April 1, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 3, 2005

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals and cyanide were within control limits (80-120% for Hg, 90-110% for all other metals, 85-115% for cyanide).

CRDL Standard: The percent recoveries for target metals were within laboratory QC limits (50-150%) for CRDL standards.

Blanks: The analyses for initial and continuing calibration, and method blanks reported target metals and cyanide as below the CRDLs, as required.

ICP Interference Check Sample: The percent recoveries for thallium were below control limits (80-120%). Results for thallium should be considered estimates (J).

Spike Sample Recovery: The percent recovery for antimony (39%) was below control limits (75-125%) for soil spike sample 209185-12. All results for antimony should be considered estimates (J) in associated samples. The percent recovery for arsenic (167%) was above control limits (75-125%) for soil spike sample 209185-12. All results for arsenic should be considered estimates (J) in associated samples.

The percent recoveries for antimony (31%) and thallium (72%) were below control limits (75-125%) for soil spike sample 209247-1. All results for antimony and thallium should be considered estimates (J) in associated samples. The percent recovery for sodium (151%) was above control limits (75-125%) for soil spike sample 209247-1. Positive results for sodium should be considered estimates (J) in associated samples.

Duplicates: The relative percent difference for lead (37.5%) was above the allowable maximum (35%) for soil duplicate sample 209185-12. Positive results for lead should be considered estimates (J) in associated samples.

The relative percent differences for calcium (93.8%), lead (53.3%), and manganese (50.3%) were above the allowable maximum (35%) for soil duplicate sample 209247-1. Positive results for calcium, lead, and manganese should be considered estimates (J) in associated samples.

Laboratory Control Sample: The percent recoveries for target metals and cyanide were within QC limits for the soil LCSs.

ICP Serial Dilution: The %Ds for applicable target metals were below the allowable maximum (10%) for serial dilution sample 209185-15, as required.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for soil samples were greater than 50%, as required.



**Data Usability Summary Report for
STL Connecticut, Job No. 209233
Soil Samples
Collected April 7, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 2, 2005

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile and semi-volatile analyses.

The overall performances of the analyses are acceptable. STL Connecticut did fulfill the requirements of the analytical methods.

There were no data qualified in this data pack. The data are acceptable and are usable with no validation issues. Detailed information on data quality is included in the data validation reviews.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of Method 8021 Volatiles Data
for STL Connecticut, Job No. 209233
(STL Buffalo Job # A05-3426)
Soil Samples
Collected April 7, 2005**

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were analyzed within NYSDEC holding times.

Initial Calibration: The %RSDs for target compounds were below the allowable maximum (20%), as required.

Continuing Calibration: The %Ds for target compounds were below the allowable maximum (15%), as required.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within control limits for MS/MSD sample VBLK13.

Compound ID: Checked compounds were within GC quantitation limits.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of Semi-Volatiles Data
for STL Connecticut, Job No. 209233
Soil Samples
Collected April 7, 2005**

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target polynuclear aromatic hydrocarbons (PAHs) were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF40s for target PAHs were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analyses of method blanks reported target PAHs as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike: The percent recoveries for PAHs were within QC limits for MS sample B-UST2-54-56-040705.

Laboratory Control Sample: The percent recoveries for PAHs were within QC limits for LCS sample 47032-002.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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**Data Usability Summary Report for
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1066527-1066530**

**Soil Samples
Collected February 17, 2005**

Prepared by: Donald Anné
May 5, 2005

The data packages did not contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. The data packs contained the results of volatile, semi-volatile, TPH, and metal analyses. This review is based solely on the data provided by the laboratory and as outlined in the QA/QC reviews.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- Positive results for TPH were flagged as “not detected” (U) in samples E14 SW-SE(20'-24'), E14 SW-NW(16'-20'), and E14 SW-SW(20'-24') because the sample results were not significantly greater than the concentration detected in the associated method blank.
- The result for TPH was flagged as “estimated” (J) in sample E14 SW-NE(16'-20'), because the %RSD in the continuing calibration was greater than the allowable maximum of 20%.
- The results reported as “not detected” for lead and selenium were flagged as “estimated” (J) in all four samples because the percent recoveries for lead and selenium were below control limits (75-125%), but greater than 10% in spike sample 1066441.
- Results reported as “not detected” for silver were flagged as “estimated” (J) in all four samples because the percent recovery for silver was below control limits (80-120%) for the ICP Interference Check Samples.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

QA/QC Review of Volatiles Data
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1066527-1066530
Soil Samples
Collected February 17, 2005

Prepared by: Donald Anné
May 5, 2005

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The CCRFs for SPCCs and CCCs were above the allowable minimum (0.050), as required. The %D for bromoform (32.7%) was above the allowable maximum (25%) on 02-18-05 (Q050218.D). Positive results for bromoform should be considered estimates (J) in associated samples. Note: The CCRFs and %Ds for all target compounds were not provided; only data for SPCCs and CCCs were reviewed.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum (20%) and the percent recoveries were within QC limits (70-130%) for the MS/MSD sample.

Compound ID: Target compounds were reported as not detected for samples in this data pack.

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Data Validation
Environmental Chemistry
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QA/QC Review of Semi-Volatiles Data
Long Island Analytical Laboratories Inc.
Laboratory ID Number 1066527-1066530
Soil Samples
Collected February 17, 2005

Prepared by: Donald Anné
May 5, 2005

Holding Times: Sample E14-021405 was extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The CCRFs for SPCCs and CCCs were above the allowable minimum (0.050), as required. The %D for hexachlorocyclopentadiene (38.7%) was above the allowable maximum (25%) on 02-18-05 (Q050218.D). The %D for hexachlorocyclopentadiene (49.4%) was above the allowable maximum (25%) on 02-19-05 (Q050218A.D). Positive results for this compound should be considered estimates (J) in associated samples. Note: The CCRFs and %Ds for all target compounds were not provided; only data for SPCCs and CCCs were reviewed.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for acenaphthene and pyrene were below the allowable maximum (40%) and the percent recoveries were within QC limits (50-150%) for the MS/MSD sample 1066060.

Semi-Volatile Data
Laboratory ID Numbers 1066527-1066530

Laboratory Control Sample: The percent recoveries for acenaphthene and pyrene were above QC limits (50-150%) for the LCS sample.

Compound ID: Target compounds were reported as not detected for samples in this data pack.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of Method 8015 TPH* Data for
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1066527-1066530
Soil Samples
Collected February 17, 2005**

Prepared by: Donald Anné
May 5, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The method blank contained GRO (14.5 mg/kg) and DRO (81.5 mg/kg). Results for TPH that are less than five times the method blank level (96 mg/kg) should be reported as not detected (U) in associated samples.

Surrogate Recovery: The surrogate recoveries were within advisory limits (70-130%) for samples in this data pack.

Matrix Spike/Matrix Spike Duplicate: This data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: This data were not provided in this data pack; therefore, %Rs could not be evaluated for potential matrix effects.

Initial Calibration: The %RSD for GRO was below the allowable maximum (20%), as required. The %RSD for DRO was above the allowable maximum (20%). Results for TPH should be considered estimates (J) because DRO is a portion of TPH.

Continuing Calibration: The %D for DRO was below the allowable maximum (15%), as required.

* Total petroleum hydrocarbons (TPH) is calculated by adding diesel range organics (DRO) and gasoline range organics (GRO)



**QA/QC Review of RCRA Metals Data for
Long Island Analytical Laboratories Inc.
Laboratory ID Number 1066527-1066530**

**Soil Samples
Collected February 17, 2005**

Prepared by: Donald Anné
May 5, 2005

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Holding Times: Samples were analyzed within NYSDEC holding times.

Initial and Continuing Calibration Verification: The continuing calibration verification (CCV) percent recoveries for RCRA metals were within control limits (80-120% for Hg, 90-110% for all other metals). Initial calibration verification data were not provided by the laboratory; however, the sample analyses were performed between two CCVs that were within control limits.

CRDL Standard: CRDL standard data was not provided in this data pack.

Blanks: The analyses of continuing calibration and method blanks reported RCRA metals as not detected.

ICP Interference Check Sample: The percent recovery for silver (41%) was outside control limits (80-120%). Results for silver should be considered estimates (J).

Spike Sample Recovery: The percent recoveries for lead (69% and 70%) and selenium (67% and 68%) were below control limits (75-125%) for MS/MSD sample 1066441. Results for lead and selenium should be considered estimates (J).

Duplicates: The relative percent differences for RCRA metals were below the allowable maximum (35%) for MS/MSD sample 1066441 and duplicate sample 1066441D.

Laboratory Control Sample: The percent recoveries for RCRA metals were within control limits (80-120%) for the LCS.

ICP Serial Dilution: ICP serial dilution data were not provided in this data pack.

Metals Data

Laboratory ID Number 1066527-1066530

Instrument Detection Limits: IDL data were not provided in this data pack.

Percent Solids: Percent solids data were not provided in this data pack.



**Data Usability Summary Report for
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1066138
Soil Sample
Collected February 14, 2005**

Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

Prepared by: Donald Anné
May 5, 2005

The data packages did not contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. The data packs contained the results of volatile, semi-volatile, TPH, and metal analyses for one sample, E14-021405. This review is based solely on the data provided by the laboratory and as outlined in the QA/QC reviews.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The positive result for TPH was flagged as “not detected” (U) in sample E14-021405 because the sample result was not significantly greater than the concentration detected in the associated method blank.
- The result reported as “not detected” for silver was flagged as “estimated” (J) in sample E14-021405 because the percent recovery for silver was below control limits (80-120%) for the ICP Interference Check Samples.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



QA/QC Review of Volatiles Data
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1066138
Soil Sample
Collected February 14, 2005

Prepared by: Donald Anné
May 5, 2005

Holding Times: Sample E14-021405 was analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The CCRFs for SPCCs and CCCs were above the allowable minimum (0.050), as required. The %D for bromoform (29.4%) was above the allowable maximum (25%) on 02-15-05 (Q050215.D). Positive results for bromoform should be considered estimates (J) in associated samples. Note: The CCRFs and %Ds for all target compounds were not provided; only data for SPCCs and CCCs were reviewed.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum (20%) and the percent recoveries were within QC limits (70-130%) for the MS/MSD sample 1065977.

Compound ID: Target compounds were reported as not detected for sample E14-021405.

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Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

QA/QC Review of Semi-Volatiles Data
Long Island Analytical Laboratories Inc.
Laboratory ID Number 1066138
Soil Sample
Collected February 14, 2005

Prepared by: Donald Anné
May 5, 2005

Holding Times: Sample E14-021405 was extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The CCRFs for SPCCs and CCCs were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required. Note: The CCRFs and %Ds for all target compounds were not provided; only data for SPCCs and CCCs were reviewed.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for acenaphthene and pyrene were below the allowable maximum (40%) and the percent recoveries were within QC limits (50-150%) for the MS/MSD sample 1066060.

Laboratory Control Sample: The percent recoveries for acenaphthene and pyrene were above QC limits (50-150%) for the LCS sample.

Compound ID: Target compounds were reported as not detected for sample E14-021405.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of Method 8015 TPH* Data for
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1066527-1066530
Soil Samples
Collected February 17, 2005**

Prepared by: Donald Anné
May 5, 2005

Holding Times: Sample E14-021405 was extracted and analyzed within NYSDEC holding times.

Blanks: The method blank contained GRO (9.2 mg/kg) and DRO (105.0 mg/kg). Results for TPH that are less than five times the method blank level (total 114 mg/kg) should be reported as not detected (U) in associated samples.

Surrogate Recovery: The surrogate recoveries were within advisory limits (70-130%) for samples in this data pack.

Matrix Spike/Matrix Spike Duplicate: This data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: This data were not provided in this data pack; therefore, %Rs could not be evaluated for potential matrix effects.

Initial Calibration: The %RSD for GRO was below the allowable maximum (20%), as required. The %RSD for DRO (33%) was above the allowable maximum (20%). Results for TPH should be considered estimates (J) because DRO is a portion of TPH.

Continuing Calibration: The %D for DRO was below the allowable maximum (15%), as required.

* Total petroleum hydrocarbons (TPH) is calculated by adding diesel range organics (DRO) and gasoline range organics (GRO)



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of RCRA Metals Data for
Long Island Analytical Laboratories Inc.
Laboratory ID Number 1066138
Soil Sample
Collected February 14, 2005**

Prepared by: Donald Anné
May 5, 2005

Holding Times: Sample E14-021405 was analyzed within NYSDEC holding times.

Initial and Continuing Calibration Verification: The continuing calibration verification (CCV) percent recoveries for RCRA metals were within control limits (80-120% for Hg, 90-110% for all other metals). Initial calibration verification data were not provided by the laboratory; however, the sample analyses were performed between two CCVs that were within control limits.

CRDL Standard: CRDL standard data was not provided in this data pack.

Blanks: The analyses of initial and continuing calibration and method blanks reported RCRA metals as not detected.

ICP Interference Check Sample: The percent recovery for silver (71%) was outside control limits (80-120%). Results for silver should be considered estimates (J).

Spike Sample Recovery: The percent recoveries for RCRA metals were within control limits (75-125%) for MS/MSD sample 1066121.

Duplicates: The relative percent differences for RCRA metals were below the allowable maximum (35%) for MS/MSD sample 1066121.

Laboratory Control Sample: The percent recoveries for RCRA metals were within control limits (80-120%) for the LCS.

ICP Serial Dilution: ICP serial dilution data were not provided in this data pack.

Metals Data
Laboratory ID Number 1066138

Instrument Detection Limits: IDL data were not provided in this data pack.

Percent Solids: Percent solids data were not provided in this data pack.



Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

**Data Usability Summary Report for
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1068436-1068437
Soil Samples
Collected March 14, 2005**

Prepared by: Donald Anné
May 2, 2005

The data packages did not contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. The data packs contained the results of volatile, semi-volatile, PCB, pesticide, herbicide, and metal analyses. This review is based solely on the data provided by the laboratory and as outlined in the QA/QC reviews.

The data are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- Results for all metals except mercury were flagged as “estimated” (J) in samples EP-G6-031405 and EP-H5-031405 because spike recovery and duplicate data was not provided.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

QA/QC Review of Volatiles Data
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1068436-1068437
Soil Samples
Collected March 14, 2005

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The CCRFs for SPCCs and CCCs were above the allowable minimum (0.050), as required. The %D for bromoform (25.6%) was above the allowable maximum (25%) on 03-16-05 (Q050315.D). Positive results for bromoform should be considered estimates (J) in associated samples. Note: The CCRFs and %Ds for all target compounds were not provided; only data for SPCCs and CCCs were reviewed.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum (20%) and the percent recoveries were within QC limits (70-130%) for the MS/MSD sample.

Compound ID: Target compounds were reported as not detected for samples in this data pack.

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Data Validation
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**QA/QC Review of Semi-Volatiles Data
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1068436-1068437
Soil Samples
Collected March 14, 2005**

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The CCRFs for SPCCs and CCCs were above the allowable minimum (0.050), as required. The %D for hexachlorocyclopentadiene (34.6%) was above the allowable maximum (25%) on 03-15-05 (Q050315.D). The %Ds for hexachlorocyclopentadiene (28.2%) and 2,4-dinitrophenol (30.7%) were above the allowable maximum (25%) on 03-16-05 (Q050316A.D). Positive results for these two compounds should be considered estimates (J) in associated samples. Note: The CCRFs and %Ds for all target compounds were not provided; only data for SPCCs and CCCs were reviewed.

Blanks: The analyses of method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum (40%) and the percent recoveries were within QC limits (50-150%) for the MS/MSD sample.

Semi-Volatile Data
Laboratory ID Numbers 1068436-1068437

Laboratory Control Sample: The percent recoveries were above QC limits (60-140%) for the LCS sample.

Compound ID: Target compounds were reported as not detected for samples in this data pack.



Data Validation
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**QA/QC Review of Pesticide/PCB Data for
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1068436-1068437
Soil Samples
Collected March 14, 2005**

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analyses of the instrument and method blanks reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within advisory limits (50-150%) on both columns for samples in this data pack.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum (40%) and the percent recoveries were within QC limits (50-150%) for the MS/MSD sample.

Laboratory Control Sample: The LCS data were not provided in this data pack.

Initial Calibration: The %RSDs for target pesticides and average %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The average %Ds for target aroclors were below the allowable maximum (15%) for primary and confirmation columns, as required.

The %D for endrin aldehyde (18%) was above the allowable maximum (15%) for primary column on 03-16-05. Positive results for endrin aldehyde should be considered estimates in associated samples

Endrin and DDT Breakdown Evaluation: The percent breakdowns were below the allowable maximum (20%) for endrin and 4,4-DDT, as required.

Pesticide Analytical Sequence: This data were not provided by the laboratory because samples were quantitated using internal standards.

Pesticide Identification Summary for Single Component Analytes: There were no detectable concentrations of single component pesticides reported in samples contained in this data pack.

Pesticide Identification Summary for Multicomponent Analytes: There were no detectable concentrations of target multi-component pesticides and PCBs reported in samples contained in this data pack.



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**QA/QC Review of Herbicide Data for
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1068436-1068437
Soil Samples
Collected March 14, 2005**

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target herbicides as not detected.

Surrogate Recovery: The surrogate recoveries were within advisory limits (60-140%) for samples in this data pack.

Matrix Spike/Matrix Spike Duplicate: This data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: This data were not provided in this data pack; therefore, %Rs could not be evaluated for potential matrix effects.

Initial Calibration: The %RSDs for target compounds were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for target compounds were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: There were no detectable concentrations of target compounds reported in samples contained in this data pack.



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**QA/QC Review of Metals and Cyanide Data for
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1068436-1068437
Soil Samples
Collected March 14, 2005**

Prepared by: Donald Anné
April 29, 2005

Holding Times: Samples were analyzed within NYSDEC holding times.

Initial and Continuing Calibration Verification: The continuing calibration verification (CCV) percent recoveries for target metals were within control limits (80-120% for Hg, 90-110% for all other metals, 85-115% for cyanide). Initial calibration verification data were not provided by the laboratory; however, the sample analyses were performed between two CCVs that were within control limits.

CRDL Standard: CRDL standard data was not provided in this data pack.

Blanks: The analyses of initial and continuing calibration and method blanks reported target metals and cyanide as not detected.

ICP Interference Check Sample: The percent recoveries for the following metals were outside control limits (80-120%). Results for these metals should be considered estimates (J):

antimony (0%)	calcium (54%)	manganese (78%)
silver (59%)	thallium (121%)	zinc (3.9%)

Spike Sample Recovery: The percent recoveries for mercury and cyanide were within control limits (75-125%) for spike samples.

Spike recovery data for all other metals was not provided in this data pack. Results for all metals except mercury should be considered estimates (J).

Duplicates: The relative percent differences for mercury and cyanide were below the allowable maximum (35%) for duplicate samples.

Duplicate data for all other metals was not provided in this data pack. Positive results for all metals except mercury should be considered estimates (J).

Laboratory Control Sample: The percent recoveries for calcium (146%) and potassium (75%) were outside control limits (80-120%) for the LCS. Positive results for calcium and all results for potassium should be considered estimates (J).

ICP Serial Dilution: ICP serial dilution data were not provided in this data pack.

Instrument Detection Limits: IDL data were not provided in this data pack.

Percent Solids: Percent solids data were not provided in this data pack.



May 20, 2005

Ms. Ilkay Cam-Spanos
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, Suite 900
New York, NY 10001-27279

Re: Revised Data Validation Reports for Herbicide Analyses
Glendale, New York Project

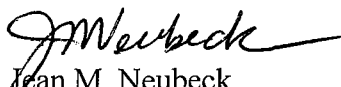
Dear Ms. Cam-Spanos:

The revised data validation summaries are attached to this letter for the Glendale, New York project. The herbicide reports were revised at your request, to include reviewing the analyses for one additional herbicide, 2,4,5-T, that was not previously contained in the initial sample delivery groups provided by the laboratory.

The herbicide data all are acceptable with no rejected data for the following data packages: STL Connecticut Job Nos. 208377, 208437, 208473, 208607, 209073, 209159, 209172, 209184, 209185, and Long Island Analytical Laboratories, Inc., ID No. 068436-1068437. It was not necessary to revise any of the associated DUSRs for the above data packages.

If you have any questions concerning these revised reports, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Environmental Consultants, Inc.


Jean M. Neubeck
President

JMN:bms

Attachments



Data Validation

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REVISED
QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 208377
(STL Buffalo Job# A04-C686)
Soil Samples
Collected December 17, 2004

Prepared by: Donald Anné
May 19, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported 2,4-D, 2,4,5-T, and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD sample A4B2139103.

Initial Calibration: The %RSDs for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D, 2,4,5-T, and 2,4,5-TP reported in samples contained in this data pack.



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REVISED
QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 208437
(STL Buffalo Job# A05-0014)
Soil Samples
Collected December 29, 2004

Prepared by: Donald Anné
May 19, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported 2,4-D, 2,4,5-T, and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD sample A5004803.

Laboratory Control Sample: The percent recoveries for 2,4-D, 2,4,5-T, and 2,4,5-TP were within QC limits for LCS sample A5B0010002.

Initial Calibration: The %RSDs for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %D for 2,4,5-T (18.9%) was above the allowable maximum (15%) for RTXCLPII column on 01-07-05 (13b01018.raw). The %D for 2,4,5-T (23.2%) was above the allowable maximum (15%) for RTXCLPII column on 01-07-05 (13b01029.raw). Positive results for 2,4,5-T should be considered estimates (J) in associated samples.

Field Duplicate: The analyses for field duplicates reported target pesticides as not detected in sample pair EP-I5-122904/EP-I5-122904-DUP.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D, 2,4,5-T, and 2,4,5-TP reported in samples contained in this data pack.



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REVISED
QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 208473
(STL Buffalo Job# A05-0200)
Soil Samples
Collected January 5 and 6, 2005

Prepared by: Donald Anné
May 19, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported 2,4-D, 2,4,5-T, and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD sample A5B0033803,

Initial Calibration: The %RSDs for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %D for 2,4,5-T (20.5%) was above the allowable maximum (15%) for the RTXCLPII column on 01-12-05 @ 15:20. The %D for 2,4,5-T (19.9%) was above the allowable maximum (15%) for the RTXCLPII column on 01-12-05 @ 20:44. Positive results for 2,4,5-T should be considered estimates (J) in associated samples.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D, 2,4,5-T, and 2,4,5-TP reported in samples contained in this data pack.



REVISED
QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 208607
(STL Buffalo Job# A05-0657)
Soil Samples
Collected January 21, 2005

Prepared by: Donald Anné
May 19, 2005

Holding Times: Sample EP-SW-B8-012105 was extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported 2,4-D, 2,4,5-T, and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for sample EP-SW-B8-012105.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD sample A5B0107903.

Initial Calibration: The %RSDs for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D, 2,4,5-T, and 2,4,5-TP reported in sample EP-SW-B8-012105.



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REVISED
QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 209073
(STL Buffalo Job# A05-2536)

Soil Samples
Collected March 18, 2005

Prepared by: Donald Anné
May 17, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analyses of method blanks reported target herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The percent recoveries were within QC limits, but one of three relative percent differences was above the allowable maximum for soil MS/MSD sample A5B038503. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Initial Calibration: The %RSDs for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D, 2,4,5-T, and 2,4,5-TP reported in the four samples reviewed in this data pack.

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REVISED
QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 209159
(STL Buffalo Job# A05-2962, A05-3506)

Soil Samples
Collected March 30, 2005

Prepared by: Donald Anné
May 17, 2005

Holding Times: Sample BLDG4-J(8)-033005 was extracted beyond the NYSDEC holding times. Results for sample BLDG4-J(8)-033005 should be considered estimated (J).

Blanks: The analyses of method blanks reported target herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for soil MS/MSD sample A5B0512903. The %Rs were within QC limits, but two of three RPDs were above the allowable maximum for soil MS/MSD sample A5B0450003. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Initial Calibration: The %RSDs for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D, 2,4,5-T, and 2,4,5-TP reported in the three samples reviewed in this data pack.



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REVISED
QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 209172
(STL Buffalo Job# A05-3010, A05-3134)
Soil Samples
Collected March 30 and 31, 2005

Prepared by: Donald Anné
May 17, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analyses of method blanks reported target herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD samples A5B0455003 and A5B0492203.

Initial Calibration: The %RSDs for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D, 2,4,5-T, and 2,4,5-TP reported in the five samples reviewed in this data pack.



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REVISED
QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 209184
(STL Buffalo Job# A05-3132)
Soil Samples
Collected March 31 and April 1, 2005

Prepared by: Donald Anné
May 17, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analyses of method blanks reported target herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD samples A5B0471803 and A5B0521903.

Initial Calibration: The %RSDs for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D, 2,4,5-T, and 2,4,5-TP reported in the four samples reviewed in this data pack.

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Data Validation
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REVISED
QA/QC Review of Herbicide Data for
STL Connecticut, STL Job No. 209185
(STL Buffalo Job# A05-3133, A05-3508)

Soil Samples
Collected April 1, 2005

Prepared by: Donald Anné
May 17, 2005

Holding Times: Samples GAR-D1(7)-040105 and GAR-D2(7)-040105 were extracted beyond NYSDEC holding times. Results for sample GAR-D1(7)-040105 and GAR-D2(7)-040105 should be considered estimates (J).

Blanks: The analyses of method blanks reported target herbicides 2,4-D, 2,4,5-T, and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for soil MS/MSD samples A5B0471803 and A5B0521903.

Initial Calibration: The %RSDs for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for 2,4-D, 2,4,5-T, and 2,4,5-TP were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detectable concentrations of 2,4-D, 2,4,5-T, and 2,4,5-TP reported in the four samples reviewed in this data pack.



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REVISED
QA/QC Review of Herbicide Data for
Long Island Analytical Laboratories Inc.
Laboratory ID Numbers 1068436-1068437

Soil Samples
Collected March 14, 2005

Prepared by: Donald Anné
May 17, 2005

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target herbicides dicamba, 2,4,-D, 2,4,5-T, 2,4,5-TP, and 2,4-DB as not detected.

Surrogate Recovery: The surrogate recoveries were within advisory limits (60-140%) for samples in this data pack.

Matrix Spike/Matrix Spike Duplicate: This data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: This data were not provided in this data pack; therefore, %Rs could not be evaluated for potential matrix effects.

Initial Calibration: The %RSDs for target compounds were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The %Ds for target compounds were below the allowable maximum (15%) for primary and confirmation columns, as required.

Herbicide Identification Summary: There were no detectable concentrations of target compounds reported in samples contained in this data pack.

Table 1 Samples For Data Validation Review
Atlas Park - Parcel B
Glendale, New York
Severn Trent Sample Delivery Group 209184

SAMPLE I.D.	LABORATORY I.D.	DATE SAMPLED	MATRIX	ANALYSES PERFORMED	
				VOC	SVOC
USTI-BOT-033105	209184	3/31/2005	Soil		X
USTI-NSW-033105	209184	3/31/2005	Soil		X
USTI-ESW-033105	209184	3/31/2005	Soil		X
USTI-WSW-033105	209184	3/31/2005	Soil		X
USTI-SSW-033105	209184	3/31/2005	Soil		X

VOC Volatile Organic Compounds
SVOC Semivolatile Organic Compounds

Job Number: 209184

LABORATORY TEST RESULTS

Date: 04/22/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: US11-BOT-033105
 Date Sampled.....: 03/31/2005
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209184-5
 Date Received.....: 04/01/2005
 Time Received.....: 19:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	91.8		0.10	0.10	1	%	46798		04/05/05 0000	rlm
	% Moisture, Solid	8.2		0.10	0.10	1	%	46798		04/05/05 0000	rlm
8270C	Semi-volatile Organics	ND	U								
	Naphthalene, Solid*	590	J	240	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Acenaphthene, Solid*	790	J	230	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Fluorene, Solid*	2100	J	180	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Phenanthrene, Solid*	740	J	170	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Anthracene, Solid*	500	J	230	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Fluoranthene, Solid*	2100	J	180	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Pyrene, Solid*	670	J	200	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Benzo(a)anthracene, Solid*	1200	J	190	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Chrysene, Solid*	ND	U	180	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Benzo(b)fluoranthene, Solid*	170	J	400	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Benzo(k)fluoranthene, Solid*	570	J	160	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Indeno(1,2,3-cd)pyrene, Solid*	200	J	180	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Dibenzo(a,h)anthracene, Solid*	ND	U	150	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm
	Benzo(ghi)perylene, Solid*	410	J	160	1400	2.00000	ug/Kg	46880		04/06/05 2143	dmm

* In Description = Dry Wgt.

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4/22/2005
 JMB

Job Number: 209184

LABORATORY TEST RESULTS

Date: 04/22/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107 ATLAS

ATTN: Jamie Barr

Customer Sample ID: UST1-NSM-033105
Date Sampled.....: 03/31/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 209184-6
Date Received.....: 04/01/2005
Time Received.....: 19:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	91.8 8.2		0.10 0.10	0.10 0.10	1 1	% %	46798 46798		04/05/05 0000 04/05/05 0000	FLM FLM
8270C	Semi-volatile Organics Naphthalene, Solid* Acenaphthene, Solid* Fluorene, Solid* Phenanthrene, Solid* Anthracene, Solid* Fluoranthene, Solid* Pyrene, Solid* Benzo(a)anthracene, Solid* Chrysene, Solid* Benzo(b)fluoranthene, Solid* Benzo(k)fluoranthene, Solid* Benzo(a)pyrene, Solid* Indeno(1,2,3-cd)pyrene, Solid* Dibenzo(a,h)anthracene, Solid* Benzo(ghi)perylene, Solid*	ND 2500 3500 16000 3200 1900 5300 2400 3900 ND 400 1600 300 ND 520	U J J J J J J J J U J J J U J	490 470 370 330 470 360 390 2800 360 790 320 350 290 320 320	2800 2800 2800 2800 2800 2800 2800 2800 2800 2800 2800 2800 2800 2800 2800	4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000 4.00000	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	46880 46880 46880 46880 46880 46880 46880 46880 46880 46880 46880 46880 46880 46880 46880		04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213 04/06/05 2213	dlm dlm dlm dlm dlm dlm dlm dlm dlm dlm dlm dlm dlm dlm dlm

* In Description = Dry Wgt.

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04/22/2005
JMB

Job Number: 209184

LABORATORY TEST RESULTS

Date: 04/22/2005

CUSTOMER: LAMAR ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: UST1-ESW-033105
 Date Sampled.....: 03/31/2005
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209184-7
 Date Received.....: 04/01/2005
 Time Received.....: 19:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DL	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	92.3			0.10	0.10	1	%	46798		04/05/05 0000	rlm
	% Moisture, Solid	7.7			0.10	0.10	1	%	46798		04/05/05 0000	rlm
8270C	Semi-volatile Organics		U									
	Naphthalene, Solid*	ND	U		61	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Acenaphthene, Solid*	ND	U		59	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Fluorene, Solid*	ND	U		46	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Phenanthrene, Solid*	ND	U		42	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Anthracene, Solid*	ND	U		59	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Fluoranthene, Solid*	ND	U		45	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Pyrene, Solid*	ND	U		49	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Benzo(a)anthracene, Solid*	ND	U		48	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Chrysene, Solid*	ND	U		45	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Benzo(b)fluoranthene, Solid*	ND	U		99	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Benzo(k)fluoranthene, Solid*	ND	U		40	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Benzo(a)pyrene, Solid*	ND	U		44	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		36	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Dibenzo(a,h)anthracene, Solid*	ND	U		40	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm
	Benzo(ghi)perylene, Solid*	ND	U		40	350	1.00000	ug/Kg	46880		04/05/05 1518	dlm

* In Description = Dry Wgt.

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1727100
 1727100

Job Number: 209184

LABORATORY TEST RESULTS

Date: 04/22/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: UST1-WSW-033105
Date Sampled.....: 03/31/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 209184-8
Date Received.....: 04/01/2005
Time Received.....: 19:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	85.0			0.10	0.10	1	%	46798		04/05/05 0000	r/lm
	% Moisture, Solid	15.0			0.10	0.10	1	%	46798		04/05/05 0000	r/lm
8270C	Semivolatile Organics		U		66	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Naphthalene, Solid*	ND	U		64	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Acenaphthene, Solid*	ND	U		50	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Fluorene, Solid*	92	U		45	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Phenanthrene, Solid*	ND	U		64	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Anthracene, Solid*	60	U		49	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Fluoranthene, Solid*	150	U		53	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Pyrene, Solid*	55	U		52	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Benzo(a)anthracene, Solid*	ND	U		49	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Chrysene, Solid*	ND	U		110	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Benzo(b)fluoranthene, Solid*	ND	U		43	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Benzo(k)fluoranthene, Solid*	ND	U		48	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Benzo(a)pyrene, Solid*	ND	U		39	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		43	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Dibenzo(a,h)anthracene, Solid*	ND	U		43	380	1.00000	ug/Kg	46880		04/05/05 1547	dim
	Benzo(ghi)perylene, Solid*	ND	U		43	380	1.00000	ug/Kg	46880		04/05/05 1547	dim

* In Description = Dry Wgt.

J. Barr

Job Number: 209184

LABORATORY TEST RESULTS

Date: 04/22/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: UT11-SSW-033105
 Date Sampled.....: 03/31/2005
 Time Sampled.....: 12:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209184-9
 Date Received.....: 04/01/2005
 Time Received.....: 19:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q-FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	92.9		0.10	0.10	1	%	46798		04/05/05 0000	rlm
	% Moisture, Solid	7.1		0.10	0.10	1	%	46798		04/05/05 0000	rlm
8270C	Semi-volatile Organics	ND	U	59	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Naphthalene, Solid*	ND	U	57	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Acenaphthene, Solid*	ND	U	44	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Fluorene, Solid*	ND	U	40	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Phenanthrene, Solid*	ND	U	57	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Anthracene, Solid*	ND	U	43	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Fluoranthene, Solid*	ND	U	47	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Pyrene, Solid*	ND	U	46	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Benzo(a)anthracene, Solid*	ND	U	43	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Chrysene, Solid*	ND	U	96	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Benzo(b)fluoranthene, Solid*	ND	U	38	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Benzo(k)fluoranthene, Solid*	ND	U	42	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Benzo(a)pyrene, Solid*	ND	U	35	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U	38	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Dibenzo(a,h)anthracene, Solid*	ND	U	38	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm
	Benzo(ghi)perylene, Solid*	ND	U	38	340	1.00000	ug/Kg	46880		04/05/05 1646	dmm

* In Description = Dry Wgt.

00000031

SP11/005
 11/11/05

Table 1 Samples For Data Validation Review
Atlas Park Interim Remedial Measures
Glendale, New York
Severn Trent Sample Delivery Group 209280

SAMPLE I.D.	LABORATORY I.D.	DATE SAMPLED	MATRIX	ANALYSES PERFORMED	
				MET	
BLD28-T1A-041405	209280	4/14/2005	Soil	X	
BLD28-T1B-041405	209280	4/14/2005	Soil	X	
BLD28-T1C-041405	209280	4/14/2005	Soil	X	
BLD28-T1D-041405	209280	4/14/2005	Soil	X	
BLD28-T1E-041405	209280	4/14/2005	Soil	X	
BLD28-T2A-041405	209280	4/14/2005	Soil	X	
BLD28-T2B-041405	209280	4/14/2005	Soil	X	
BLD28-T2C-041405	209280	4/14/2005	Soil	X	
BLD28-T2D-041405	209280	4/14/2005	Soil	X	
BLD28-T2E-041405	209280	4/14/2005	Soil	X	
BLD28-T3A-041405	209280	4/14/2005	Soil	X	
BLD28-T3B-041405	209280	4/14/2005	Soil	X	
BLD28-T3C-041405	209280	4/14/2005	Soil	X	
BLD28-T3D-041405	209280	4/14/2005	Soil	X	
BLD28-T3E-041405	209280	4/14/2005	Soil	X	
BLD28-T4A-041405	209280	4/14/2005	Soil	X	
BLD28-T4B-041405	209280	4/14/2005	Soil	X	
BLD28-T4C-041405	209280	4/14/2005	Soil	X	
BLD28-T4D-041405	209280	4/14/2005	Soil	X	
BLD28-T4E-041405	209280	4/14/2005	Soil	X	

MET Chromium, Copper, Nickel, Zinc, Barium, Arsenic, Selenium, Vanadium

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555-02-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-T1A-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-1
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	94.5 5.5			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	ND 29400 7860 15100 10100 ND 11700 23600	U ✓ U U U U U U		1510 227 420 989 544 1980 445 4700	9890 2470 3710 6180 6180 19800 4940 24700	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1117 04/19/05 1117 04/19/05 1117 04/19/05 1117 04/19/05 1117 04/19/05 1117 04/19/05 1117 04/19/05 1117	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Wgt.

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SMR
12/27/04

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-T1B-041405
Date Sampled.....: 04/14/2005
Time Sampled.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID: 209280-2
Date Received.....: 04/15/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	92.0 8.0		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	4070 107000 13600 53000 19400 ND 52000 86700	B X U	1430 216 398 5860 515 1870 422 4450	9370 2340 3510 5860 5860 18700 4690 23400	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1147 04/19/05 1147 04/19/05 1147 04/19/05 1147 04/19/05 1147 04/19/05 1147 04/19/05 1147 04/19/05 1147	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Wgt.

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SM
12/21/05

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGHAM ENVIRONMENTAL SERVICES

PROJECT: 555307 ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-T1C-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-3
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MOI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	92.9 7.1		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	2430 36000 8650 18200 11900 ND 13000 26600	ND ND ND ND ND ND ND ND	1560 236 436 1030 564 2050 461 4870	10300 2560 3840 6410 6410 20500 5130 25600	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1153 04/19/05 1153 04/19/05 1153 04/19/05 1153 04/19/05 1153 04/19/05 1153 04/19/05 1153 04/19/05 1153	mp mp mp mp mp mp mp mp

* In Description = Dry Wgt.

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SMK
12/22/06

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555307-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-11D-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-4
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	90.8 9.2			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	9120 155000 14400 73400 14700 ND 24300 111000		AD	1230 185 342 804 442 1610 362 3820	8040 2010 3010 5020 5020 16100 4020 20100	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1159 04/19/05 1159 04/19/05 1159 04/19/05 1159 04/19/05 1159 04/19/05 1159 04/19/05 1159 04/19/05 1159	mp mp mp mp mp mp mp mp

* In Description = Dry Wgt.

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SMK
12/24/04

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Bare

Customer Sample ID: BLDG28-T1E-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-5
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	92.5 7.5		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	4170 81500 15400 48700 15300 ND 19900 71400	U XJ	1590 239 442 1040 572 2080 468 4940	10400 2600 3900 6500 6500 20800 5200 26000	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1205 04/19/05 1205 04/19/05 1205 04/19/05 1205 04/19/05 1205 04/19/05 1205 04/19/05 1205 04/19/05 1205	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Wgt.

SMK
10/21/05

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLD628-12A-041405
Date Sampled.....: 04/14/2005
Time Sampled.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID: 209280-6
Date Received.....: 04/15/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	94.7 5.3		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
60108	Metals Analysis (ICAP Trace)										
	Arsenic, Solid*	3200		1460	9600	1	ug/Kg	47461		04/19/05 1211	nmp
	Barium, Solid*	75600		221	2400	1	ug/Kg	47461		04/19/05 1211	nmp
	Chromium, Solid*	10300		408	3600	1	ug/Kg	47461		04/19/05 1211	nmp
	Copper, Solid*	38300		960	6000	1	ug/Kg	47461		04/19/05 1211	nmp
	Nickel, Solid*	12500		528	6000	1	ug/Kg	47461		04/19/05 1211	nmp
	Selenium, Solid*	ND		1920	19200	1	ug/Kg	47461		04/19/05 1211	nmp
	Vanadium, Solid*	16000		432	4800	1	ug/Kg	47461		04/19/05 1211	nmp
	Zinc, Solid*	57300		4560	24000	1	ug/Kg	47461		04/19/05 1211	nmp

* In Description = Dry Wgt.

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SMP
12/24/05

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-T28-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-7
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	95.8 4.2			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rjm rjm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	4650 96500 11500 50400 15200 ND 17900 76500		B X J	1250 189 349 822 452 1640 370 3900	8220 2050 3080 5140 5140 16400 4110 20500	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1229 04/19/05 1229 04/19/05 1229 04/19/05 1229 04/19/05 1229 04/19/05 1229 04/19/05 1229 04/19/05 1229	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Wgt.

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5/12/05
 JMB

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107-ALLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-T2C-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-8
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	97.8 2.2		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	FLM FLM
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	2710 69900 9940 25900 11500 ND 14700 37000	1 1 1 1 1 1 1 1 1	1360 205 378 889 489 1780 400 4220	8890 2220 3330 5560 5560 17800 4450 22200	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1235 04/19/05 1235 04/19/05 1235 04/19/05 1235 04/19/05 1235 04/19/05 1235 04/19/05 1235 04/19/05 1235	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Wgt.

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Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 3553107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-12D-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-9
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	96.9 3.1		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rjm rjm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	3520 72500 14400 36800 16000 ND 19100 67200	MSL U	1420 214 395 930 511 1860 418 4420	9300 2320 3490 5810 5810 18600 4650 23200	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1241 04/19/05 1241 04/19/05 1241 04/19/05 1241 04/19/05 1241 04/19/05 1241 04/19/05 1241 04/19/05 1241	rnp rnp rnp rnp rnp rnp rnp rnp

* In Description = Dry Wgt.

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Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107 ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-T2E-04/14/05
Date Sampled.....: 04/14/2005
Time Sampled.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID: 209280-10
Date Received.....: 04/15/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	95.9 4.1			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rjm rjm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	5150 127000 13100 55200 18000 ND 21900 77500		✓ ✓ ✓ ✓ ✓ U	1540 233 430 1010 557 2020 456 4810	10100 2530 3800 6330 6330 20200 5060 25300	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1247 04/19/05 1247 04/19/05 1247 04/19/05 1247 04/19/05 1247 04/19/05 1247 04/19/05 1247 04/19/05 1247	mmp mmp mmp mmp mmp mmp mmp mmp

* In Description = Dry Wgt.

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12/20/05

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-13A-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-11
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	92.1 7.9		0.10 0.10	0.10 0.10	1 1	%	47344 47344		04/18/05 0000 04/18/05 0000	r-lm r-lm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	3940 81200 21400 33300 16400 ND 27300 79400	9 15 U	1360 205 378 890 489 1780 400 4230	8900 2220 3340 5560 5560 17800 4450 22200	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1253 04/19/05 1253 04/19/05 1253 04/19/05 1253 04/19/05 1253 04/19/05 1253 04/19/05 1253 04/19/05 1253	mnp mnp mnp mnp mnp mnp mnp mnp

* In Description = Dry Wgt.

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Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-T3B-041405
Date Sampled.....: 04/14/2005
Time Sampled.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID: 209280-12
Date Received.....: 04/15/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RE	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	79.0 21.0		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	FLM FLM
60108	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	ND 48100 10800 24300 13400 ND 13900 45100	U N	1820 275 508 1190 657 2390 537 5670	11900 2990 4480 7460 7460 23900 5970 29900	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1259 04/19/05 1259 04/19/05 1259 04/19/05 1259 04/19/05 1259 04/19/05 1259 04/19/05 1259 04/19/05 1259	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Wgt.

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12/21/05

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555307-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-T3C-041405
Date Sampled.....: 04/14/2005
Time Sampled.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID: 209280-13
Date Received.....: 04/15/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI	FLAG	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	80.7 19.3			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	2910 60000 10300 32100 12500 ND 14100 58700		NT	1270 191 353 832 457 1660 374 3950	8320 2080 3120 5200 5200 16600 4160 20800	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1305 04/19/05 1305 04/19/05 1305 04/19/05 1305 04/19/05 1305 04/19/05 1305 04/19/05 1305 04/19/05 1305	mlp mlp mlp mlp mlp mlp mlp mlp

* In Description = Dry Wgt.

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7/22/05

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LAMON ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-TSD-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-14
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	82.0 18.0			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
60108	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	4250 99700 11500 49000 12500 ND 18000 76800		1 1 1 1 1 1 1 1	1360 205 378 890 490 1780 401 4230	8900 2230 3340 5560 5560 17800 4450 22300	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1311 04/19/05 1311 04/19/05 1311 04/19/05 1311 04/19/05 1311 04/19/05 1311 04/19/05 1311 04/19/05 1311	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Wgt.

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12/2/2004

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107 ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-T3E-041405
Date Sampled.....: 04/14/2005
Time Sampled.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID: 209280-15
Date Received.....: 04/15/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	79.7 20.3			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	4290 75800 10000 39100 11800 ND 14500 69800		B X J	1370 206 381 896 493 1790 403 4260	8960 2240 3360 5600 5600 17900 4480 22400	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1317 04/19/05 1317 04/19/05 1317 04/19/05 1317 04/19/05 1317 04/19/05 1317 04/19/05 1317 04/19/05 1317	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Wgt.

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Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: CANGAM ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-14A-041405
Date Sampled.....: 04/14/2005
Time Sampled.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID: 209280-16
Date Received.....: 04/15/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	80.7 19.3			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	FLM FLM
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	14100 326000 21700 143000 19500 ND 40700 221000		✓ J	1260 190 351 826 454 1650 372 3920	8260 2070 3100 5160 5160 16500 4130 20700	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1323 04/19/05 1323 04/19/05 1323 04/19/05 1323 04/19/05 1323 04/19/05 1323 04/19/05 1323 04/19/05 1323	mp mp mp mp mp mp mp mp

* In Description = Dry Wgt.

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Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-14B-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-17
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	80.6 19.4			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	r.lm r.lm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	5330 91000 10900 27100 14700 ND 15200 62600		B X ST	1650 248 459 1080 593 2160 486 5120	10800 2700 4050 6740 6740 21600 5390 27000	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1341 04/19/05 1341 04/19/05 1341 04/19/05 1341 04/19/05 1341 04/19/05 1341 04/19/05 1341 04/19/05 1341	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Hgt.

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SMK
12/24/05

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107 ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-14C-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-18
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	78.6 21.4		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	7670 207000 17400 74200 23500 ND 27500 185000	U U U U U U U U	1490 225 416 979 538 1960 440 4650	9790 2450 3670 6120 6120 19600 4890 24500	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1347 04/19/05 1347 04/19/05 1347 04/19/05 1347 04/19/05 1347 04/19/05 1347 04/19/05 1347 04/19/05 1347	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Wgt.

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12/22/2004

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5553107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-14D-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-19
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	77.4 22.6			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	21000 237000 19800 148000 19000 ND 59900 238000		MSH	1490 225 416 979 538 1960 440 4650	9790 2450 3670 6120 6120 19600 4890 24500	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1353 04/19/05 1353 04/19/05 1353 04/19/05 1353 04/19/05 1353 04/19/05 1353 04/19/05 1353 04/19/05 1353	mp mp mp mp mp mp mp mp

* In Description = Dry Wgt.

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SMH
 12/28/2005

Job Number: 209280

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Bart

Customer Sample ID: BLDG28-T4E-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209280-20
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	89.6 10.4		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	11700 248000 18500 120000 17800 ND 40700 231000	ND	1560 236 435 1020 563 2050 461 4860	10200 2560 3840 6400 6400 20500 5120 25600	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47461 47461 47461 47461 47461 47461 47461 47461		04/19/05 1359 04/19/05 1359 04/19/05 1359 04/19/05 1359 04/19/05 1359 04/19/05 1359 04/19/05 1359 04/19/05 1359	mnp mnp mnp mnp mnp mnp mnp mnp

* In Description = Dry Wgt.

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10/22/05

Table 1 Samples For Data Validation Review
Atlas Park - Parcel B
Glendale, New York
Severn Trent Sample Delivery Group 209281

SAMPLE I.D.	LABORATORY I.D.	DATE SAMPLED	MATRIX	ANALYSES PERFORMED MET	
BDLG28-T5A-041405	209281	1	4/14/2005	Soil	X
BDLG28-T5B-041405	209281	2	4/14/2005	Soil	X
BDLG28-T5C-041405	209281	3	4/14/2005	Soil	X
BDLG28-T5D-041405	209281	4	4/14/2005	Soil	X
BDLG28-T5E-041405	209281	5	4/14/2005	Soil	X

MET Chromium, Copper, Nickel, Zinc, Barium, Arsenic, Selenium, Vanadium

Job Number: 209281

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGHAM ENVIRONMENTAL SERVICES

PROJECT: 555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-15A-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209281-1
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	96.5 3.5		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rjm rjm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	6330 104000 10800 47000 13800 ND 17100 78200	ND ND ND ND ND ND ND ND ND	1410 213 393 925 509 1850 416 4400	9250 2310 3470 5780 5780 18500 4630 23100	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47463 47463 47463 47463 47463 47463 47463 47463		04/19/05 1417 04/19/05 1417 04/19/05 1417 04/19/05 1417 04/19/05 1417 04/19/05 1417 04/19/05 1417 04/19/05 1417	nmp nmp nmp nmp nmp nmp nmp nmp

* In Description = Dry Wgt.

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Job Number: 209281

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555307-ATLAS

ATTN: Jamie Barte

Customer Sample ID: BLD628-158-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209281-2
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	92.1 7.9			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rjm rjm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	ND 23000 5660 5940 10900 ND 6710 10500		U U U U U U U U U	1470 221 408 961 528 1920 432 4560	9610 2400 3600 6010 6010 19200 4800 24000	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47463 47463 47463 47463 47463 47463 47463 47463		04/19/05 1500 04/19/05 1500 04/19/05 1500 04/19/05 1500 04/19/05 1500 04/19/05 1500 04/19/05 1500 04/19/05 1500	rnp rnp rnp rnp rnp rnp rnp rnp

* In Description = Dry Wgt.

SMK
12/24/05

Date: 04/27/2005

ATTN: Jamie Barr

Laboratory Sample ID: 209281-3
Date Received.....: 04/15/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	93.4 6.6		0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	5590 130000 11600 49200 14700 ND 21700 111000	✓ ✓ ✓ ✓ ✓ U ✓ ✓	1170 177 327 770 424 1540 347 3660	7700 1930 2890 4810 4810 15400 3850 19300	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47463 47463 47463 47463 47463 47463 47463 47463		04/19/05 1506 04/19/05 1506 04/19/05 1506 04/19/05 1506 04/19/05 1506 04/19/05 1506 04/19/05 1506 04/19/05 1506	mmp mmp mmp mmp mmp mmp mmp mmp

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Job Number: 209281

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANIGAN ENVIRONMENTAL SERVICES

PROJECT: 555510X-ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-T50-041405
Date Sampled.....: 04/14/2005
Time Sampled.....: 11:00
Sample Matrix.....: Soil

Laboratory Sample ID: 209281-4
Date Received.....: 04/15/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	80.4 19.6			0.10 0.10	0.10 0.10	1 1	%	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	11900 375000 19700 147000 18200 ND 42900 214000		NT	1390 210 389 915 503 1830 412 4340	9150 2290 3430 5720 5720 18300 4570 22900	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47463 47463 47463 47463 47463 47463 47463 47463		04/19/05 1512 04/19/05 1512 04/19/05 1512 04/19/05 1512 04/19/05 1512 04/19/05 1512 04/19/05 1512 04/19/05 1512	mp mp mp mp mp mp mp mp

* In Description = Dry Wgt.

SMK
12/21/05

Job Number: 209281

LABORATORY TEST RESULTS

Date: 04/27/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 555107 ATLAS

ATTN: Jamie Barr

Customer Sample ID: BLDG28-15E-041405
 Date Sampled.....: 04/14/2005
 Time Sampled.....: 11:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 209281-5
 Date Received.....: 04/15/2005
 Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	80.7 19.3			0.10 0.10	0.10 0.10	1 1	% %	47344 47344		04/18/05 0000 04/18/05 0000	rlm rlm
6010B	Metals Analysis (ICAP Trace) Arsenic, Solid* Barium, Solid* Chromium, Solid* Copper, Solid* Nickel, Solid* Selenium, Solid* Vanadium, Solid* Zinc, Solid*	8130 167000 14900 73400 15300 ND 27200 146000		✓ ND	1590 239 443 1040 573 2080 469 4950	10400 2600 3900 6510 6510 20800 5210 26000	1 1 1 1 1 1 1 1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	47463 47463 47463 47463 47463 47463 47463 47463		04/19/05 1518 04/19/05 1518 04/19/05 1518 04/19/05 1518 04/19/05 1518 04/19/05 1518 04/19/05 1518 04/19/05 1518	mmp mmp mmp mmp mmp mmp mmp mmp

* In Description = Dry Wgt.

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SMK
12/21/04

Table 1 Samples For Data Validation Review
Atlas Park - Parcel B
Glendale, New York
Severn Trent Sample Delivery Group 210440

SAMPLE I.D.	LABORATORY I.D.	DATE SAMPLED	MATRIX	ANALYSES PERFORMED	
				SVOC	
T1-BOT-080905	210440	1	8/9/2005	Soil	X
T1-SW1-080905	210440	2	8/9/2005	Soil	X
T1-SW2-080905	210440	3	8/9/2005	Soil	X
T2-G-080905	210440	4	8/9/2005	Soil	X

SVOC Semivolatile Organic Compounds

Job Number: 210440

LABORATORY TEST RESULTS

Date: 08/15/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: T1-B01-080905
Date Sampled.....: 08/09/2005
Time Sampled.....: 10:45
Sample Matrix.....: Soil

Laboratory Sample ID: 210440-1
Date Received.....: 08/10/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
ASTM D-2216	% Solids, Solid % Moisture, Solid	87.0 13.0			0.10 0.10	0.10 0.10	1 1	% %	53059 53059		08/12/05 0000 08/12/05 0000	rlm rlm
8270C	Semi-volatile Organics Naphthalene, Solid* Acenaphthene, Solid* Fluorene, Solid* Phenanthrene, Solid* Anthracene, Solid* Fluoranthene, Solid* Pyrene, Solid* Benzo(a)anthracene, Solid* Chrysene, Solid* Benzo(b)fluoranthene, Solid* Benzo(k)fluoranthene, Solid* Benzo(a)pyrene, Solid* Indeno(1,2,3-cd)pyrene, Solid* Dibenzo(a,h)anthracene, Solid* Benzo(ghi)perylene, Solid*	ND ND ND 410 76 560 510 260 430 380 150 260 150 55 190	U U U J J J J J J J J J J J J		65 62 49 44 62 48 52 51 48 110 42 47 39 42 42	370 370 370 370 370 370 370 370 370 370 370 370 370 370 370	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182		08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338 08/12/05 2338	epm epm epm epm epm epm epm epm epm epm epm epm epm epm epm

* In Description = Dry Wgt.

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SM
12/21/05

Job Number: 210440

LABORATORY TEST RESULTS

Date: 08/15/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: T1-SW1-080905
Date Sampled.....: 08/09/2005
Time Sampled.....: 10:45
Sample Matrix.....: Soil

Laboratory Sample ID: 210440-2
Date Received.....: 08/10/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	88.6 11.4			0.10 0.10	0.10 0.10	1 1	% %	53059 53059		08/12/05 0000 08/12/05 0000	rlm rlm
8270C	Semivolatile Organics Naphthalene, Solid* Acenaphthene, Solid* Fluorene, Solid* Phenanthrene, Solid* Anthracene, Solid* Fluoranthene, Solid* Pyrene, Solid* Benzo(a)anthracene, Solid* Chrysene, Solid* Benzo(b)fluoranthene, Solid* Benzo(k)fluoranthene, Solid* Benzo(a)pyrene, Solid* Indeno(1,2,3-cd)pyrene, Solid* Dibenzo(a,h)anthracene, Solid* Benzo(ghi)perylene, Solid*	87 140 130 1700 390 2600 3200 1500 1800 2100 750 1500 890 330 1100	J J J J J J J J J J J J J J J J		64 62 49 44 62 47 52 51 47 100 42 46 38 42 42	370 370 370 370 370 370 370 370 370 370 370 370 370 370 370 370	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182		08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210 08/14/05 2210	epm epm epm epm epm epm epm epm epm epm epm epm epm epm epm epm

* In Description = Dry Wgt.

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SMK
12/21/05

Job Number: 210440

LABORATORY TEST RESULTS

Date: 08/15/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: T1-SW2-080905
Date Sampled.....: 08/09/2005
Time Sampled.....: 10:45
Sample Matrix.....: Soil

Laboratory Sample ID: 210440-3
Date Received.....: 08/10/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid % Moisture, Solid	92.1 7.9			0.10 0.10	0.10 0.10	1 1	% %	53059 53059		08/12/05 0000 08/12/05 0000	rlm rlm
8270C	Semi-volatile Organics Naphthalene, Solid* Acenaphthene, Solid* Fluorene, Solid* Phenanthrene, Solid* Anthracene, Solid* Fluoranthene, Solid* Pyrene, Solid* Benzo(a)anthracene, Solid* Chrysene, Solid* Benzo(b)fluoranthene, Solid* Benzo(k)fluoranthene, Solid* Benzo(a)pyrene, Solid* Indeno(1,2,3-cd)pyrene, Solid* Dibenz(a,h)anthracene, Solid* Benzo(ghi)perylene, Solid*	ND ND 54 340 99 540 510 250 290 300 150 250 150 46 180	U U J J J J J J J J J J J J J		61 59 46 42 59 45 49 48 45 100 40 44 36 40 40	350 350 350 350 350 350 350 350 350 350 350 350 350 350 350	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182		08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239 08/14/05 2239	epm epm epm epm epm epm epm epm epm epm epm epm epm epm epm

* In Description = Dry Wgt.

SMW
12/21/05

Job Number: 210440

LABORATORY TEST RESULTS

Date: 08/15/2005

CUSTOMER: LANGAN ENVIRONMENTAL SERVICES

PROJECT: 5555107-ATLAS

ATTN: Jamie Barr

Customer Sample ID: T2-G-080905
Date Sampled.....: 08/09/2005
Time Sampled.....: 10:45
Sample Matrix.....: Soil

Laboratory Sample ID: 210440-4
Date Received.....: 08/10/2005
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
ASTM D-2216	% Solids, Solid % Moisture, Solid	85.5 14.5			0.10 0.10	0.10 0.10	1 1	% %	53059 53059		08/12/05 0000 08/12/05 0000	rlm rlm
8270C	Semi-volatile Organics Naphthalene, Solid* Acenaphthene, Solid* Fluorene, Solid* Phenanthrene, Solid* Anthracene, Solid* Fluoranthene, Solid* Pyrene, Solid* Benzo(a)anthracene, Solid* Chrysene, Solid* Benzo(b)fluoranthene, Solid* Benzo(k)fluoranthene, Solid* Benzo(a)pyrene, Solid* Indeno(1,2,3-cd)pyrene, Solid* Dibenzo(a,h)anthracene, Solid* Benzo(ghi)perylene, Solid*	82 140 140 1100 280 1400 1600 840 890 970 430 790 470 150 540	J J J J J		66 63 50 45 63 48 53 52 48 110 43 47 39 43 43	380 380 380 380 380 380 380 380 380 380 380 380 380 380 380	1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182 53182		08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308 08/14/05 2308	epm epm epm epm epm epm epm epm epm epm epm epm epm epm epm

* In Description = Dry Wgt.

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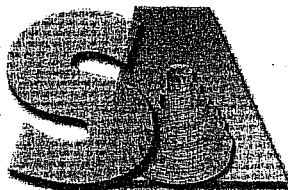
5/12/10/11

Table 1 Samples For Data Validation Review
Atlas Park - Parcel B
Glendale, New York
Spectrum Sample Delivery Group 55102

SAMPLE I.D.	LABORATORY I.D.	DATE SAMPLED	ANALYSES PERFORMED	
			MATRIX	VOC
RES#1-SS-120406	55102	12/5/2006	Air	X
RES#1-I1-120406	55102	12/5/2006	Air	X
RES#1-I2-120406	55102	12/5/2006	Air	X
RES#4-I1-120406	55102	12/5/2006	Air	X
RES#4-I2-120406	55102	12/5/2006	Air	X
RES#4-SS-120406	55102	12/5/2006	Air	X
VP-Outdoor	55102	12/5/2006	Air	X
81-32-SS-120406	55103	12/4/2006	Air	X
81-32-I1-120406	55103	12/4/2006	Air	X
81-32-I2-120406	55103	12/4/2006	Air	X
81-16-SS-120406	55103	12/4/2006	Air	X
81-16-I1-120406	55103	12/4/2006	Air	X
81-16-I2-120406	55103	12/4/2006	Air	X
77AVE-Outdoor	55103	12/4/2006	Air	X
Air 120506	55104	12/5/2006	Air	X
SV-N 120506	55104	12/5/2006	Air	X
SV-M 120506	55104	12/5/2006	Air	X

VOC Volatile Organic Compounds

Report Date:
20-Dec-06 11:55



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: Atlas Park - Glendale Queens, NY
Project #: 5555113

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA55102-01	RES#1-SS-120406	Air	05-Dec-06 14:34	06-Dec-06 12:00
SA55102-02	RES#1-I1-120406	Air	05-Dec-06 14:33	06-Dec-06 12:00
SA55102-03	RES#1-I2-120406	Air	05-Dec-06 14:30	06-Dec-06 12:00
SA55102-04	RES#4-I1-120406	Air	05-Dec-06 18:00	06-Dec-06 12:00
SA55102-05	RES#4-I2-120406	Air	05-Dec-06 18:02	06-Dec-06 12:00
SA55102-06	RES#4-SS-120406	Air	05-Dec-06 18:03	06-Dec-06 12:00
SA55102-07	VP-Outdoor	Air	05-Dec-06 18:10	06-Dec-06 12:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met

Please note that this report contains 28 pages of analytical data plus Chain of Custody document(s).

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New Jersey # MA011/MA012

New York # 11393/11840

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USDA # S-51435

Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.

President/Laboratory Director

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Page 1 of 28

Sample Identification
RES#1-SS-120406
SA55102-01

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
09-Dec-06

Collection Date/Time
05-Dec-06 14:34
Analyzed
10-Dec-06

Received
06-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

								TIC
	2,2,7,7-Tetramethyloctane	12.2	ppbv	10	6120711		J	
	Decane, 2,2-dimethyl-	19.9	ppbv	10	"		J	
062238-14-6	Decane, 2,3,8-trimethyl-	83.1	ppbv	10	"		J	
	Decane, 3,7-dimethyl-	19.3	ppbv	10	"		J	
	Heptane, 5-ethyl-2,2,3-trim...	40.2	ppbv	10	"		J	

EPA TO-15

Prepared by method General Air Prep

R01

115-07-1	Propene	BRL	5.00 ppbv	10	"		U	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	5.00 ppbv	10	"		U	
74-87-3	Chloromethane	BRL	5.00 ppbv	10	"		U	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	5.00 ppbv	10	"		U	
75-01-4	Vinyl chloride	BRL	5.00 ppbv	10	"		U	
106-99-0	1,3-Butadiene	BRL	5.00 ppbv	10	"		U	
74-83-9	Bromomethane	BRL	5.00 ppbv	10	"		U	
75-00-3	Chloroethane	BRL	5.00 ppbv	10	"		U	
67-64-1	Acetone	6.10	5.00 ppbv	10	"			
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.00 ppbv	10	"		U	
64-17-5	Ethanol	154	5.00 ppbv	10	"			
75-35-4	1,1-Dichloroethene	BRL	5.00 ppbv	10	"		U	
75-09-2	Methylene chloride	BRL	5.00 ppbv	10	"		U	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.00 ppbv	10	"		U	
75-15-0	Carbon disulfide	BRL	5.00 ppbv	10	"		U	
156-60-5	trans-1,2-Dichloroethene	BRL	5.00 ppbv	10	"		U	
75-34-3	1,1-Dichloroethane	BRL	5.00 ppbv	10	"		U	
1634-04-4	Methyl tert-butyl ether	BRL	5.00 ppbv	10	"		U	
67-63-0	Isopropyl alcohol	BRL	5.00 ppbv	10	"		U	
78-93-3	2-Butanone (MEK)	BRL	5.00 ppbv	10	"		U	
156-59-2	cis-1,2-Dichloroethene	BRL	5.00 ppbv	10	"		U	
110-54-3	Hexane	BRL	5.00 ppbv	10	"		U	
141-78-6	Ethyl acetate	BRL	5.00 ppbv	10	"		U	
67-66-3	Chloroform	BRL	5.00 ppbv	10	"		U	
109-99-9	Tetrahydrofuran	BRL	5.00 ppbv	10	"		U	
107-06-2	1,2-Dichloroethane	BRL	5.00 ppbv	10	"		U	
71-55-6	1,1,1-Trichloroethane	BRL	5.00 ppbv	10	"		U	
71-43-2	Benzene	BRL	5.00 ppbv	10	"		U	
56-23-5	Carbon tetrachloride	BRL	5.00 ppbv	10	"		U	
110-82-7	Cyclohexane	BRL	5.00 ppbv	10	"		U	
78-87-5	1,2-Dichloropropane	BRL	5.00 ppbv	10	"		U	
75-27-4	Bromodichloromethane	BRL	5.00 ppbv	10	"		U	
79-01-6	Trichloroethene	BRL	5.00 ppbv	10	"		U	
142-82-5	n-Heptane	BRL	5.00 ppbv	10	"		U	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	5.00 ppbv	10	"		U	

5m12
12/22/2007
Page 2 of 2

Sample Identification
RES#1-SS-120406
SA55102-01

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 14:34

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
09-Dec-06

Analyzed
10-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						R01
10061-01-5	cis-1,3-Dichloropropene	BRL	5.00 ppbv			10	6120711	U
10061-02-6	trans-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
79-00-5	1,1,2-Trichloroethane	BRL	5.00 ppbv			10	"	U
108-88-3	Toluene	5.30	5.00 ppbv			10	"	
591-78-6	2-Hexanone (MBK)	BRL	5.00 ppbv			10	"	U
124-48-1	Dibromochloromethane	BRL	5.00 ppbv			10	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.00 ppbv			10	"	U
127-18-4	Tetrachloroethane	BRL	5.00 ppbv			10	"	U
108-90-7	Chlorobenzene	BRL	5.00 ppbv			10	"	U
100-41-4	Ethylbenzene	BRL	5.00 ppbv			10	"	U
1330-20-7	m,p-Xylene	BRL	5.00 ppbv			10	"	U
75-25-2	Bromoform	BRL	5.00 ppbv			10	"	U
100-42-5	Styrene	BRL	5.00 ppbv			10	"	U
95-47-6	o-Xylene	BRL	5.00 ppbv			10	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.00 ppbv			10	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
622-96-8	4-Ethyltoluene	BRL	5.00 ppbv			10	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
100-44-7	Benzyl chloride	BRL	5.00 ppbv			10	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 ppbv			10	"	U
87-68-3	Hexachlorobutadiene	BRL	5.00 ppbv			10	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	102	75-125 %				"	U

cel

Sample Identification

RES#1-I1-120406

SA55102-02

Client Project

5555113

Matrix

Air

Collection Date/Time

05-Dec-06 14:33

Received

06-Dec-06

Method Ref.
Air method TICsPrepared
07-Dec-06Analyzed
07-Dec-06Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
015780-65-1	Acetoacetic acid, 1-thio-, S-a	2.02	ppbv			1	6120588	J
106-97-8	Butane	1.62	ppbv			1	"	J
124-18-5	Decane	1.96	ppbv			1	"	J
629-78-7	Heptadecane	1.33	ppbv			1	"	J
138-86-3	Limonene	1.88	ppbv			1	"	J
1120-21-4	Undecane	2.32	ppbv			1	"	J

EPA TO-15

Prepared by method General Air Prep

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.390	0.500 ppbv			1	"	J
74-87-3	Chloromethane	BRL	0.500 ppbv			1	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	5.53	0.500 ppbv			1	"	U
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5	Ethanol	530	0.500 ppbv			1	"	U
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	1.74	0.500 ppbv			1	"	U
78-93-3	2-Butanone (MEK)	0.480	0.500 ppbv			1	"	J
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	0.460	0.500 ppbv			1	"	J
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	BRL	0.500 ppbv			1	"	U
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	0.580	0.500 ppbv			1	"	U

Sample Identification

RES#1-I1-120406

SA55102-02

Client Project #

5555113

Matrix

Air

Collection Date/Time

05-Dec-06 14:33

Received

06-Dec-06

Method Ref.

EPA TO-15

Prepared

07-Dec-06

Analyzed

07-Dec-06

Analyst

WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	6120588	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	2.00	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	0.570	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.480	0.500 ppbv			1	"	J
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	UJ
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	99.2	75-125 %				"	

CCH

Sample Identification
RES#1-I2-120406
SA55102-03

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
07-Dec-06

Collection Date/Time
05-Dec-06 14:30
Analyzed
07-Dec-06

Received
06-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
75-37-6	Ethane, 1,1-difluoro-	78.9	ppbv			10	6120588	J
EPA TO-15 Prepared by method General Air Prep								
115-07-1	Propene	BRL	5.00 ppbv			10	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	5.00 ppbv			10	"	U
74-87-3	Chloromethane	BRL	5.00 ppbv			10	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	5.00 ppbv			10	"	U
75-01-4	Vinyl chloride	BRL	5.00 ppbv			10	"	U
106-99-0	1,3-Butadiene	BRL	5.00 ppbv			10	"	U
74-83-9	Bromomethane	BRL	5.00 ppbv			10	"	U
75-00-3	Chloroethane	BRL	5.00 ppbv			10	"	U
67-64-1	Acetone	9.80	5.00 ppbv			10	"	U
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.00 ppbv			10	"	U
64-17-5	Ethanol	1,380	5.00 ppbv			10	"	U
75-35-4	1,1-Dichloroethene	BRL	5.00 ppbv			10	"	U
75-09-2	Methylene chloride	BRL	5.00 ppbv			10	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.00 ppbv			10	"	U
75-15-0	Carbon disulfide	BRL	5.00 ppbv			10	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.00 ppbv			10	"	U
75-34-3	1,1-Dichloroethane	BRL	5.00 ppbv			10	"	U
1634-04-4	Methyl tert-butyl ether	BRL	5.00 ppbv			10	"	U
67-63-0	Isopropyl alcohol	3.90	5.00 ppbv			10	"	J
78-93-3	2-Butanone (MEK)	BRL	5.00 ppbv			10	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	5.00 ppbv			10	"	U
110-54-3	Hexane	BRL	5.00 ppbv			10	"	U
141-78-6	Ethyl acetate	BRL	5.00 ppbv			10	"	U
67-66-3	Chloroform	BRL	5.00 ppbv			10	"	U
109-99-9	Tetrahydrofuran	BRL	5.00 ppbv			10	"	U
107-06-2	1,2-Dichloroethane	BRL	5.00 ppbv			10	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.00 ppbv			10	"	U
71-43-2	Benzene	BRL	5.00 ppbv			10	"	U
56-23-5	Carbon tetrachloride	BRL	5.00 ppbv			10	"	U
110-82-7	Cyclohexane	BRL	5.00 ppbv			10	"	U
78-87-5	1,2-Dichloropropane	BRL	5.00 ppbv			10	"	U
75-27-4	Bromodichloromethane	BRL	5.00 ppbv			10	"	U
79-01-6	Trichloroethene	BRL	5.00 ppbv			10	"	U
142-82-5	n-Heptane	BRL	5.00 ppbv			10	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	5.00 ppbv			10	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
79-00-5	1,1,2-Trichloroethane	BRL	5.00 ppbv			10	"	U
108-88-3	Toluene	3.30	5.00 ppbv			10	"	J
591-78-6	2-Hexanone (MBK)	BRL	5.00 ppbv			10	"	U

WB
12/2/2006

Sample Identification
RES#1-I2-120406
SA55102-03

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 14:30

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
124-48-1	Dibromochloromethane	BRL	5.00 ppbv			10	6120588	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.00 ppbv			10	"	U
127-18-4	Tetrachloroethene	BRL	5.00 ppbv			10	"	U
108-90-7	Chlorobenzene	BRL	5.00 ppbv			10	"	U
100-41-4	Ethylbenzene	BRL	5.00 ppbv			10	"	U
1330-20-7	m,p-Xylene	BRL	5.00 ppbv			10	"	U
75-25-2	Bromoform	BRL	5.00 ppbv			10	"	U
100-42-5	Styrene	BRL	5.00 ppbv			10	"	U
95-47-6	o-Xylene	BRL	5.00 ppbv			10	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.00 ppbv			10	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
622-96-8	4-Ethyltoluene	BRL	5.00 ppbv			10	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
100-44-7	Benzyl chloride	BRL	5.00 ppbv			10	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 ppbv			10	"	U
87-68-3	Hexachlorobutadiene	BRL	5.00 ppbv			10	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	98.4	75-125 %				"	U

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Sample Identification
RES#4-II-120406
SA55102-04

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 18:00

Received
06-Dec-06

Method Ref.
Air method TICs

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
	Tentatively Identified Compounds	None found	ppbv			2	6120588	U
<u>EPA TO-15</u>								
		Prepared by method General Air Prep						
115-07-1	Propene	BRL	1.00 ppbv			2	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	1.00 ppbv			2	"	U
74-87-3	Chloromethane	BRL	1.00 ppbv			2	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	1.00 ppbv			2	"	U
75-01-4	Vinyl chloride	BRL	1.00 ppbv			2	"	U
106-99-0	1,3-Butadiene	BRL	1.00 ppbv			2	"	U
74-83-9	Bromomethane	BRL	1.00 ppbv			2	"	U
75-00-3	Chloroethane	BRL	1.00 ppbv			2	"	U
67-64-1	Acetone	7.98	1.00 ppbv			2	"	U
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.00 ppbv			2	"	U
64-17-5	Ethanol	320	1.00 ppbv			2	"	U
75-35-4	1,1-Dichloroethene	BRL	1.00 ppbv			2	"	U
75-09-2	Methylene chloride	BRL	1.00 ppbv			2	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	1.00 ppbv			2	"	U
75-15-0	Carbon disulfide	BRL	1.00 ppbv			2	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	1.00 ppbv			2	"	U
75-34-3	1,1-Dichloroethane	BRL	1.00 ppbv			2	"	U
1634-04-4	Methyl tert-butyl ether	BRL	1.00 ppbv			2	"	U
67-63-0	Isopropyl alcohol	4.32	1.00 ppbv			2	"	U
78-93-3	2-Butanone (MEK)	BRL	1.00 ppbv			2	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	1.00 ppbv			2	"	U
110-54-3	Hexane	BRL	1.00 ppbv			2	"	U
141-78-6	Ethyl acetate	BRL	1.00 ppbv			2	"	U
67-66-3	Chloroform	BRL	1.00 ppbv			2	"	U
109-99-9	Tetrahydrofuran	BRL	1.00 ppbv			2	"	U
107-06-2	1,2-Dichloroethane	BRL	1.00 ppbv			2	"	U
71-55-6	1,1,1-Trichloroethane	BRL	1.00 ppbv			2	"	U
71-43-2	Benzene	BRL	1.00 ppbv			2	"	U
56-23-5	Carbon tetrachloride	BRL	1.00 ppbv			2	"	U
110-82-7	Cyclohexane	BRL	1.00 ppbv			2	"	U
78-87-5	1,2-Dichloropropane	BRL	1.00 ppbv			2	"	U
75-27-4	Bromodichloromethane	BRL	1.00 ppbv			2	"	U
79-01-6	Trichloroethene	BRL	1.00 ppbv			2	"	U
142-82-5	n-Heptane	BRL	1.00 ppbv			2	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1.00 ppbv			2	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U
79-00-5	1,1,2-Trichloroethane	BRL	1.00 ppbv			2	"	U
108-88-3	Toluene	1.48	1.00 ppbv			2	"	U
591-78-6	2-Hexanone (MBK)	BRL	1.00 ppbv			2	"	U

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SMM

Page 8 of 28

12/22/2006

Sample Identification
RES#4-I1-120406
SA55102-04

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 18:00

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>								
Prepared by method General Air Prep								
124-48-1	Dibromochloromethane	BRL	1.00 ppbv			2	6120588	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.00 ppbv			2	"	U
127-18-4	Tetrachloroethene	BRL	1.00 ppbv			2	"	U
108-90-7	Chlorobenzene	BRL	1.00 ppbv			2	"	U
100-41-4	Ethylbenzene	BRL	1.00 ppbv			2	"	U
1330-20-7	m,p-Xylene	BRL	1.00 ppbv			2	"	U
75-25-2	Bromoform	BRL	1.00 ppbv			2	"	U
100-42-5	Styrene	BRL	1.00 ppbv			2	"	U
95-47-6	o-Xylene	BRL	1.00 ppbv			2	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.00 ppbv			2	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
622-96-8	4-Ethyltoluene	BRL	1.00 ppbv			2	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
541-73-1	1,3-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
100-44-7	Benzyl chloride	BRL	1.00 ppbv			2	"	U
106-46-7	1,4-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
95-50-1	1,2-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	1.00 ppbv			2	"	U
87-68-3	Hexachlorobutadiene	BRL	1.00 ppbv			2	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	100	75-125 %				"	U

J CH

<u>Sample Identification</u>	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
RES#4-I2-120406	5555113	Air	05-Dec-06 18:02	06-Dec-06
SA55102-05	<u>Method Ref.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Analyst</u>
	Air method TICs	07-Dec-06	07-Dec-06	WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
	Tentatively Identified Compounds	None found	ppbv			10	6120588	U
<u>EPA TO-15</u>								
		Prepared by method General Air Prep						
115-07-1	Propene	BRL	5.00 ppbv			10	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	5.00 ppbv			10	"	U
74-87-3	Chloromethane	BRL	5.00 ppbv			10	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	5.00 ppbv			10	"	U
75-01-4	Vinyl chloride	BRL	5.00 ppbv			10	"	U
106-99-0	1,3-Butadiene	BRL	5.00 ppbv			10	"	U
74-83-9	Bromomethane	BRL	5.00 ppbv			10	"	U
75-00-3	Chloroethane	BRL	5.00 ppbv			10	"	U
67-64-1	Acetone	17.5	5.00 ppbv			10	"	U
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.00 ppbv			10	"	U
64-17-5	Ethanol	1,140	5.00 ppbv			10	"	U
75-35-4	1,1-Dichloroethene	BRL	5.00 ppbv			10	"	U
75-09-2	Methylene chloride	BRL	5.00 ppbv			10	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.00 ppbv			10	"	U
75-15-0	Carbon disulfide	BRL	5.00 ppbv			10	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.00 ppbv			10	"	U
75-34-3	1,1-Dichloroethane	BRL	5.00 ppbv			10	"	U
1634-04-4	Methyl tert-butyl ether	BRL	5.00 ppbv			10	"	U
67-63-0	Isopropyl alcohol	10.6	5.00 ppbv			10	"	U
78-93-3	2-Butanone (MEK)	BRL	5.00 ppbv			10	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	5.00 ppbv			10	"	U
110-54-3	Hexane	BRL	5.00 ppbv			10	"	U
141-78-6	Ethyl acetate	BRL	5.00 ppbv			10	"	U
67-66-3	Chloroform	BRL	5.00 ppbv			10	"	U
109-99-9	Tetrahydrofuran	BRL	5.00 ppbv			10	"	U
107-06-2	1,2-Dichloroethane	BRL	5.00 ppbv			10	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.00 ppbv			10	"	U
71-43-2	Benzene	BRL	5.00 ppbv			10	"	U
56-23-5	Carbon tetrachloride	BRL	5.00 ppbv			10	"	U
110-82-7	Cyclohexane	BRL	5.00 ppbv			10	"	U
78-87-5	1,2-Dichloropropane	BRL	5.00 ppbv			10	"	U
75-27-4	Bromodichloromethane	BRL	5.00 ppbv			10	"	U
79-01-6	Trichloroethene	BRL	5.00 ppbv			10	"	U
142-82-5	n-Heptane	BRL	5.00 ppbv			10	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	5.00 ppbv			10	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
79-00-5	1,1,2-Trichloroethane	BRL	5.00 ppbv			10	"	U
108-88-3	Toluene	3.00	5.00 ppbv			10	"	J
591-78-6	2-Hexanone (MBK)	BRL	5.00 ppbv			10	"	U

SMK
12/22/06

Sample Identification
RES#4-I2-120406
SA55102-05

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 18:02

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
124-48-1	Dibromochloromethane	BRL	5.00 ppbv			10	6120588	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.00 ppbv			10	"	U
127-18-4	Tetrachloroethene	BRL	5.00 ppbv			10	"	U
108-90-7	Chlorobenzene	BRL	5.00 ppbv			10	"	U
100-41-4	Ethylbenzene	BRL	5.00 ppbv			10	"	U
1330-20-7	m,p-Xylene	BRL	5.00 ppbv			10	"	U
75-25-2	Bromoform	BRL	5.00 ppbv			10	"	U
100-42-5	Styrene	BRL	5.00 ppbv			10	"	U
95-47-6	o-Xylene	BRL	5.00 ppbv			10	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.00 ppbv			10	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
622-96-8	4-Ethyltoluene	BRL	5.00 ppbv			10	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
100-44-7	Benzyl chloride	BRL	5.00 ppbv			10	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 ppbv			10	"	U
87-68-3	Hexachlorobutadiene	BRL	5.00 ppbv			10	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	98.4	75-125 %				"	U

U J cth

Sample Identification
RES#4-SS-120406
SA55102-06

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
07-Dec-06

Collection Date/Time
05-Dec-06 18:03
Analyzed
07-Dec-06

Received
06-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

062238-14-6	Decane, 2,3,8-trimethyl-	6.62	ppbv			1	6120588	J
127204-12-0	Dodecane, 2,2,11,11-tetrame... (01)	2.36	ppbv			1	"	J
3891-98-3	Dodecane, 2,6,10-trimethyl-	1.04	ppbv			1	"	J
	Heptane, 5-ethyl-2,2,3-trim...	4.25	ppbv			1	"	J
	Undecane, 2,8-dimethyl-	2.97	ppbv			1	"	J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.530	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.420	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	7.07	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5	Ethanol	234	0.500 ppbv			1	"	J
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	3.47	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.390	0.500 ppbv			1	"	J
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	0.470	0.500 ppbv			1	"	J
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	0.330	0.500 ppbv			1	"	J
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	BRL	0.500 ppbv			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U

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Smk
12/20/06

Sample Identification

RES#4-SS-120406

SA55102-06

Client Project #

5555113

Matrix

Air

Collection Date/Time

05-Dec-06 18:03

Received

06-Dec-06

Method Ref.

EPA TO-15

Prepared

07-Dec-06

Analyzed

07-Dec-06

Analyst

WB

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>RT</u>	<u>Q</u>	<u>Dilution</u>	<u>Batch</u>	<u>Flag</u>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	6120588	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	1.45	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	BRL	0.500 ppbv			1	"	U
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	100	75-125 %				"	U

cctt

Results
SM/L 12/23/2009

Sample Identification
VP-Outdoor
SA55102-07

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 18:10

Received
06-Dec-06

Method Ref.
Air method TICs

Prepared
07-Dec-06

Analyzed
19-Dec-06

Analyst
KRL

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
	Tentatively Identified Compounds	None found	ppbv			1	6120588	U
<u>EPA TO-15</u> Prepared by method General Air Prep								
115-07-1	Propene	BRL	0.0900 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.510	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.965	0.0900 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	2.00	0.0900 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.667	0.0900 ppbv			1	"	
64-17-5	Ethanol	9.25	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.255	0.0900 ppbv			1	"	BL
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.196	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	1.10	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.346	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	0.291	0.0900 ppbv			1	"	
141-78-6	Ethyl acetate	0.118	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.587	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.248	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.129	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0581	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.188	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U
108-88-3	Toluene	0.510	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U

SM/L 12/23/2009
Page 14 of 28

Sample Identification
VP-Outdoor
SA55102-07

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 18:10

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
EPA TO-15		Prepared by method General Air Prep						
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	6120588	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.187	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.141	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.463	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	BRL	0.0900 ppbv			1	"	U
95-47-6	o-Xylene	0.167	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.0900 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.0900 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.205	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	100	75-125 %				"	

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smk

Sample Identification
VP-Outdoor
SA55102-07

Client Project #
5555113

Method Ref.
Air method TICs

Matrix
Air

Prepared
07-Dec-06

Collection Date/Time
05-Dec-06 18:10

Analyzed
19-Dec-06

Received
06-Dec-06

Analyst
KRL

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
Tentatively Identified Compounds		None found	ppbv			1	6120588	U
<u>EPA TO-15</u>								
Prepared by method General Air Prep								
115-07-1	Propene	BRL	0.0900 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.510	0.0900 ppbv			1	"	
74-87-3	Chloromethane	0.965	0.0900 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	2.00	0.0900 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.667	0.0900 ppbv			1	"	
64-17-5	Ethanol	9.25	0.0900 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.255	0.0900 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.196	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	1.10	0.0900 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.346	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	0.291	0.0900 ppbv			1	"	
141-78-6	Ethyl acetate	0.118	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.587	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.248	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.129	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0581	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.188	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U
108-88-3	Toluene	0.510	0.0900 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U

Sample Identification
VP-Outdoor
SA55102-07

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 18:10

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

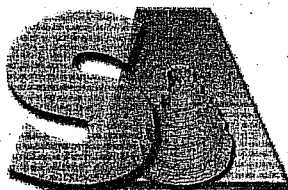
Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>								
Prepared by method General Air Prep								
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	6120588	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.187	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.141	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.463	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	BRL	0.0900 ppbv			1	"	U
95-47-6	o-Xylene	0.167	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.0900 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.0900 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.205	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	100	75-125 %				"	U

ck

Report Date:
20-Dec-06 12:01



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: Atlas Park - Queens, NY
Project #: 5555113

☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA55103-01	RES#2-SS-120406	Air	05-Dec-06 07:34	06-Dec-06 09:33
SA55103-02	RES#2-I1-120406	Air	05-Dec-06 07:32	06-Dec-06 09:33
SA55103-03	RES#2-I2-120406	Air	05-Dec-06 07:30	06-Dec-06 09:33
SA55103-04	RES#3-SS-120406	Air	05-Dec-06 07:46	06-Dec-06 09:33
SA55103-05	RES#3-I1-120406	Air	05-Dec-06 07:45	06-Dec-06 09:33
SA55103-06	RES#3-I2-120406	Air	05-Dec-06 07:49	06-Dec-06 09:33
SA55103-07	77AVE-OUTDOOR	Air	05-Dec-06 07:50	06-Dec-06 09:33

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met

Please note that this report contains 28 pages of analytical data plus Chain of Custody document(s).

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New York # 11393/11840

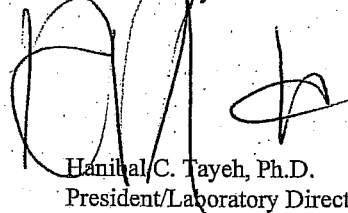
Rhode Island # 98

USDA # S-51435

Vermont # VT-11393



Authorized by:


Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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Page 1 of 28

Sample Identification
RES#2-SS-120406
SA55103-01

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 07:34

Received
06-Dec-06

Method Ref.
Air method TICs

Prepared
07-Dec-06

Analyzed
08-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

								TIC
5989-27-5	Decane, 2,2,7-trimethyl-	20.2	ppbv	1		6120588	J	
	d-Limonene	6.02	ppbv	1		"	J	
	Dodecane, 2,2,11,11-tetrame...	48.2	ppbv	1		"	J	
3891-98-3	Dodecane, 2,6,10-trimethyl-	14.4	ppbv	1		"	J	
013475-82-6	Heptane, 2,2,4,6,6-pentamet... (01)	10.1	ppbv	1		"	J	
013475-82-6	Heptane, 2,2,4,6,6-pentamet... (02)	5.81	ppbv	1		"	J	
013475-82-6	Heptane, 2,2,4,6,6-pentamet... (03)	22.5	ppbv	1		"	J	
013475-78-0	Heptane, 5-ethyl-2-methyl-	6.45	ppbv	1		"	J	
3522-94-9	Hexane, 2,2,5-trimethyl-	71.3	ppbv	1		"	J	
	Octane, 6-ethyl-2-methyl-	19.1	ppbv	1		"	J	
629-50-5	Tridecane	169	ppbv	1		"	J	
	Undecane, 3-methyl-	32.2	ppbv	1		"	J	
	Undecane, 4-methyl-	4.54	ppbv	1		"	J	
017312-73-1	Undecane, 5,5-dimethyl-	3.88	ppbv	1		"	J	
1632-70-8	Undecane, 5-methyl-	14.5	ppbv	1		"	J	

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv	1		"	U	
75-71-8	Dichlorodifluoromethane (Freon12)	0.490	0.500 ppbv	1		"	J	
74-87-3	Chloromethane	0.410	0.500 ppbv	1		"	J	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv	1		"	U	
75-01-4	Vinyl chloride	BRL	0.500 ppbv	1		"	U	
106-99-0	1,3-Butadiene	BRL	0.500 ppbv	1		"	U	
74-83-9	Bromomethane	BRL	0.500 ppbv	1		"	U	
75-00-3	Chloroethane	BRL	0.500 ppbv	1		"	U	
67-64-1	Acetone	11.2	0.500 ppbv	1		"		
75-69-4	Trichlorofluoromethane (Freon 11)	0.400	0.500 ppbv	1		"	J	
64-17-5	Ethanol	7.18	0.500 ppbv	1		"		
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv	1		"	U	
75-09-2	Methylene chloride	2.42	0.500 ppbv	1		"		
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv	1		"	U	
75-15-0	Carbon disulfide	BRL	0.500 ppbv	1		"	U	
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv	1		"	U	
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv	1		"	U	
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv	1		"	U	
67-63-0	Isopropyl alcohol	0.710	0.500 ppbv	1		"		
78-93-3	2-Butanone (MEK)	2.00	0.500 ppbv	1		"		
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv	1		"	U	
110-54-3	Hexane	BRL	0.500 ppbv	1		"	U	
141-78-6	Ethyl acetate	BRL	0.500 ppbv	1		"	U	
67-66-3	Chloroform	0.430	0.500 ppbv	1		"	J	
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv	1		"	U	

SMY
12/21/2006

Sample Identification
RES#2-SS-120406
SA55103-01

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 07:34

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

Analyzed
08-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	6120588	U
71-55-6	1,1,1-Trichloroethane	0.540	0.500 ppbv			1	"	
71-43-2	Benzene	0.430	0.500 ppbv			1	"	J
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	0.400	0.500 ppbv			1	"	J
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	4.75	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.480	0.500 ppbv			1	"	J
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	0.730	0.500 ppbv			1	"	
1330-20-7	m,p-Xylene	2.38	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	0.800	0.500 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.320	0.500 ppbv			1	"	J
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.790	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	100	75-125 %				"	

Sample Identification
RES#2-I1-120406
SA55103-02

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
07-Dec-06

Collection Date/Time
05-Dec-06 07:32
Analyzed
07-Dec-06

Received
06-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

TIC

106-97-8	Butane	2.08	ppbv			1	6120588	J
124-18-5	Decane	1.14	ppbv			1	"	J
5989-27-5	d-Limonene	3.72	ppbv			1	"	J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.550	0.500 ppbv			1	"	U
74-87-3	Chloromethane	0.460	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon-114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	BRL	0.500 ppbv			1	"	U
75-69-4	Trichlorofluoromethane (Freon 11)	0.350	0.500 ppbv			1	"	J
64-17-5	Ethanol	127	0.500 ppbv			1	"	J LR
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	0.600	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	15.3	0.500 ppbv			1	"	U
78-93-3	2-Butanone (MEK)	0.520	0.500 ppbv			1	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	0.890	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	0.370	0.500 ppbv			1	"	J
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	BRL	0.500 ppbv			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U

SM
12/21/06

Sample Identification
RES#2-II-120406
SA55103-02

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 07:32

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>								
Prepared by method General Air Prep								
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	6120588	U
108-88-3	Toluene	2.62	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	0.650	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.520	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U J
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	102	75-125 %				"	

cch

Sample Identification
RES#2-12-120406
SA55103-03

Client Project #
5555113

Method Ref.
Air method TICs

Matrix
Air

Prepared
07-Dec-06

Collection Date/Time
05-Dec-06 07:30

Analyzed
07-Dec-06

Received
06-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

015780-65-1	Acetoacetic acid, 1-thio-, ...	3.25	ppbv			1	6120588	J
106-97-8	Butane	2.43	ppbv			1	"	J
124-18-5	Decane	1.09	ppbv			1	"	J
5989-27-5	d-Limonene	3.31	ppbv			1	"	J
75-28-5	Isobutane	38.4	ppbv			1	"	J
109-66-0	Pentane	1.25	ppbv			1	"	J
1120-21-4	Undecane	0.750	ppbv			1	"	J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.610	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.510	0.500 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	9.31	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.470	0.500 ppbv			1	"	J
64-17-5	Ethanol	184	0.500 ppbv			1	"	J
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	0.540	0.500 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	37.4	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.430	0.500 ppbv			1	"	J
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	0.790	0.500 ppbv			1	"	
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	0.440	0.500 ppbv			1	"	J
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U

Sample Identification
RES#2-I2-120406
SA55103-03

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 07:30

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
142-82-5	n-Heptane	BRL	0.500 ppbv			1	6120588	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	2.86	0.500 ppbv			1	"	U
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	0.670	0.500 ppbv			1	"	U
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.530	0.500 ppbv			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	75-125 %				"	U

J CH

Sample Identification
RES#3-SS-120406
SA55103-04

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
09-Dec-06

Collection Date/Time
05-Dec-06 07:46
Analyzed
10-Dec-06

Received
06-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

TIC

	2,2,7,7-Tetramethyloctane	60.8	ppbv			10	6120711	J
	Decane, 2,2,8-trimethyl-	20.4	ppbv			10	"	J
	Decane, 2,2-dimethyl-	40.4	ppbv			10	"	J
062238-14-6	Decane, 2,3,8-trimethyl-	156	ppbv			10	"	J
013151-34-3	Decane, 3-methyl- (02)	12.9	ppbv			10	"	J
3891-98-3	Dodecane, 2,6,10-trimethyl-	16.3	ppbv			10	"	J
	Heptane, 2,2,4,6,6-pentamet...	15.9	ppbv			10	"	J
	Heptane, 5-ethyl-2,3-trim...	80.2	ppbv			10	"	J
	Nonane, 3-methyl-5-propyl-	41.5	ppbv			10	"	J
	Tetradecane, 2,2-dimethyl-	14.7	ppbv			10	"	J

EPA TO-15

Prepared by method General Air Prep

R01

115-07-1	Propene	BRL	5.00 ppbv			10	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	5.00 ppbv			10	"	U
74-87-3	Chloromethane	BRL	5.00 ppbv			10	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	5.00 ppbv			10	"	U
75-01-4	Vinyl chloride	BRL	5.00 ppbv			10	"	U
106-99-0	1,3-Butadiene	BRL	5.00 ppbv			10	"	U
74-83-9	Bromomethane	BRL	5.00 ppbv			10	"	U
75-00-3	Chloroethane	BRL	5.00 ppbv			10	"	U
67-64-1	Acetone	15.2	5.00 ppbv			10	"	U
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.00 ppbv			10	"	U
64-17-5	Ethanol	54.8	5.00 ppbv			10	"	U
75-35-4	1,1-Dichloroethene	BRL	5.00 ppbv			10	"	U
75-09-2	Methylene chloride	BRL	5.00 ppbv			10	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.00 ppbv			10	"	U
75-15-0	Carbon disulfide	BRL	5.00 ppbv			10	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.00 ppbv			10	"	U
75-34-3	1,1-Dichloroethane	BRL	5.00 ppbv			10	"	U
1634-04-4	Methyl tert-butyl ether	BRL	5.00 ppbv			10	"	U
67-63-0	Isopropyl alcohol	BRL	5.00 ppbv			10	"	U
78-93-3	2-Butanone (MEK)	BRL	5.00 ppbv			10	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	5.00 ppbv			10	"	U
110-54-3	Hexane	BRL	5.00 ppbv			10	"	U
141-78-6	Ethyl acetate	BRL	5.00 ppbv			10	"	U
67-66-3	Chloroform	BRL	5.00 ppbv			10	"	U
109-99-9	Tetrahydrofuran	BRL	5.00 ppbv			10	"	U
107-06-2	1,2-Dichloroethane	BRL	5.00 ppbv			10	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.00 ppbv			10	"	U
71-43-2	Benzene	BRL	5.00 ppbv			10	"	U
56-23-5	Carbon tetrachloride	BRL	5.00 ppbv			10	"	U
110-82-7	Cyclohexane	BRL	5.00 ppbv			10	"	U

Sample Identification

RES#3-SS-120406

SA55103-04

Client Project #

5555113

Matrix

Air

Collection Date/Time

05-Dec-06 07:46

Received

06-Dec-06

Method Ref.

EPA TO-15

Prepared

09-Dec-06

Analyzed

10-Dec-06

Analyst

WB

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>RT</u>	<u>Q</u>	<u>Dilution</u>	<u>Batch</u>	<u>Flag</u>
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Air Quality Analyses

EPA TO-15

Prepared by method General Air Prep

R01

78-87-5	1,2-Dichloropropane	BRL	5.00 ppbv			10	6120711	U
75-27-4	Bromodichloromethane	BRL	5.00 ppbv			10	"	U
79-01-6	Trichloroethene	BRL	5.00 ppbv			10	"	U
142-82-5	n-Heptane	BRL	5.00 ppbv			10	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	5.00 ppbv			10	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
79-00-5	1,1,2-Trichloroethane	BRL	5.00 ppbv			10	"	U
108-88-3	Toluene	BRL	5.00 ppbv			10	"	U
591-78-6	2-Hexanone (MBK)	BRL	5.00 ppbv			10	"	U
124-48-1	Dibromochloromethane	BRL	5.00 ppbv			10	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.00 ppbv			10	"	U
127-18-4	Tetrachloroethene	BRL	5.00 ppbv			10	"	U
108-90-7	Chlorobenzene	BRL	5.00 ppbv			10	"	U
100-41-4	Ethylbenzene	BRL	5.00 ppbv			10	"	U
1330-20-7	m,p-Xylene	BRL	5.00 ppbv			10	"	U
75-25-2	Bromoform	BRL	5.00 ppbv			10	"	U
100-42-5	Styrene	BRL	5.00 ppbv			10	"	U
95-47-6	o-Xylene	BRL	5.00 ppbv			10	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.00 ppbv			10	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
622-96-8	4-Ethyltoluene	BRL	5.00 ppbv			10	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
100-44-7	Benzyl chloride	BRL	5.00 ppbv			10	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 ppbv			10	"	U
87-68-3	Hexachlorobutadiene	BRL	5.00 ppbv			10	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	75-125 %				"	

CCH

Sample Identification
RES#3-I1-120406
SA55103-05

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 07:45

Received
06-Dec-06

Method Ref.
Air method TICs

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

TIC

115-11-7	1-Propene, 2-methyl-	6.38	ppbv		1	6120588	J
123-86-4	Acetic acid, butyl ester	1.28	ppbv		1	"	J
106-97-8	Butane	2.72	ppbv		1	"	J
	Cyclohexane, (2-methylpropyl)-	1.25	ppbv		1	"	J
	Cyclopentanone, 2-methyl-	1.54	ppbv		1	"	J
124-18-5	Decane	3.48	ppbv		1	"	J
112-40-3	Dodecane	1.28	ppbv		1	"	J
75-37-6	Ethane, 1,1-difluoro-	8.44	ppbv		1	"	J
75-28-5	Isobutane	6.71	ppbv		1	"	J
138-86-3	Limonene	1.65	ppbv		1	"	J
111-84-2	Nonane	1.30	ppbv		1	"	J
	Octane, 2,6-dimethyl-	0.960	ppbv		1	"	J
1120-21-4	Undecane	3.41	ppbv		1	"	J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv		1	"	U
75-71-8	Dichlorodifluoromethane (Freon 12)	0.500	0.500 ppbv		1	"	
74-87-3	Chloromethane	0.540	0.500 ppbv		1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv		1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv		1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv		1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv		1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv		1	"	U
67-64-1	Acetone	11.5	0.500 ppbv		1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.300	0.500 ppbv		1	"	J
64-17-5	Ethanol	242	0.500 ppbv		1	"	U
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv		1	"	
75-09-2	Methylene chloride	0.630	0.500 ppbv		1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv		1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv		1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv		1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv		1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv		1	"	U
67-63-0	Isopropyl alcohol	48.3	0.500 ppbv		1	"	
78-93-3	2-Butanone (MEK)	2.85	0.500 ppbv		1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv		1	"	U
110-54-3	Hexane	BRL	0.500 ppbv		1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv		1	"	U
67-66-3	Chloroform	1.19	0.500 ppbv		1	"	
109-99-9	Tetrahydrofuran	4.87	0.500 ppbv		1	"	
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv		1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv		1	"	U

J LR

SMY
12/24/06

Sample Identification
RES#3-I1-120406
SA55103-05

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 07:45

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
71-43-2	Benzene	2.15	0.500 ppbv			1	6120588	
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	0.620	0.500 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	2.41	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	0.470	0.500 ppbv			1	"	J
1330-20-7	m,p-Xylene	1.59	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	1.97	0.500 ppbv			1	"	
95-47-6	o-Xylene	0.550	0.500 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.370	0.500 ppbv			1	"	J
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U J
460-00-4	Surrogate: 4-Bromofluorobenzene	99.2	75-125 %				"	U

CDK

Sample Identification
RES#3-I2-120406
SA55103-06

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
07-Dec-06

Collection Date/Time
05-Dec-06 07:49
Analyzed
07-Dec-06

Received
06-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

TIC

1R-.alpha.-Pinene	1.46	ppbv	2	6120588	J
Benzene, 1-ethyl-3-methyl-	1.82	ppbv	2	"	J
106-97-8 Butane	5.86	ppbv	2	"	J
Butane, 2,2,3,3-tetramethyl-	2.50	ppbv	2	"	J
Butane, 2-methyl-	466	ppbv	2	"	J
Cyclohexane, (2-methylpropyl)-	1.60	ppbv	2	"	J
Cyclopentanone, 2-methyl-	1.48	ppbv	2	"	J
124-18-5 Decane	4.94	ppbv	2	"	J
75-37-6 Ethane, 1,1-difluoro-	60.7	ppbv	2	"	J
111-84-2 Nonane	1.90	ppbv	2	"	J
109-66-0 Pentane	2.68	ppbv	2	"	J
74-98-6 Propane	5.12	ppbv	2	"	J
1120-21-4 Undecane	3.54	ppbv	2	"	J

EPA TO-15

Prepared by method General Air Prep

115-07-1 Propene	BRL	1.00 ppbv	2	"	U
75-71-8 Dichlorodifluoromethane (Freon12)	BRL	1.00 ppbv	2	"	U
74-87-3 Chloromethane	BRL	1.00 ppbv	2	"	U
76-14-2 1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	1.00 ppbv	2	"	U
75-01-4 Vinyl chloride	BRL	1.00 ppbv	2	"	U
106-99-0 1,3-Butadiene	BRL	1.00 ppbv	2	"	U
74-83-9 Bromomethane	BRL	1.00 ppbv	2	"	U
75-00-3 Chloroethane	BRL	1.00 ppbv	2	"	U
67-64-1 Acetone	BRL	1.00 ppbv	2	"	U
75-69-4 Trichlorofluoromethane (Freon 11)	BRL	1.00 ppbv	2	"	U
64-17-5 Ethanol	640	1.00 ppbv	2	"	U
75-35-4 1,1-Dichloroethene	BRL	1.00 ppbv	2	"	U
75-09-2 Methylene chloride	0.620	1.00 ppbv	2	"	J
76-13-1 1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	1.00 ppbv	2	"	U
75-15-0 Carbon disulfide	BRL	1.00 ppbv	2	"	U
156-60-5 trans-1,2-Dichloroethene	BRL	1.00 ppbv	2	"	U
75-34-3 1,1-Dichloroethane	BRL	1.00 ppbv	2	"	U
1634-04-4 Methyl tert-butyl ether	BRL	1.00 ppbv	2	"	U
67-63-0 Isopropyl alcohol	23.6	1.00 ppbv	2	"	
78-93-3 2-Butanone (MEK)	7.00	1.00 ppbv	2	"	
156-59-2 cis-1,2-Dichloroethene	BRL	1.00 ppbv	2	"	U
110-54-3 Hexane	BRL	1.00 ppbv	2	"	U
141-78-6 Ethyl acetate	BRL	1.00 ppbv	2	"	U
67-66-3 Chloroform	1.32	1.00 ppbv	2	"	
109-99-9 Tetrahydrofuran	2.28	1.00 ppbv	2	"	
107-06-2 1,2-Dichloroethane	BRL	1.00 ppbv	2	"	U
71-55-6 1,1,1-Trichloroethane	BRL	1.00 ppbv	2	"	U

J L

Sample Identification
RES#3-I2-120406
SA55103-06

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 07:49

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
71-43-2	Benzene	0.680	1.00 ppbv			2	6120588	J
56-23-5	Carbon tetrachloride	BRL	1.00 ppbv			2	"	U
110-82-7	Cyclohexane	BRL	1.00 ppbv			2	"	U
78-87-5	1,2-Dichloropropane	BRL	1.00 ppbv			2	"	U
75-27-4	Bromodichloromethane	BRL	1.00 ppbv			2	"	U
79-01-6	Trichloroethene	BRL	1.00 ppbv			2	"	U
142-82-5	n-Heptane	0.700	1.00 ppbv			2	"	J
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1.00 ppbv			2	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U
79-00-5	1,1,2-Trichloroethane	BRL	1.00 ppbv			2	"	U
108-88-3	Toluene	22.2	1.00 ppbv			2	"	
591-78-6	2-Hexanone (MBK)	BRL	1.00 ppbv			2	"	U
124-48-1	Dibromochloromethane	BRL	1.00 ppbv			2	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.00 ppbv			2	"	U
127-18-4	Tetrachloroethene	BRL	1.00 ppbv			2	"	U
108-90-7	Chlorobenzene	BRL	1.00 ppbv			2	"	U
100-41-4	Ethylbenzene	1.00	1.00 ppbv			2	"	
1330-20-7	m,p-Xylene	2.42	1.00 ppbv			2	"	
75-25-2	Bromoform	BRL	1.00 ppbv			2	"	U
100-42-5	Styrene	1.06	1.00 ppbv			2	"	
95-47-6	o-Xylene	0.880	1.00 ppbv			2	"	J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.00 ppbv			2	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
622-96-8	4-Ethyltoluene	BRL	1.00 ppbv			2	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
541-73-1	1,3-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
100-44-7	Benzyl chloride	BRL	1.00 ppbv			2	"	U
106-46-7	1,4-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
95-50-1	1,2-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	1.00 ppbv			2	"	U
87-68-3	Hexachlorobutadiene	BRL	1.00 ppbv			2	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	75-125 %				"	U

cch

Sample Identification
77AVE-OUTDOOR
SA55103-07

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 07:50

Received
06-Dec-06

Method Ref.
Air method TICs

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

Resubmittal
SMK 12/13/20

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
	Tentatively Identified Compounds	None found	ppbv			1	6120588	U
<u>EPA TO-15</u> Prepared by method General Air Prep								
115-07-1	Propene	BRL	0.0900 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.500	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.978	0.0900 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	2.69	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.603	0.0900 ppbv			1	"	
64-17-5	Ethanol	7.59	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.228	0.0900 ppbv		BL	1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.194	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	2.03	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.555	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	0.314	0.0900 ppbv			1	"	
141-78-6	Ethyl acetate	0.172	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.571	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.245	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.145	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0286	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.177	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U
108-88-3	Toluene	0.860	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	

SMK
12/24/2006

Sample Identification
77AVE-OUTDOOR
SA55103-07

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 07:50

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

EPA TO-15

Prepared by method General Air Prep

124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	6120588	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.135	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.186	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.622	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	0.313	0.0900 ppbv			1	"	
95-47-6	o-Xylene	0.222	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.0900 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.0900 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.219	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	75-125 %				"	

Sample Identification
77AVE-OUTDOOR
SA55103-07

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
07-Dec-06

Collection Date/Time
05-Dec-06 07:50
Analyzed
07-Dec-06

Received
06-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
	Tentatively Identified Compounds	None found	ppbv			1	6120588	U
<u>EPA TO-15</u> Prepared by method General Air Prep								
115-07-1	Propene	BRL	0.0900 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.500	0.0900 ppbv			1	"	
74-87-3	Chloromethane	0.978	0.0900 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	2.69	0.0900 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.603	0.0900 ppbv			1	"	
64-17-5	Ethanol	7.59	0.0900 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.228	0.0900 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.194	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	2.03	0.0900 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.555	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	0.314	0.0900 ppbv			1	"	
141-78-6	Ethyl acetate	0.172	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.571	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.245	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.145	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0286	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.177	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U
108-88-3	Toluene	0.860	0.0900 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U

Sample Identification
77AVE-OUTDOOR
SA55103-07

Client Project #
5555113

Matrix
Air

Collection Date/Time
05-Dec-06 07:50

Received
06-Dec-06

Method Ref.
EPA TO-15

Prepared
07-Dec-06

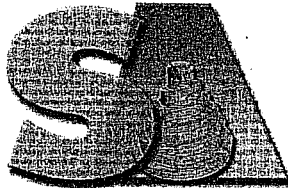
Analyzed
07-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
EPA TO-15		Prepared by method General Air Prep						
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	6120588	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	"	U
127-18-4	Tetrachloroethane	0.135	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.186	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.622	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	0.313	0.0900 ppbv			1	"	
95-47-6	o-Xylene	0.222	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.0900 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.0900 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.219	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	75-125 %				"	

cell

Report Date:
20-Dec-06 12:26



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: Atlas Park - Queens, NY
Project #: 5555113

☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA55104-01	Air 120506	Air	05-Dec-06 09:05	06-Dec-06 09:53
SA55104-02	SV-N 120506	Soil Vapor	05-Dec-06 09:39	06-Dec-06 09:53
SA55104-03	SV-M 120506	Soil Vapor	05-Dec-06 11:55	06-Dec-06 09:53

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met

Please note that this report contains 20 pages of analytical data plus Chain of Custody document(s).

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New York # 11393/11840

Rhode Island # 98

USDA # S-51435

Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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FL Division: 8180 Woodland Center Boulevard • Tampa, FL 33614 • 1-888-497-5270 • 813-888-9507 • FAX 800-480-6435

www.spectrum-analytical.com

Page 1 of 20

Sample IdentificationAir 120506
SA55104-01Client Project #

5555113

Matrix

Air

Collection Date/Time

05-Dec-06 09:05

Received

06-Dec-06

Method Ref.

Air method TICs

Prepared

08-Dec-06

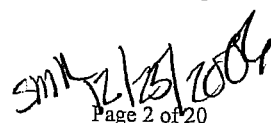
Analyzed

08-Dec-06

Analyst

WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
Tentatively Identified Compounds		None found	ppbv			1	6120687	U
<u>EPA TO-15</u> Prepared by method General Air Prep								
115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.580	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.440	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	6.20	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5	Ethanol	7.47	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	1.24	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.950	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	BRL	0.500 ppbv			1	"	U
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	BRL	0.500 ppbv			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	5.93	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U



 Page 2 of 20

Sample Identification

Air 120506

SA55104-01

Client Project #

5555113

Matrix

Air

Collection Date/Time

05-Dec-06 09:05

Received

06-Dec-06

Method Ref.

EPA TO-15

Prepared

08-Dec-06

Analyzed

08-Dec-06

Analyst

WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
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Air Quality AnalysesEPA TO-15

Prepared by method General Air Prep

124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	6120687	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	0.940	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	102	75-125 %				"	

Sample Identification

SV-N 120506

SA55104-02

Client Project #

5555113

Matrix

Soil Vapor

Collection Date/Time

05-Dec-06 09:39

Received

06-Dec-06

Method Ref.
Air method TICsPrepared
08-Dec-06Analyzed
08-Dec-06Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
003683-19-0	(Z)-4-Methyl-2-hexene	5.38	ppbv	20.30	72	1	6120687	TIC, J
074630-08-3	1-Octene, 3-ethyl-	19.0	ppbv	20.64	74	1	"	TIC, J
000620-00-8	3-Ethyl-2-hexene	8.04	ppbv	16.23	91	1	"	TIC, J
033933-74-3	3-Heptene, 4-ethyl-	5.95	ppbv	18.57	68	1	"	TIC, J
081983-71-3	Cyclohexane, 1,1-dimethyl-2...	7.33	ppbv	23.11	76	1	"	TIC, J
001632-16-2	Heptane, 3-methylene- (01)	23.6	ppbv	15.97	94	1	"	TIC, J
001632-16-2	Heptane, 3-methylene- (02)	11.5	ppbv	18.93	78	1	"	TIC, J
	Nonane, 2-methyl-5-propyl-	11.7	ppbv	23.57	64	1	"	TIC, J
051655-64-2	Nonane, 3-methylene-	13.2	ppbv	21.65	91	1	"	TIC, J
006795-79-5	Nonane, 5-methylene-	7.50	ppbv	21.31	86	1	"	TIC, J
	Undecane, 3,8-dimethyl-	5.93	ppbv	23.23	78	1	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.520	0.500 ppbv			1	"	
74-87-3	Chloromethane	BRL	0.500 ppbv			1	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	19.0	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.400	0.500 ppbv			1	"	J
64-17-5	Ethanol	5.59	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	2.76	0.500 ppbv			1	"	
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	BRL	0.500 ppbv			1	"	U
78-93-3	2-Butanone (MEK)	2.19	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	0.440	0.500 ppbv			1	"	J
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U

SMK
12/22/2004
Page 4 of 20

Sample Identification

SV-N 120506

SA55104-02

Client Project #

5555113

Matrix

Soil Vapor

Collection Date/Time

05-Dec-06 09:39

Received

06-Dec-06

Method Ref.

EPA TO-15

Prepared

08-Dec-06

Analyzed

08-Dec-06

Analyst

WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality AnalysesEPA TO-15

Prepared by method General Air Prep

110-82-7	Cyclohexane	BRL	0.500 ppbv			1	6120687	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	0.540	0.500 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	3.04	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.990	0.500 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	0.860	0.500 ppbv			1	"	
1330-20-7	m,p-Xylene	2.96	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	1.07	0.500 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.560	0.500 ppbv			1	"	
622-96-8	4-Ethyltoluene	0.330	0.500 ppbv			1	"	J
95-63-6	1,2,4-Trimethylbenzene	1.28	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	105	75-125 %				"	

Sample Identification

SV-M 120506

SA55104-03

Client Project #

5555113

Matrix

Soil Vapor

Collection Date/Time

05-Dec-06 11:55

Received

06-Dec-06

Method Ref.
Air method TICsPrepared
09-Dec-06Analyzed
10-Dec-06Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality AnalysesTentatively Identified Compounds in Air

Prepared by method General Air Prep

Reported by Internal General Analysis				TIC	
010574-36-4	2-Hexene, 3-methyl-, (Z)-	17.5	ppbv	5	6120711 J
000620-00-8	3-Ethyl-2-hexene	10.8	ppbv	5	" J
062338-50-5	4-Decene, 8-methyl-, (E)-	9.40	ppbv	5	" J
019398-88-0	cis-4-Decene	8.95	ppbv	5	" J
050876-31-8	Cyclohexane, 1,1,3,5-tetram...	9.75	ppbv	5	" J
081983-71-3	Cyclohexane, 1,1-dimethyl-2...	13.0	ppbv	5	" J
629-78-7	Heptadecane	8.65	ppbv	5	" J
1000160-41-7	Heptane, 3-ethyl-5-methylene-	26.6	ppbv	5	" J
001632-16-2	Heptane, 3-methylene- (01)	34.3	ppbv	5	" J
001632-16-2	Heptane, 3-methylene- (02)	16.3	ppbv	5	" J
051655-64-2	Nonane, 3-methylene-	23.0	ppbv	5	" J
006795-79-5	Nonane, 5-methylene-	11.8	ppbv	5	" J

EPA TO-15

Prepared by method General Air Prep

R01

115-07-1	Propene	BRL	2.50 ppbv	5	"		U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.50 ppbv	5	"		U
74-87-3	Chloromethane	BRL	2.50 ppbv	5	"		U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.50 ppbv	5	"		U
75-01-4	Vinyl chloride	BRL	2.50 ppbv	5	"		U
106-99-0	1,3-Butadiene	BRL	2.50 ppbv	5	"		U
74-83-9	Bromomethane	BRL	2.50 ppbv	5	"		U
75-00-3	Chloroethane	BRL	2.50 ppbv	5	"		U
67-64-1	Acetone	31.2	2.50 ppbv	5	"		U
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.50 ppbv	5	"		U
64-17-5	Ethanol	7.50	2.50 ppbv	5	"		U
75-35-4	1,1-Dichloroethene	BRL	2.50 ppbv	5	"		U
75-09-2	Methylene chloride	BRL	2.50 ppbv	5	"		U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.50 ppbv	5	"		U
75-15-0	Carbon disulfide	6.55	2.50 ppbv	5	"		U
156-60-5	trans-1,2-Dichloroethene	BRL	2.50 ppbv	5	"		U
75-34-3	1,1-Dichloroethane	BRL	2.50 ppbv	5	"		U
1634-04-4	Methyl tert-butyl ether	BRL	2.50 ppbv	5	"		U
67-63-0	Isopropyl alcohol	BRL	2.50 ppbv	5	"		U
78-93-3	2-Butanone (MEK)	BRL	2.50 ppbv	5	"		U
156-59-2	cis-1,2-Dichloroethene	BRL	2.50 ppbv	5	"		U
110-54-3	Hexane	BRL	2.50 ppbv	5	"		U
141-78-6	Ethyl acetate	BRL	2.50 ppbv	5	"		U
67-66-3	Chloroform	BRL	2.50 ppbv	5	"		U
109-99-9	Tetrahydrofuran	BRL	2.50 ppbv	5	"		U
107-06-2	1,2-Dichloroethane	BRL	2.50 ppbv	5	"		U
71-55-6	1,1,1-Trichloroethane	BRL	2.50 ppbv	5	"		U
71-43-2	Benzene	BRL	2.50 ppbv	5	"		U

Sample Identification

SV-M 120506

SA55104-03

Client Project #

5555113

Matrix

Soil Vapor

Collection Date/Time

05-Dec-06 11:55

Received

06-Dec-06

Method Ref.

EPA TO-15

Prepared

09-Dec-06

Analyzed

10-Dec-06

Analyst

WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
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Air Quality AnalysesEPA TO-15

Prepared by method General Air Prep

R01

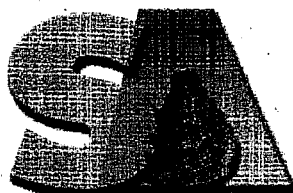
56-23-5	Carbon tetrachloride	BRL	2.50 ppbv			5	6120711	U
110-82-7	Cyclohexane	BRL	2.50 ppbv			5	"	U
78-87-5	1,2-Dichloropropane	BRL	2.50 ppbv			5	"	U
75-27-4	Bromodichloromethane	BRL	2.50 ppbv			5	"	U
79-01-6	Trichloroethene	BRL	2.50 ppbv			5	"	U
142-82-5	n-Heptane	BRL	2.50 ppbv			5	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.50 ppbv			5	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	2.50 ppbv			5	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	2.50 ppbv			5	"	U
79-00-5	1,1,2-Trichloroethane	BRL	2.50 ppbv			5	"	U
108-88-3	Toluene	2.85	2.50 ppbv			5	"	U
591-78-6	2-Hexanone (MBK)	BRL	2.50 ppbv			5	"	U
124-48-1	Dibromochloromethane	BRL	2.50 ppbv			5	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.50 ppbv			5	"	U
127-18-4	Tetrachloroethene	1.55	2.50 ppbv			5	"	J
108-90-7	Chlorobenzene	BRL	2.50 ppbv			5	"	U
100-41-4	Ethylbenzene	BRL	2.50 ppbv			5	"	U
1330-20-7	m,p-Xylene	3.35	2.50 ppbv			5	"	U
75-25-2	Bromoform	BRL	2.50 ppbv			5	"	U
100-42-5	Styrene	BRL	2.50 ppbv			5	"	U
95-47-6	o-Xylene	BRL	2.50 ppbv			5	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.50 ppbv			5	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	2.50 ppbv			5	"	U
622-96-8	4-Ethyltoluene	BRL	2.50 ppbv			5	"	U
95-63-6	1,2,4-Trimethylbenzene	1.80	2.50 ppbv			5	"	J
541-73-1	1,3-Dichlorobenzene	BRL	2.50 ppbv			5	"	U
100-44-7	Benzyl chloride	BRL	2.50 ppbv			5	"	U
106-46-7	1,4-Dichlorobenzene	BRL	2.50 ppbv			5	"	U
95-50-1	1,2-Dichlorobenzene	BRL	2.50 ppbv			5	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	2.50 ppbv			5	"	U
87-68-3	Hexachlorobutadiene	BRL	2.50 ppbv			5	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	75-125 %				"	

Table 1 Samples For Data Validation Review
Atlas Park - Parcel B
Glendale, New York
Spectrum Delivery Group 55245

SAMPLE I.D.	LABORATORY I.D.	DATE SAMPLED	MATRIX	ANALYSES PERFORMED	
				VOC	VOC
RES#5-I2-120606	55245	1 12/7/2006	Air		X
RES#5-I1-120606	55245	2 12/7/2006	Air		X
RES#5-SS-120606	55245	3 12/7/2006	Air		X
RES#6-I1-120506	55245	4 12/6/2006	Air		X
RES#6-I2-120506	55245	5 12/6/2006	Air		X
RES#6-SS-120506	55245	6 12/6/2006	Air		X
RES#7-I1-120506	55245	7 12/6/2006	Air		X
RES#7-I2-120506	55245	8 12/6/2006	Air		X
RES#7-SS-120506	55245	9 12/6/2006	Air		X
RES#8-I1-120506	55245	10 12/6/2006	Air		X
RES#8-I2-120506	55245	11 12/6/2006	Air		X
RES#8-SS-120506	55245	12 12/6/2006	Air		X
RES#9-I1-120506	55245	13 12/6/2006	Air		X
RES#9-I2-120506	55245	14 12/6/2006	Air		X
RES#9-SS-120506	55245	15 12/6/2006	Air		X
77-AVE-OA-12/05/06	55245	16 12/6/2006	Air		X
77-AVE-OAI-12/06/06	55245	17 12/7/2006	Air		X

VOC Volatile Organic Compounds

Report Date:
22-Dec-06 16:00



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: Atlas Park - Queens, NY
Project #: 5555113

RESUBMITTAL
RCVD BY SMR 12/23/06
☒ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA55245-01	RES#5-I2-120606	Air	07-Dec-06 09:28	08-Dec-06 09:50
SA55245-02	RES#5-I1-120606	Air	07-Dec-06 09:25	08-Dec-06 09:50
SA55245-03	RES#5-SS-120606	Air	07-Dec-06 09:26	08-Dec-06 09:50
SA55245-04	RES#6-I1-120506	Air	06-Dec-06 18:27	08-Dec-06 09:50
SA55245-05	RES#6-I2-120506	Air	06-Dec-06 18:18	08-Dec-06 09:50
SA55245-06	RES#6-SS-120506	Air	06-Dec-06 17:06	08-Dec-06 09:50
SA55245-07	RES#7-I1-120506	Air	06-Dec-06 18:58	08-Dec-06 09:50
SA55245-08	RES#7-I2-120506	Air	06-Dec-06 16:57	08-Dec-06 09:50
SA55245-09	RES#7-SS-120506	Air	06-Dec-06 18:18	08-Dec-06 09:50
SA55245-10	RES#8-I1-120506	Air	06-Dec-06 15:45	08-Dec-06 09:50
SA55245-11	RES#8-I2-120506	Air	06-Dec-06 14:01	08-Dec-06 09:50
SA55245-12	RES#8-SS-120506	Air	06-Dec-06 14:04	08-Dec-06 09:50
SA55245-13	RES#9-I1-120506	Air	06-Dec-06 14:12	08-Dec-06 09:50
SA55245-14	RES#9-I2-120506	Air	06-Dec-06 15:03	08-Dec-06 09:50
SA55245-15	RES#9-SS-120506	Air	06-Dec-06 16:40	08-Dec-06 09:50
SA55245-16	77AVE-OA-120506	Air	06-Dec-06 14:09	08-Dec-06 09:50
SA55245-17	77AVE-OA-120606	Air	07-Dec-06 08:48	08-Dec-06 09:50

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met

Please note that this report contains 48 pages of analytical data plus Chain of Custody document(s).

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Florida # E87600/E87936

Maine # MA138

New Hampshire # 2538/2972

New Jersey # MA011/MA012

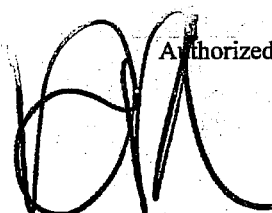
New York # 11393/11840

Rhode Island # 98

USDA # S-51435

Vermont # VT-11393



Authorized by: 

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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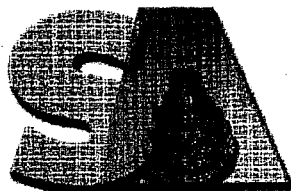
Headquarters: 11 Almgren Drive & 830 Silver Street • Agawam, MA 01001 • 1-800-789-9115 • 413-789-9018 • Fax 413-789-4076

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Page 1 of 48

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Report Date:
20-Dec-06 16:51



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: Atlas Park - Queens, NY
Project #: 5555113

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA55245-01	RES#5-I2-120606	Air	07-Dec-06 09:28	08-Dec-06 09:50
SA55245-02	RES#5-I1-120606	Air	07-Dec-06 09:25	08-Dec-06 09:50
SA55245-03	RES#5-SS-120606	Air	07-Dec-06 09:26	08-Dec-06 09:50
SA55245-04	RES#6-I1-120506	Air	06-Dec-06 18:27	08-Dec-06 09:50
SA55245-05	RES#6-I2-120506	Air	06-Dec-06 18:18	08-Dec-06 09:50
SA55245-06	RES#6-SS-120506	Air	06-Dec-06 17:06	08-Dec-06 09:50
SA55245-07	RES#7-I1-120506	Air	06-Dec-06 18:58	08-Dec-06 09:50
SA55245-08	RES#7-I2-120506	Air	06-Dec-06 16:57	08-Dec-06 09:50
SA55245-09	RES#7-SS-120506	Air	06-Dec-06 18:18	08-Dec-06 09:50
SA55245-10	RES#8-I1-120506	Air	06-Dec-06 15:45	08-Dec-06 09:50
SA55245-11	RES#8-I2-120506	Air	06-Dec-06 14:01	08-Dec-06 09:50
SA55245-12	RES#8-SS-120506	Air	06-Dec-06 14:04	08-Dec-06 09:50
SA55245-13	RES#9-I1-120506	Air	06-Dec-06 14:12	08-Dec-06 09:50
SA55245-14	RES#9-I2-120506	Air	06-Dec-06 15:03	08-Dec-06 09:50
SA55245-15	RES#9-SS-120506	Air	06-Dec-06 16:40	08-Dec-06 09:50
SA55245-16	77AVE-OA-120506	Air	06-Dec-06 14:09	08-Dec-06 09:50
SA55245-17	77AVE-OA-120606	Air	07-Dec-06 08:48	08-Dec-06 09:50

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Please note that this report contains 48 pages of analytical data plus Chain of Custody document(s).

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New Hampshire # 2538/2972

New Jersey # MA011/MA012

New York # 11393/11840

Rhode Island # 98

USDA # S-51435

Vermont # VT-11393



Authorized By:

Hanibal C. Tayeh, Ph.D.

President/Laboratory Director

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FL Division: 8180 Woodland Center Boulevard • Tampa, FL 33614 • 1-888-497-5270 • 813-888-9507 • FAX 800-480-6435 Page 1 of 48

www.spectrum-analytical.com

Sample Identification
RES#5-I2-120606
SA55245-01

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
09-Dec-06

Collection Date/Time
07-Dec-06 09:28
Analyzed
09-Dec-06

Received
08-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

015780-65-1	Acetoacetic acid, 1-thio-, ...	4.88	ppbv	4.69	64	1	6120711	TIC, J
106-97-8	Butane	3.91	ppbv	5.35	80	1	"	TIC, J
	Decane, 2,2-dimethyl-	1.53	ppbv	23.02	72	1	"	TIC, J
5989-27-5	d-Limonene	2.97	ppbv	22.89	94	1	"	TIC, J
	Dodecane, 2,2,11,11-tetrame...	4.20	ppbv	22.79	78	1	"	TIC, J
3891-98-3	Dodecane, 2,6,10-trimethyl-	1.10	ppbv	23.59	80	1	"	TIC, J
000544-85-4	Dotriacontane	1.48	ppbv	24.50	72	1	"	TIC, J
75-37-6	Ethane, 1,1-difluoro-	2.01	ppbv	4.58	91	1	"	TIC, J
062108-32-1	Heptane, 2,2,3,4,6,6-hexame...	3.05	ppbv	21.19	64	1	"	TIC, J
	Heptane, 2,2,3,5-tetramethyl-	0.890	ppbv	21.56	64	1	"	TIC, J
	Heptane, 4-ethyl-2,2,6,6-te...	3.41	ppbv	23.80	72	1	"	TIC, J
3522-94-9	Hexane, 2,2,5-trimethyl-	2.64	ppbv	23.70	72	1	"	TIC, J
75-28-5	Isobutane	6.32	ppbv	5.04	59	1	"	TIC, J
	Nonane, 3,7-dimethyl-	3.00	ppbv	24.17	72	1	"	TIC, J
	Nonane, 3-methyl-5-propyl-	1.33	ppbv	24.63	72	1	"	TIC, J
109-66-0	Pentane	1.32	ppbv	6.90	90	1	"	TIC, J
	Tetradecane	1.40	ppbv	22.04	86	1	"	TIC, J
629-50-5	Tridecane	3.33	ppbv	23.22	72	1	"	TIC, J
	Undecane, 4-methyl-	0.860	ppbv	24.39	72	1	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.490	0.500 ppbv			1	"	J
74-87-3	Chloromethane	0.470	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	10.7	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5	Ethanol	203	0.500 ppbv			1	"	U
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	4.06	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.640	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U

ET LR

SMK
12/22/2004

Sample Identification
RES#5-I2-120606
SA55245-01

Client Project #
5555113
Method Ref.
EPA TO-15

Matrix
Air
Prepared
09-Dec-06

Collection Date/Time
07-Dec-06 09:28
Analyzed
09-Dec-06

Received
08-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
110-54-3	Hexane	BRL	0.500 ppbv			1	6120711	U
141-78-6	Ethyl acetate	0.760	0.500 ppbv			1	"	
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	0.620	0.500 ppbv			1	"	
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	0.400	0.500 ppbv			1	"	J
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	2.05	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	0.770	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.300	0.500 ppbv			1	"	J
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Sample Identification
RES#5-I1-120606
SA55245-02

Client Project #
5555113

Matrix
Air

Collection Date/Time
07-Dec-06 09:25

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
09-Dec-06

Analyzed
09-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

015780-65-1	Acetoacetic acid, 1-thio-, ...	5.03	ppbv	4.69	64	1	6120711	TIC, J
106-97-8	Butane	3.65	ppbv	5.35	80	1	"	TIC, J
	Decane, 2,2-dimethyl-	3.16	ppbv	22.79	78	1	"	TIC, J
5989-27-5	d-Limonene	2.52	ppbv	22.88	94	1	"	TIC, J
	Dodecane, 2,2,11,11-tetrame...	1.25	ppbv	23.02	72	1	"	TIC, J
3891-98-3	Dodecane, 2,6,10-trimethyl-	0.900	ppbv	23.59	64	1	"	TIC, J
75-37-6	Ethane, 1,1-difluoro-	2.03	ppbv	4.58	90	1	"	TIC, J
	Heptane, 4-ethyl-2,2,6,6-te...	2.67	ppbv	23.80	59	1	"	TIC, J
	Heptane, 5-ethyl-2,2,3-trim....	2.06	ppbv	23.70	64	1	"	TIC, J
544-76-3	Hexadecane	2.53	ppbv	23.22	86	1	"	TIC, J
75-28-5	Isobutane	8.22	ppbv	5.04	59	1	"	TIC, J
	Octane, 2,3,6,7-tetramethyl-	1.12	ppbv	24.63	53	1	"	TIC, J
109-66-0	Pentane	14.0	ppbv	6.90	90	1	"	TIC, J
107-83-5	Pentane, 2-methyl-	1.18	ppbv	8.72	91	1	"	TIC, J
96-14-0	Pentane, 3-methyl-	0.820	ppbv	9.16	90	1	"	TIC, J
	Tetradecane	1.35	ppbv	22.04	86	1	"	TIC, J
1120-21-4	Undecane	1.39	ppbv	24.50	76	1	"	TIC, J
	Undecane, 3,8-dimethyl-	2.50	ppbv	24.17	78	1	"	TIC, J
	Undecane, 3-methyl-	1.99	ppbv	21.19	78	1	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.480	0.500 ppbv			1	"	J
74-87-3	Chloromethane	0.490	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	11.4	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5	Ethanol	160	0.500 ppbv			1	"	U
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	0.630	0.500 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	4.70	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.910	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U

ET LP

SMK
12/22/2006
Page 4 of 48

Sample Identification
RES#5-I1-120606
 SA55245-02

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 07-Dec-06 09:25

Received
 08-Dec-06

Method Ref.
 EPA TO-15

Prepared
 09-Dec-06

Analyzed
 09-Dec-06

Analyst
 WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
110-54-3	Hexane	BRL	0.500 ppbv			1	6120711	U
141-78-6	Ethyl acetate	0.680	0.500 ppbv			1	"	
67-66-3	Chloroform	0.340	0.500 ppbv			1	"	J
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	0.610	0.500 ppbv			1	"	
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	0.310	0.500 ppbv			1	"	J
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	0.500	0.500 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	2.23	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	0.300	0.500 ppbv			1	"	J
1330-20-7	m,p-Xylene	0.910	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.320	0.500 ppbv			1	"	J
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Sample Identification
RES#5-SS-120606
 SA55245-03

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 07-Dec-06 09:26

Received
 08-Dec-06

Method Ref.
 Air method TICs

Prepared
 10-Dec-06

Analyzed
 11-Dec-06

Analyst
 WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

	Decane, 2,2,8-trimethyl-	66.2	ppbv	21.19	78	20	6120810	TIC, J
	Decane, 2,2-dimethyl-	141	ppbv	22.79	78	20	"	TIC, J
062238-14-6	Decane, 2,3,8-trimethyl-	428	ppbv	23.22	72	20	"	TIC, J
	Decane, 2,6,7-trimethyl-	14.4	ppbv	24.30	72	20	"	TIC, J
13151-34-3	Decane, 3-methyl-	39.6	ppbv	24.49	78	20	"	TIC, J
	Dodecane, 2,2,11,11-tetrame...	41.2	ppbv	22.62	72	20	"	TIC, J
	Dodecane, 3-methyl-	195	ppbv	23.80	72	20	"	TIC, J
	Heptane, 2,2,3,5-tetramethyl-	20.2	ppbv	21.56	72	20	"	TIC, J
	Heptane, 2,2,4,6,6-pentamet...	54.8	ppbv	23.02	64	20	"	TIC, J
3522-94-9	Hexane, 2,2,5-trimethyl-	245	ppbv	23.70	64	20	"	TIC, J
	Hexane, 3,3-dimethyl-	33.2	ppbv	24.63	64	20	"	TIC, J
	Octane, 2,3,3-trimethyl-	26.6	ppbv	22.05	83	20	"	TIC, J
	Octane, 2,3,6,7-tetramethyl-	17.0	ppbv	23.49	72	20	"	TIC, J
629-50-5	Tridecane	54.0	ppbv	23.59	72	20	"	TIC, J
	Undecane, 2,8-dimethyl-	135	ppbv	24.17	78	20	"	TIC, J
	Undecane, 4-methyl-	20.4	ppbv	24.39	53	20	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

R01

115-07-1	Propene	BRL	10.0 ppbv			20	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	10.0 ppbv			20	"	U
74-87-3	Chloromethane	BRL	10.0 ppbv			20	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	10.0 ppbv			20	"	U
75-01-4	Vinyl chloride	BRL	10.0 ppbv			20	"	U
106-99-0	1,3-Butadiene	BRL	10.0 ppbv			20	"	U
74-83-9	Bromomethane	BRL	10.0 ppbv			20	"	U
75-00-3	Chloroethane	BRL	10.0 ppbv			20	"	U
67-64-1	Acetone	8.80	10.0 ppbv			20	"	J
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	10.0 ppbv			20	"	U
64-17-5	Ethanol	30.4	10.0 ppbv			20	"	
75-35-4	1,1-Dichloroethene	BRL	10.0 ppbv			20	"	U
75-09-2	Methylene chloride	BRL	10.0 ppbv			20	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	10.0 ppbv			20	"	U
75-15-0	Carbon disulfide	BRL	10.0 ppbv			20	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	10.0 ppbv			20	"	U
75-34-3	1,1-Dichloroethane	BRL	10.0 ppbv			20	"	U
1634-04-4	Methyl tert-butyl ether	BRL	10.0 ppbv			20	"	U
67-63-0	Isopropyl alcohol	BRL	10.0 ppbv			20	"	U
78-93-3	2-Butanone (MEK)	BRL	10.0 ppbv			20	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	10.0 ppbv			20	"	U
110-54-3	Hexane	BRL	10.0 ppbv			20	"	U
141-78-6	Ethyl acetate	BRL	10.0 ppbv			20	"	U
67-66-3	Chloroform	BRL	10.0 ppbv			20	"	U

SMK
 12/22/2006

Sample Identification
RES#5-SS-120606
SA55245-03

Client Project #
5555113

Matrix
Air

Collection Date/Time
07-Dec-06 09:26

Received
08-Dec-06

Method Ref.
EPA TO-15

Prepared
10-Dec-06

Analyzed
11-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						R01
109-99-9	Tetrahydrofuran	BRL	10.0 ppbv			20	6120810	U
107-06-2	1,2-Dichloroethane	BRL	10.0 ppbv			20	"	U
71-55-6	1,1,1-Trichloroethane	BRL	10.0 ppbv			20	"	U
71-43-2	Benzene	BRL	10.0 ppbv			20	"	U
56-23-5	Carbon tetrachloride	BRL	10.0 ppbv			20	"	U
110-82-7	Cyclohexane	BRL	10.0 ppbv			20	"	U
78-87-5	1,2-Dichloropropane	BRL	10.0 ppbv			20	"	U
75-27-4	Bromodichloromethane	BRL	10.0 ppbv			20	"	U
79-01-6	Trichloroethene	BRL	10.0 ppbv			20	"	U
142-82-5	n-Heptane	BRL	10.0 ppbv			20	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 ppbv			20	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	10.0 ppbv			20	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	10.0 ppbv			20	"	U
79-00-5	1,1,2-Trichloroethane	BRL	10.0 ppbv			20	"	U
108-88-3	Toluene	BRL	10.0 ppbv			20	"	U
591-78-6	2-Hexanone (MBK)	BRL	10.0 ppbv			20	"	U
124-48-1	Dibromochloromethane	BRL	10.0 ppbv			20	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	10.0 ppbv			20	"	U
127-18-4	Tetrachloroethene	BRL	10.0 ppbv			20	"	U
108-90-7	Chlorobenzene	BRL	10.0 ppbv			20	"	U
100-41-4	Ethylbenzene	BRL	10.0 ppbv			20	"	U
1330-20-7	m,p-Xylene	BRL	10.0 ppbv			20	"	U
75-25-2	Bromoform	BRL	10.0 ppbv			20	"	U
100-42-5	Styrene	BRL	10.0 ppbv			20	"	U
95-47-6	o-Xylene	BRL	10.0 ppbv			20	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	10.0 ppbv			20	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	10.0 ppbv			20	"	U
622-96-8	4-Ethyltoluene	BRL	10.0 ppbv			20	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	10.0 ppbv			20	"	U
541-73-1	1,3-Dichlorobenzene	BRL	10.0 ppbv			20	"	U
100-44-7	Benzyl chloride	BRL	10.0 ppbv			20	"	U
106-46-7	1,4-Dichlorobenzene	BRL	10.0 ppbv			20	"	U
95-50-1	1,2-Dichlorobenzene	BRL	10.0 ppbv			20	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	10.0 ppbv			20	"	U
87-68-3	Hexachlorobutadiene	BRL	10.0 ppbv			20	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	75-125 %				"	

Sample Identification
RES#6-11-120506
SA55245-04

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 18:27

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
09-Dec-06

Analyzed
09-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
106-97-8	Butane	2.88	ppbv	5.35	72	2	6120711	TIC, J
5989-27-5	d-Limonene	3.20	ppbv	22.89	94	2	"	TIC, J
75-28-5	Isobutane	4.88	ppbv	5.04	59	2	"	TIC, J
91-20-3	Naphthalene	2.38	ppbv	26.61	91	2	"	TIC, J
109-66-0	Pentane	1.92	ppbv	6.90	90	2	"	TIC, J
000107-51-7	Trisiloxane, octamethyl-	2.04	ppbv	18.83	90	2	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	1.00 ppbv			2	"	U
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL	1.00 ppbv			2	"	U
74-87-3	Chloromethane	BRL	1.00 ppbv			2	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	1.00 ppbv			2	"	U
75-01-4	Vinyl chloride	BRL	1.00 ppbv			2	"	U
106-99-0	1,3-Butadiene	BRL	1.00 ppbv			2	"	U
74-83-9	Bromomethane	BRL	1.00 ppbv			2	"	U
75-00-3	Chloroethane	BRL	1.00 ppbv			2	"	U
67-64-1	Acetone	10.1	1.00 ppbv			2	"	U
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.00 ppbv			2	"	U
64-17-5	Ethanol	353	1.00 ppbv			2	"	U
75-35-4	1,1-Dichloroethene	BRL	1.00 ppbv			2	"	U
75-09-2	Methylene chloride	1.12	1.00 ppbv			2	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	1.00 ppbv			2	"	U
75-15-0	Carbon disulfide	BRL	1.00 ppbv			2	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	1.00 ppbv			2	"	U
75-34-3	1,1-Dichloroethane	BRL	1.00 ppbv			2	"	U
1634-04-4	Methyl tert-butyl ether	BRL	1.00 ppbv			2	"	U
67-63-0	Isopropyl alcohol	4.50	1.00 ppbv			2	"	U
78-93-3	2-Butanone (MEK)	0.680	1.00 ppbv			2	"	J
156-59-2	cis-1,2-Dichloroethene	BRL	1.00 ppbv			2	"	U
110-54-3	Hexane	BRL	1.00 ppbv			2	"	U
141-78-6	Ethyl acetate	1.92	1.00 ppbv			2	"	U
67-66-3	Chloroform	BRL	1.00 ppbv			2	"	U
109-99-9	Tetrahydrofuran	BRL	1.00 ppbv			2	"	U
107-06-2	1,2-Dichloroethane	BRL	1.00 ppbv			2	"	U
71-55-6	1,1,1-Trichloroethane	BRL	1.00 ppbv			2	"	U
71-43-2	Benzene	1.14	1.00 ppbv			2	"	U
56-23-5	Carbon tetrachloride	BRL	1.00 ppbv			2	"	U
110-82-7	Cyclohexane	BRL	1.00 ppbv			2	"	U
78-87-5	1,2-Dichloropropane	BRL	1.00 ppbv			2	"	U
75-27-4	Bromodichloromethane	BRL	1.00 ppbv			2	"	U
79-01-6	Trichloroethene	BRL	1.00 ppbv			2	"	U
142-82-5	n-Heptane	BRL	1.00 ppbv			2	"	U

SMK
12/12/2006
Page 8 of 48

Sample Identification
RES#6-II-120506
 SA55245-04

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 06-Dec-06 18:27

Received
 08-Dec-06

Method Ref.
 EPA TO-15

Prepared
 09-Dec-06

Analyzed
 09-Dec-06

Analyst
 WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1.00 ppbv			2	6120711	U
10061-01-5	cis-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U
79-00-5	1,1,2-Trichloroethane	BRL	1.00 ppbv			2	"	U
108-88-3	Toluene	3.96	1.00 ppbv			2	"	
591-78-6	2-Hexanone (MBK)	BRL	1.00 ppbv			2	"	U
124-48-1	Dibromochloromethane	BRL	1.00 ppbv			2	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.00 ppbv			2	"	U
127-18-4	Tetrachloroethene	BRL	1.00 ppbv			2	"	U
108-90-7	Chlorobenzene	BRL	1.00 ppbv			2	"	U
100-41-4	Ethylbenzene	BRL	1.00 ppbv			2	"	U
1330-20-7	m,p-Xylene	1.30	1.00 ppbv			2	"	
75-25-2	Bromoform	BRL	1.00 ppbv			2	"	U
100-42-5	Styrene	BRL	1.00 ppbv			2	"	U
95-47-6	o-Xylene	BRL	1.00 ppbv			2	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.00 ppbv			2	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
622-96-8	4-Ethyltoluene	BRL	1.00 ppbv			2	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
541-73-1	1,3-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
100-44-7	Benzyl chloride	BRL	1.00 ppbv			2	"	U
106-46-7	1,4-Dichlorobenzene	7.94	1.00 ppbv			2	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	1.00 ppbv			2	"	U
87-68-3	Hexachlorobutadiene	BRL	1.00 ppbv			2	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Sample Identification
RES#6-I2-120506
SA55245-05

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 18:18

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
10-Dec-06

Analyzed
10-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

106-97-8	Butane	3.26	ppbv	5.34	78	2	6120810	TIC, J
5989-27-5	d-Limonene	4.92	ppbv	22.88	94	2	"	TIC, J
	Ethane, 1-chloro-1,1-difluoro-	1.38	ppbv	4.89	83	2	"	TIC, J
75-28-5	Isobutane	5.98	ppbv	5.04	59	2	"	TIC, J
109-66-0	Pentane	2.26	ppbv	6.90	78	2	"	TIC, J
000107-51-7	Trisiloxane, octamethyl-	3.64	ppbv	18.83	90	2	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	1.00 ppbv			2	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	1.00 ppbv			2	"	U
74-87-3	Chloromethane	BRL	1.00 ppbv			2	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	1.00 ppbv			2	"	U
75-01-4	Vinyl chloride	BRL	1.00 ppbv			2	"	U
106-99-0	1,3-Butadiene	BRL	1.00 ppbv			2	"	U
74-83-9	Bromomethane	BRL	1.00 ppbv			2	"	U
75-00-3	Chloroethane	BRL	1.00 ppbv			2	"	U
67-64-1	Acetone	BRL	1.00 ppbv			2	"	U
75-69-4	Trichlorofluoromethane (Freon 11)	0.620	1.00 ppbv			2	"	J
64-17-5	Ethanol	629	1.00 ppbv			2	"	J LR
75-35-4	1,1-Dichloroethene	BRL	1.00 ppbv			2	"	U
75-09-2	Methylene chloride	1.14	1.00 ppbv			2	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	1.00 ppbv			2	"	U
75-15-0	Carbon disulfide	BRL	1.00 ppbv			2	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	1.00 ppbv			2	"	U
75-34-3	1,1-Dichloroethane	BRL	1.00 ppbv			2	"	U
1634-04-4	Methyl tert-butyl ether	BRL	1.00 ppbv			2	"	U
67-63-0	Isopropyl alcohol	5.28	1.00 ppbv			2	"	
78-93-3	2-Butanone (MEK)	BRL	1.00 ppbv			2	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	1.00 ppbv			2	"	U
110-54-3	Hexane	BRL	1.00 ppbv			2	"	U
141-78-6	Ethyl acetate	2.76	1.00 ppbv			2	"	
67-66-3	Chloroform	BRL	1.00 ppbv			2	"	U
109-99-9	Tetrahydrofuran	BRL	1.00 ppbv			2	"	U
107-06-2	1,2-Dichloroethane	BRL	1.00 ppbv			2	"	U
71-55-6	1,1,1-Trichloroethane	BRL	1.00 ppbv			2	"	U
71-43-2	Benzene	1.28	1.00 ppbv			2	"	
56-23-5	Carbon tetrachloride	BRL	1.00 ppbv			2	"	U
110-82-7	Cyclohexane	BRL	1.00 ppbv			2	"	U
78-87-5	1,2-Dichloropropane	BRL	1.00 ppbv			2	"	U
75-27-4	Bromodichloromethane	BRL	1.00 ppbv			2	"	U
79-01-6	Trichloroethene	BRL	1.00 ppbv			2	"	U
142-82-5	n-Heptane	BRL	1.00 ppbv			2	"	U

smk
12/22/2006
Page 10 of 48

Sample Identification
RES#6-12-120506
SA55245-05

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 18:18

Received
08-Dec-06

Method Ref.
EPA TO-15

Prepared
10-Dec-06

Analyzed
10-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1.00 ppbv			2	6120810	U
10061-01-5	cis-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U
79-00-5	1,1,2-Trichloroethane	BRL	1.00 ppbv			2	"	U
108-88-3	Toluene	7.44	1.00 ppbv			2	"	
591-78-6	2-Hexanone (MBK)	BRL	1.00 ppbv			2	"	U
124-48-1	Dibromochloromethane	BRL	1.00 ppbv			2	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.00 ppbv			2	"	U
127-18-4	Tetrachloroethene	BRL	1.00 ppbv			2	"	U
108-90-7	Chlorobenzene	BRL	1.00 ppbv			2	"	U
100-41-4	Ethylbenzene	BRL	1.00 ppbv			2	"	U
1330-20-7	m,p-Xylene	1.40	1.00 ppbv			2	"	
75-25-2	Bromoform	BRL	1.00 ppbv			2	"	U
100-42-5	Styrene	BRL	1.00 ppbv			2	"	U
95-47-6	o-Xylene	BRL	1.00 ppbv			2	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.00 ppbv			2	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
622-96-8	4-Ethyltoluene	BRL	1.00 ppbv			2	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
541-73-1	1,3-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
100-44-7	Benzyl chloride	BRL	1.00 ppbv			2	"	U
106-46-7	1,4-Dichlorobenzene	9.36	1.00 ppbv			2	"	
95-50-1	1,2-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	1.00 ppbv			2	"	U
87-68-3	Hexachlorobutadiene	BRL	1.00 ppbv			2	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Sample Identification
RES#6-SS-120506
SA55245-06

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 17:06

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
10-Dec-06

Analyzed
11-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

	Decane, 2,2-dimethyl-	51.4	ppbv	22.79	78	10	6120810	TIC, J
062238-14-6	Decane, 2,3,8-trimethyl-	162	ppbv	23.22	72	10	"	TIC, J
13151-34-3	Decane, 3-methyl-	13.3	ppbv	24.49	78	10	"	TIC, J
629-78-7	Heptadecane	11.2	ppbv	24.63	72	10	"	TIC, J
	Heptane, 2,2,3,5-tetramethyl-	7.60	ppbv	21.56	78	10	"	TIC, J
	Heptane, 2,2,4,6,6-pentamet...	15.8	ppbv	22.62	78	10	"	TIC, J
	Heptane, 5-ethyl-2,2,3-trim...	89.1	ppbv	23.70	72	10	"	TIC, J
	Octane, 2,3,3-trimethyl-	10.0	ppbv	22.05	83	10	"	TIC, J
062016-14-2	Octane, 2,5,6-trimethyl-	26.1	ppbv	21.19	64	10	"	TIC, J
	Octane, 4-ethyl-	19.0	ppbv	23.59	72	10	"	TIC, J
	Octane, 6-ethyl-2-methyl-	46.9	ppbv	24.17	64	10	"	TIC, J
	Tetradecane, 2,2-dimethyl-	20.0	ppbv	23.02	78	10	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

R01

115-07-1	Propene	BRL	5.00 ppbv			10	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	5.00 ppbv			10	"	U
74-87-3	Chloromethane	BRL	5.00 ppbv			10	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	5.00 ppbv			10	"	U
75-01-4	Vinyl chloride	BRL	5.00 ppbv			10	"	U
106-99-0	1,3-Butadiene	BRL	5.00 ppbv			10	"	U
74-83-9	Bromomethane	BRL	5.00 ppbv			10	"	U
75-00-3	Chloroethane	BRL	5.00 ppbv			10	"	U
67-64-1	Acetone	BRL	5.00 ppbv			10	"	U
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.00 ppbv			10	"	U
64-17-5	Ethanol	68.0	5.00 ppbv			10	"	
75-35-4	1,1-Dichloroethene	BRL	5.00 ppbv			10	"	U
75-09-2	Methylene chloride	BRL	5.00 ppbv			10	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.00 ppbv			10	"	U
75-15-0	Carbon disulfide	BRL	5.00 ppbv			10	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.00 ppbv			10	"	U
75-34-3	1,1-Dichloroethane	BRL	5.00 ppbv			10	"	U
1634-04-4	Methyl tert-butyl ether	BRL	5.00 ppbv			10	"	U
67-63-0	Isopropyl alcohol	BRL	5.00 ppbv			10	"	U
78-93-3	2-Butanone (MEK)	BRL	5.00 ppbv			10	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	5.00 ppbv			10	"	U
110-54-3	Hexane	BRL	5.00 ppbv			10	"	U
141-78-6	Ethyl acetate	BRL	5.00 ppbv			10	"	U
67-66-3	Chloroform	BRL	5.00 ppbv			10	"	U
109-99-9	Tetrahydrofuran	BRL	5.00 ppbv			10	"	U
107-06-2	1,2-Dichloroethane	BRL	5.00 ppbv			10	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.00 ppbv			10	"	U
71-43-2	Benzene	BRL	5.00 ppbv			10	"	U

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Page 12 of 48

Sample Identification
RES#6-SS-120506
 SA55245-06

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 06-Dec-06 17:06

Received
 08-Dec-06

Method Ref.
 EPA TO-15

Prepared
 10-Dec-06

Analyzed
 11-Dec-06

Analyst
 WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep					R01	
56-23-5	Carbon tetrachloride	BRL	5.00 ppbv			10	6120810	U
110-82-7	Cyclohexane	BRL	5.00 ppbv			10	"	U
78-87-5	1,2-Dichloropropane	BRL	5.00 ppbv			10	"	U
75-27-4	Bromodichloromethane	BRL	5.00 ppbv			10	"	U
79-01-6	Trichloroethene	BRL	5.00 ppbv			10	"	U
142-82-5	n-Heptane	BRL	5.00 ppbv			10	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	5.00 ppbv			10	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
79-00-5	1,1,2-Trichloroethane	BRL	5.00 ppbv			10	"	U
108-88-3	Toluene	6.80	5.00 ppbv			10	"	
591-78-6	2-Hexanone (MBK)	BRL	5.00 ppbv			10	"	U
124-48-1	Dibromochloromethane	BRL	5.00 ppbv			10	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.00 ppbv			10	"	U
127-18-4	Tetrachloroethene	BRL	5.00 ppbv			10	"	U
108-90-7	Chlorobenzene	BRL	5.00 ppbv			10	"	U
100-41-4	Ethylbenzene	BRL	5.00 ppbv			10	"	U
1330-20-7	m,p-Xylene	BRL	5.00 ppbv			10	"	U
75-25-2	Bromoform	BRL	5.00 ppbv			10	"	U
100-42-5	Styrene	BRL	5.00 ppbv			10	"	U
95-47-6	o-Xylene	BRL	5.00 ppbv			10	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.00 ppbv			10	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
622-96-8	4-Ethyltoluene	BRL	5.00 ppbv			10	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
100-44-7	Benzyl chloride	BRL	5.00 ppbv			10	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 ppbv			10	"	U
87-68-3	Hexachlorobutadiene	BRL	5.00 ppbv			10	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	102	75-125 %				"	

Sample Identification
RES#7-II-120506
SA55245-07

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 18:58

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
10-Dec-06

Analyzed
10-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

106-97-8	Butane	1.27	ppbv	5.35	72	1	6120810	TIC, J
5989-27-5	d-Limonene	1.09	ppbv	22.89	94	1	"	TIC, J
75-28-5	Isobutane	1.45	ppbv	5.04	40	1	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.520	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.510	0.500 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	2.90	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5	Ethanol	215	0.500 ppbv			1	"	U R LP
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	0.300	0.500 ppbv			1	"	J
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	0.820	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	BRL	0.500 ppbv			1	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	0.520	0.500 ppbv			1	"	
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	BRL	0.500 ppbv			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U

SMK
12/22/2006
Page 14 of 48

Sample Identification
RES#7-I1-120506
 SA55245-07

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 06-Dec-06 18:58

Received
 08-Dec-06

Method Ref.
 EPA TO-15

Prepared
 10-Dec-06

Analyzed
 10-Dec-06

Analyst
 WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	6120810	U
108-88-3	Toluene	1.38	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	0.490	0.500 ppbv			1	"	J
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Sample Identification
RES#7-12-120506
SA55245-08

Client Project #
5555113

Matrix-
Air

Collection Date/Time
06-Dec-06 16:57

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
10-Dec-06

Analyzed
10-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
78-79-5	1,3-Butadiene, 2-methyl-	1.84	ppbv	7.01	96	2	6120810	TIC, J
106-97-8	Butane	1.42	ppbv	5.35	56	2	"	TIC, J
5989-27-5	d-Limonene	2.30	ppbv	22.89	94	2	"	TIC, J
75-37-6	Ethane, 1,1-difluoro-	1.50	ppbv	4.58	74	2	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	1.00 ppbv			2	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	1.00 ppbv			2	"	U
74-87-3	Chloromethane	0.920	1.00 ppbv			2	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	1.00 ppbv			2	"	U
75-01-4	Vinyl chloride	BRL	1.00 ppbv			2	"	U
106-99-0	1,3-Butadiene	BRL	1.00 ppbv			2	"	U
74-83-9	Bromomethane	BRL	1.00 ppbv			2	"	U
75-00-3	Chloroethane	BRL	1.00 ppbv			2	"	U
67-64-1	Acetone	5.18	1.00 ppbv			2	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.00 ppbv			2	"	U
64-17-5	Ethanol	688	1.00 ppbv			2	"	J
75-35-4	1,1-Dichloroethene	BRL	1.00 ppbv			2	"	U
75-09-2	Methylene chloride	BRL	1.00 ppbv			2	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	1.00 ppbv			2	"	U
75-15-0	Carbon disulfide	BRL	1.00 ppbv			2	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	1.00 ppbv			2	"	U
75-34-3	1,1-Dichloroethane	BRL	1.00 ppbv			2	"	U
1634-04-4	Methyl tert-butyl ether	BRL	1.00 ppbv			2	"	U
67-63-0	Isopropyl alcohol	2.04	1.00 ppbv			2	"	
78-93-3	2-Butanone (MEK)	BRL	1.00 ppbv			2	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	1.00 ppbv			2	"	U
110-54-3	Hexane	BRL	1.00 ppbv			2	"	U
141-78-6	Ethyl acetate	BRL	1.00 ppbv			2	"	U
67-66-3	Chloroform	BRL	1.00 ppbv			2	"	U
109-99-9	Tetrahydrofuran	BRL	1.00 ppbv			2	"	U
107-06-2	1,2-Dichloroethane	BRL	1.00 ppbv			2	"	U
71-55-6	1,1,1-Trichloroethane	BRL	1.00 ppbv			2	"	U
71-43-2	Benzene	0.620	1.00 ppbv			2	"	J
56-23-5	Carbon tetrachloride	BRL	1.00 ppbv			2	"	U
110-82-7	Cyclohexane	BRL	1.00 ppbv			2	"	U
78-87-5	1,2-Dichloropropane	BRL	1.00 ppbv			2	"	U
75-27-4	Bromodichloromethane	BRL	1.00 ppbv			2	"	U
79-01-6	Trichloroethene	BRL	1.00 ppbv			2	"	U
142-82-5	n-Heptane	BRL	1.00 ppbv			2	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1.00 ppbv			2	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U

SML
12/22/2004
Page 16 of 48

Sample Identification
RES#7-12-120506
 SA55245-08

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 06-Dec-06 16:57

Received
 08-Dec-06

Method Ref.
 EPA TO-15

Prepared
 10-Dec-06

Analyzed
 10-Dec-06

Analyst
 WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
10061-02-6	trans-1,3-Dichloropropene	BRL	1.00 ppbv			2	6120810	U
79-00-5	1,1,2-Trichloroethane	BRL	1.00 ppbv			2	"	U
108-88-3	Toluene	2.68	1.00 ppbv			2	"	
591-78-6	2-Hexanone (MBK)	BRL	1.00 ppbv			2	"	U
124-48-1	Dibromochloromethane	BRL	1.00 ppbv			2	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.00 ppbv			2	"	U
127-18-4	Tetrachloroethene	BRL	1.00 ppbv			2	"	U
108-90-7	Chlorobenzene	BRL	1.00 ppbv			2	"	U
100-41-4	Ethylbenzene	BRL	1.00 ppbv			2	"	U
1330-20-7	m,p-Xylene	BRL	1.00 ppbv			2	"	U
75-25-2	Bromoform	BRL	1.00 ppbv			2	"	U
100-42-5	Styrene	BRL	1.00 ppbv			2	"	U
95-47-6	o-Xylene	BRL	1.00 ppbv			2	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.00 ppbv			2	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
622-96-8	4-Ethyltoluene	BRL	1.00 ppbv			2	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
541-73-1	1,3-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
100-44-7	Benzyl chloride	BRL	1.00 ppbv			2	"	U
106-46-7	1,4-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
95-50-1	1,2-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	1.00 ppbv			2	"	U
87-68-3	Hexachlorobutadiene	BRL	1.00 ppbv			2	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	75-125 %				"	

Sample Identification
RES#7-SS-120506
 SA55245-09

Client Project #
 5555113
Method Ref.
 Air method TICs

Matrix
 Air
Prepared
 10-Dec-06

Collection Date/Time
 06-Dec-06 18:18
Analyzed
 11-Dec-06

Received
 08-Dec-06
Analyst
 WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

13151-34-3	Decane, 2,2-dimethyl-	63.5	ppbv	22.79	78	10	6120810	TIC, J
	Decane, 3-methyl-	16.7	ppbv	24.49	83	10	"	TIC, J
	Dodecane, 2,2,11,11-tetrame...	24.6	ppbv	23.02	72	10	"	TIC, J
	Dodecane, 3-methyl-	85.2	ppbv	23.80	72	10	"	TIC, J
112-95-8	Eicosane	204	ppbv	23.22	64	10	"	TIC, J
	Heptadecane, 2,6-dimethyl-	12.4	ppbv	22.05	72	10	"	TIC, J
	Heptane, 2,2,4,6,6-pentamet...	20.0	ppbv	22.62	78	10	"	TIC, J
	Heptane, 5-ethyl-2,2,3-trim...	111	ppbv	23.70	64	10	"	TIC, J
	Hexane, 2,2,3-trimethyl-	9.40	ppbv	21.56	53	10	"	TIC, J
	Hexane, 2,2,5,5-tetramethyl-	32.3	ppbv	21.19	59	10	"	TIC, J
	Octane, 2,3,6,7-tetramethyl-	7.30	ppbv	23.49	64	10	"	TIC, J
	Octane, 4-ethyl-	23.5	ppbv	23.59	72	10	"	TIC, J
	Octane, 6-ethyl-2-methyl-	57.7	ppbv	24.17	72	10	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

R01

115-07-1	Propene	BRL	5.00 ppbv			10	"	U
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL	5.00 ppbv			10	"	U
74-87-3	Chloromethane	BRL	5.00 ppbv			10	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	5.00 ppbv			10	"	U
75-01-4	Vinyl chloride	BRL	5.00 ppbv			10	"	U
106-99-0	1,3-Butadiene	BRL	5.00 ppbv			10	"	U
74-83-9	Bromomethane	BRL	5.00 ppbv			10	"	U
75-00-3	Chloroethane	BRL	5.00 ppbv			10	"	U
67-64-1	Acetone	8.00	5.00 ppbv			10	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.00 ppbv			10	"	U
64-17-5	Ethanol	14.6	5.00 ppbv			10	"	
75-35-4	1,1-Dichloroethene	BRL	5.00 ppbv			10	"	U
75-09-2	Methylene chloride	BRL	5.00 ppbv			10	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.00 ppbv			10	"	U
75-15-0	Carbon disulfide	BRL	5.00 ppbv			10	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.00 ppbv			10	"	U
75-34-3	1,1-Dichloroethane	BRL	5.00 ppbv			10	"	U
1634-04-4	Methyl tert-butyl ether	BRL	5.00 ppbv			10	"	U
67-63-0	Isopropyl alcohol	BRL	5.00 ppbv			10	"	U
78-93-3	2-Butanone (MEK)	BRL	5.00 ppbv			10	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	5.00 ppbv			10	"	U
110-54-3	Hexane	BRL	5.00 ppbv			10	"	U
141-78-6	Ethyl acetate	BRL	5.00 ppbv			10	"	U
67-66-3	Chloroform	BRL	5.00 ppbv			10	"	U
109-99-9	Tetrahydrofuran	BRL	5.00 ppbv			10	"	U
107-06-2	1,2-Dichloroethane	BRL	5.00 ppbv			10	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.00 ppbv			10	"	U

smk
 12/22/2006
 Page 18 of 48

Sample Identification
RES#7-SS-120506
SA55245-09

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 18:18

Received
08-Dec-06

Method Ref.
EPA TO-15

Prepared
10-Dec-06

Analyzed
11-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep			R01			
71-43-2	Benzene	BRL	5.00 ppbv			10	6120810	U
56-23-5	Carbon tetrachloride	BRL	5.00 ppbv			10	"	U
110-82-7	Cyclohexane	BRL	5.00 ppbv			10	"	U
78-87-5	1,2-Dichloropropane	BRL	5.00 ppbv			10	"	U
75-27-4	Bromodichloromethane	BRL	5.00 ppbv			10	"	U
79-01-6	Trichloroethene	BRL	5.00 ppbv			10	"	U
142-82-5	n-Heptane	BRL	5.00 ppbv			10	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	5.00 ppbv			10	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	5.00 ppbv			10	"	U
79-00-5	1,1,2-Trichloroethane	BRL	5.00 ppbv			10	"	U
108-88-3	Toluene	3.00	5.00 ppbv			10	"	J
591-78-6	2-Hexanone (MBK)	BRL	5.00 ppbv			10	"	U
124-48-1	Dibromochloromethane	BRL	5.00 ppbv			10	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.00 ppbv			10	"	U
127-18-4	Tetrachloroethene	BRL	5.00 ppbv			10	"	U
108-90-7	Chlorobenzene	BRL	5.00 ppbv			10	"	U
100-41-4	Ethylbenzene	BRL	5.00 ppbv			10	"	U
1330-20-7	m,p-Xylene	BRL	5.00 ppbv			10	"	U
75-25-2	Bromoform	BRL	5.00 ppbv			10	"	U
100-42-5	Styrene	BRL	5.00 ppbv			10	"	U
95-47-6	o-Xylene	BRL	5.00 ppbv			10	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.00 ppbv			10	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
622-96-8	4-Ethyltoluene	BRL	5.00 ppbv			10	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	5.00 ppbv			10	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
100-44-7	Benzyl chloride	BRL	5.00 ppbv			10	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.00 ppbv			10	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00 ppbv			10	"	U
87-68-3	Hexachlorobutadiene	BRL	5.00 ppbv			10	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	103	75-125 %				"	

Sample Identification
RES#8-II-120506
SA55245-10

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 15:45

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
09-Dec-06

Analyzed
09-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

	Benzene, 1-ethyl-3-methyl-	0.780	ppbv	20.92	94	1	6120711	TIC, J
106-97-8	Butane	9.72	ppbv	5.34	80	1	"	TIC, J
108-87-2	Cyclohexane, methyl-	2.23	ppbv	13.93	91	1	"	TIC, J
96-37-7	Cyclopentane, methyl-	0.680	ppbv	10.64	87	1	"	TIC, J
124-18-5	Decane	2.42	ppbv	22.04	96	1	"	TIC, J
112-40-3	Dodecane	0.730	ppbv	26.77	96	1	"	TIC, J
75-37-6	Ethane, 1,1-difluoro-	2.40	ppbv	4.58	90	1	"	TIC, J
589-34-4	Hexane, 3-methyl-	0.660	ppbv	12.27	91	1	"	TIC, J
75-28-5	Isobutane	3.48	ppbv	5.04	59	1	"	TIC, J
109-66-0	Pentane	1.58	ppbv	6.90	86	1	"	TIC, J
107-83-5	Pentane, 2-methyl-	1.29	ppbv	8.71	90	1	"	TIC, J
96-14-0	Pentane, 3-methyl-	0.710	ppbv	9.16	90	1	"	TIC, J
74-98-6	Propane	5.11	ppbv	4.68	56	1	"	TIC, J
1120-21-4	Undecane	1.38	ppbv	24.50	94	1	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon 12)	0.730	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.430	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	11.2	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.390	0.500 ppbv			1	"	J
64-17-5	Ethanol	193	0.500 ppbv			1	"	J LR
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	0.330	0.500 ppbv			1	"	J
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	3.44	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.970	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U

SMN
12/24/06

Sample Identification
RES#8-I1-120506
SA55245-10

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 15:45

Received
08-Dec-06

Method Ref.
EPA TO-15

Prepared
09-Dec-06

Analyzed
09-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	6120711	U
71-43-2	Benzene	0.910	0.500 ppbv			1	"	
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	0.360	0.500 ppbv			1	"	J
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	1.78	0.500 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	4.85	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	0.320	0.500 ppbv			1	"	J
1330-20-7	m,p-Xylene	1.09	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	0.400	0.500 ppbv			1	"	J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.780	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Sample Identification
RES#8-12-120506
SA55245-11

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 14:01

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
09-Dec-06

Analyzed
10-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
75-28-5	Isobutane	2.92	ppbv	5.04	42	4	6120711	TIC, J
EPA TO-15								
Prepared by method General Air Prep								
115-07-1	Propene	BRL	2.00 ppbv			4	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	1.84	2.00 ppbv			4	"	J
74-87-3	Chloromethane	BRL	2.00 ppbv			4	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.00 ppbv			4	"	U
75-01-4	Vinyl chloride	BRL	2.00 ppbv			4	"	U
106-99-0	1,3-Butadiene	BRL	2.00 ppbv			4	"	U
74-83-9	Bromomethane	BRL	2.00 ppbv			4	"	U
75-00-3	Chloroethane	BRL	2.00 ppbv			4	"	U
67-64-1	Acetone	9.92	2.00 ppbv			4	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.00 ppbv			4	"	U
64-17-5	Ethanol	590	2.00 ppbv			4	"	J LR
75-35-4	1,1-Dichloroethene	BRL	2.00 ppbv			4	"	U
75-09-2	Methylene chloride	BRL	2.00 ppbv			4	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.00 ppbv			4	"	U
75-15-0	Carbon disulfide	BRL	2.00 ppbv			4	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	2.00 ppbv			4	"	U
75-34-3	1,1-Dichloroethane	BRL	2.00 ppbv			4	"	U
1634-04-4	Methyl tert-butyl ether	BRL	2.00 ppbv			4	"	U
67-63-0	Isopropyl alcohol	3.00	2.00 ppbv			4	"	
78-93-3	2-Butanone (MEK)	BRL	2.00 ppbv			4	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	2.00 ppbv			4	"	U
110-54-3	Hexane	BRL	2.00 ppbv			4	"	U
141-78-6	Ethyl acetate	1.32	2.00 ppbv			4	"	J
67-66-3	Chloroform	BRL	2.00 ppbv			4	"	U
109-99-9	Tetrahydrofuran	BRL	2.00 ppbv			4	"	U
107-06-2	1,2-Dichloroethane	BRL	2.00 ppbv			4	"	U
71-55-6	1,1,1-Trichloroethane	BRL	2.00 ppbv			4	"	U
71-43-2	Benzene	BRL	2.00 ppbv			4	"	U
56-23-5	Carbon tetrachloride	BRL	2.00 ppbv			4	"	U
110-82-7	Cyclohexane	BRL	2.00 ppbv			4	"	U
78-87-5	1,2-Dichloropropane	BRL	2.00 ppbv			4	"	U
75-27-4	Bromodichloromethane	BRL	2.00 ppbv			4	"	U
79-01-6	Trichloroethene	BRL	2.00 ppbv			4	"	U
142-82-5	n-Heptane	BRL	2.00 ppbv			4	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.00 ppbv			4	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	2.00 ppbv			4	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	2.00 ppbv			4	"	U
79-00-5	1,1,2-Trichloroethane	BRL	2.00 ppbv			4	"	U
108-88-3	Toluene	3.00	2.00 ppbv			4	"	
591-78-6	2-Hexanone (MBK)	BRL	2.00 ppbv			4	"	U

SMK
12/22/2006

Sample Identification
RES#8-I2-120506
SA55245-11

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 14:01

Received
08-Dec-06

Method Ref.
EPA TO-15

Prepared
09-Dec-06

Analyzed
10-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
124-48-1	Dibromochloromethane	BRL	2.00 ppbv			4	6120711	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.00 ppbv			4	"	U
127-18-4	Tetrachloroethene	BRL	2.00 ppbv			4	"	U
108-90-7	Chlorobenzene	BRL	2.00 ppbv			4	"	U
100-41-4	Ethylbenzene	BRL	2.00 ppbv			4	"	U
1330-20-7	m,p-Xylene	BRL	2.00 ppbv			4	"	U
75-25-2	Bromoform	BRL	2.00 ppbv			4	"	U
100-42-5	Styrene	BRL	2.00 ppbv			4	"	U
95-47-6	o-Xylene	BRL	2.00 ppbv			4	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.00 ppbv			4	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	2.00 ppbv			4	"	U
622-96-8	4-Ethyltoluene	BRL	2.00 ppbv			4	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	2.00 ppbv			4	"	U
541-73-1	1,3-Dichlorobenzene	BRL	2.00 ppbv			4	"	U
100-44-7	Benzyl chloride	BRL	2.00 ppbv			4	"	U
106-46-7	1,4-Dichlorobenzene	BRL	2.00 ppbv			4	"	U
95-50-1	1,2-Dichlorobenzene	BRL	2.00 ppbv			4	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	2.00 ppbv			4	"	U
87-68-3	Hexachlorobutadiene	BRL	2.00 ppbv			4	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	75-125 %				"	

Sample Identification
RES#8-SS-120506
SA55245-12

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 14:04

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
09-Dec-06

Analyzed
09-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

115-11-7	1-Propene, 2-methyl-	1.04	ppbv	5.25	90	1	6120711	TIC, J
106-97-8	Butane	2.05	ppbv	5.35	80	1	"	TIC, J
124-18-5	Decane	1.15	ppbv	22.04	94	1	"	TIC, J
	Decane, 2,2-dimethyl-	1.39	ppbv	22.79	78	1	"	TIC, J
062238-14-6	Decane, 2,3,8-trimethyl-	3.74	ppbv	23.22	64	1	"	TIC, J
13151-34-3	Decane, 3-methyl-	2.56	ppbv	24.17	72	1	"	TIC, J
3891-98-3	Dodecane, 2,6,10-trimethyl-	0.840	ppbv	23.59	72	1	"	TIC, J
75-37-6	Ethane, 1,1-difluoro-	0.690	ppbv	4.57	83	1	"	TIC, J
3522-94-9	Hexane, 2,2,5-trimethyl-	2.72	ppbv	23.70	72	1	"	TIC, J
138-86-3	Limonene	2.82	ppbv	22.88	94	1	"	TIC, J
107-83-5	Pentane, 2-methyl-	0.710	ppbv	8.72	86	1	"	TIC, J
	Tetradecane, 2,2-dimethyl-	0.810	ppbv	23.02	72	1	"	TIC, J
1120-21-4	Undecane	1.54	ppbv	24.50	76	1	"	TIC, J
017301-26-7	Undecane, 2,9-dimethyl-	2.73	ppbv	23.80	72	1	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.610	0.500 ppbv			1	"	
74-87-3	Chloromethane	BRL	0.500 ppbv			1	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	8.33	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.320	0.500 ppbv			1	"	J
64-17-5	Ethanol	3.14	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	1.07	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.930	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U

SMY
12/22/2006

Sample Identification
RES#8-SS-120506
 SA55245-12

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 06-Dec-06 14:04

Received
 08-Dec-06

Method Ref.
 EPA TO-15

Prepared
 09-Dec-06

Analyzed
 09-Dec-06

Analyst
 WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	6120711	U
71-43-2	Benzene	0.480	0.500 ppbv			1	"	J
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	BRL	0.500 ppbv			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	2.89	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	1.01	0.500 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	0.350	0.500 ppbv			1	"	J
1330-20-7	m,p-Xylene	1.23	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	0.450	0.500 ppbv			1	"	J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.750	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	105	75-125 %				"	

Sample Identification
RES#9-11-120506
SA55245-13

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 14:12

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
10-Dec-06

Analyzed
10-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
108-67-8	Benzene, 1,3,5-trimethyl-	0.740	ppbv	22.61	76	1	6120810	TIC, J
611-14-3	Benzene, 1-ethyl-2-methyl-	1.58	ppbv	20.92	95	1	"	TIC, J
106-97-8	Butane	2.90	ppbv	5.34	80	1	"	TIC, J
124-18-5	Decane	1.23	ppbv	22.04	95	1	"	TIC, J
5989-27-5	d-Limonene	2.80	ppbv	22.89	94	1	"	TIC, J
75-37-6	Ethane, 1,1-difluoro-	3.77	ppbv	4.58	90	1	"	TIC, J
75-28-5	Isobutane	2.77	ppbv	5.04	53	1	"	TIC, J
109-66-0	Pentane	1.13	ppbv	6.90	90	1	"	TIC, J
107-83-5	Pentane, 2-methyl-	0.640	ppbv	8.71	87	1	"	TIC, J
1120-21-4	Undecane	0.640	ppbv	24.50	80	1	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.550	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.460	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	6.18	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.330	0.500 ppbv			1	"	J
64-17-5	Ethanol	213	0.500 ppbv			1	"	J LA
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	0.350	0.500 ppbv			1	"	J
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	5.63	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.470	0.500 ppbv			1	"	J
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	0.530	0.500 ppbv			1	"	
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	0.620	0.500 ppbv			1	"	
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	0.310	0.500 ppbv			1	"	J

SMK
12/22/2006
Page 26 of 48

Sample Identification
RES#9-11-120506
SA55245-13

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 14:12

Received
08-Dec-06

Method Ref.
EPA TO-15

Prepared
10-Dec-06

Analyzed
10-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	6120810	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	0.300	0.500 ppbv			1	"	J
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	2.55	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	0.310	0.500 ppbv			1	"	J
1330-20-7	m,p-Xylene	0.990	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	0.360	0.500 ppbv			1	"	J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.680	0.500 ppbv			1	"	
622-96-8	4-Ethyltoluene	0.460	0.500 ppbv			1	"	J
95-63-6	1,2,4-Trimethylbenzene	0.960	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Sample Identification
RES#9-12-120506
SA55245-14

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 15:03

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
10-Dec-06

Analyzed
10-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
106-97-8	Butane	2.62	ppbv	5.35	72	2	6120810	TIC, J
5989-27-5	d-Limonene	7.14	ppbv	22.88	94	2	"	TIC, J
75-37-6	Ethane, 1,1-difluoro-	7.90	ppbv	4.58	90	2	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	1.00 ppbv			2	"	U
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL	1.00 ppbv			2	"	U
74-87-3	Chloromethane	BRL	1.00 ppbv			2	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	1.00 ppbv			2	"	U
75-01-4	Vinyl chloride	BRL	1.00 ppbv			2	"	U
106-99-0	1,3-Butadiene	BRL	1.00 ppbv			2	"	U
74-83-9	Bromomethane	BRL	1.00 ppbv			2	"	U
75-00-3	Chloroethane	BRL	1.00 ppbv			2	"	U
67-64-1	Acetone	8.32	1.00 ppbv			2	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.00 ppbv			2	"	U
64-17-5	Ethanol	630	1.00 ppbv			2	"	U
75-35-4	1,1-Dichloroethene	BRL	1.00 ppbv			2	"	U
75-09-2	Methylene chloride	BRL	1.00 ppbv			2	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	1.00 ppbv			2	"	U
75-15-0	Carbon disulfide	BRL	1.00 ppbv			2	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	1.00 ppbv			2	"	U
75-34-3	1,1-Dichloroethane	BRL	1.00 ppbv			2	"	U
1634-04-4	Methyl tert-butyl ether	BRL	1.00 ppbv			2	"	U
67-63-0	Isopropyl alcohol	9.28	1.00 ppbv			2	"	
78-93-3	2-Butanone (MEK)	BRL	1.00 ppbv			2	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	1.00 ppbv			2	"	U
110-54-3	Hexane	BRL	1.00 ppbv			2	"	U
141-78-6	Ethyl acetate	BRL	1.00 ppbv			2	"	U
67-66-3	Chloroform	2.78	1.00 ppbv			2	"	
109-99-9	Tetrahydrofuran	BRL	1.00 ppbv			2	"	U
107-06-2	1,2-Dichloroethane	BRL	1.00 ppbv			2	"	U
71-55-6	1,1,1-Trichloroethane	BRL	1.00 ppbv			2	"	U
71-43-2	Benzene	BRL	1.00 ppbv			2	"	U
56-23-5	Carbon tetrachloride	BRL	1.00 ppbv			2	"	U
110-82-7	Cyclohexane	0.620	1.00 ppbv			2	"	J
78-87-5	1,2-Dichloropropane	BRL	1.00 ppbv			2	"	U
75-27-4	Bromodichloromethane	BRL	1.00 ppbv			2	"	U
79-01-6	Trichloroethene	BRL	1.00 ppbv			2	"	U
142-82-5	n-Heptane	BRL	1.00 ppbv			2	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1.00 ppbv			2	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	1.00 ppbv			2	"	U

SMN
12/29/2006

Sample Identification
RES#9-12-120506
 SA55245-14

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 06-Dec-06 15:03

Received
 08-Dec-06

Method Ref.
 EPA TO-15

Prepared
 10-Dec-06

Analyzed
 10-Dec-06

Analyst
 WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
79-00-5	1,1,2-Trichloroethane	BRL	1.00 ppbv			2	6120810	U
108-88-3	Toluene	3.24	1.00 ppbv			2	"	
591-78-6	2-Hexanone (MBK)	BRL	1.00 ppbv			2	"	U
124-48-1	Dibromochloromethane	BRL	1.00 ppbv			2	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.00 ppbv			2	"	U
127-18-4	Tetrachloroethene	BRL	1.00 ppbv			2	"	U
108-90-7	Chlorobenzene	BRL	1.00 ppbv			2	"	U
100-41-4	Ethylbenzene	BRL	1.00 ppbv			2	"	U
1330-20-7	m,p-Xylene	BRL	1.00 ppbv			2	"	U
75-25-2	Bromoform	BRL	1.00 ppbv			2	"	U
100-42-5	Styrene	BRL	1.00 ppbv			2	"	U
95-47-6	o-Xylene	BRL	1.00 ppbv			2	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.00 ppbv			2	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	1.00 ppbv			2	"	U
622-96-8	4-Ethyltoluene	BRL	1.00 ppbv			2	"	U
95-63-6	1,2,4-Trimethylbenzene	0.700	1.00 ppbv			2	"	J
541-73-1	1,3-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
100-44-7	Benzyl chloride	BRL	1.00 ppbv			2	"	U
106-46-7	1,4-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
95-50-1	1,2-Dichlorobenzene	BRL	1.00 ppbv			2	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	1.00 ppbv			2	"	U
87-68-3	Hexachlorobutadiene	BRL	1.00 ppbv			2	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	75-125 %				"	

Sample Identification
RES#9-SS-120506
SA55245-15

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 16:40

Received
08-Dec-06

Method Ref.
Air method TICs

Prepared
09-Dec-06

Analyzed
09-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

	2,2,7,7-Tetramethyloctane	3.15	ppbv	22.79	78	1	6120711	TIC, J
124-18-5	Decane	1.60	ppbv	22.04	87	1	"	TIC, J
	Decane, 2,2,9-trimethyl-	1.60	ppbv	23.02	72	1	"	TIC, J
5989-27-5	d-Limonene	5.15	ppbv	22.89	94	1	"	TIC, J
3522-94-9	Hexane, 2,2,5-trimethyl-	5.99	ppbv	23.70	64	1	"	TIC, J
	Octane, 2,3,6,7-tetramethyl-	1.87	ppbv	24.63	64	1	"	TIC, J
000116-15-4	Propene, hexafluoro-	43.2	ppbv	4.44	49	1	"	TIC, J
017301-26-7	Undecane, 2,9-dimethyl-	5.68	ppbv	23.80	72	1	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.480	0.500 ppbv			1	"	J
74-87-3	Chloromethane	BRL	0.500 ppbv			1	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	11.5	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.860	0.500 ppbv			1	"	
64-17-5	Ethanol	11.4	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	2.75	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.610	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	0.790	0.500 ppbv			1	"	
71-43-2	Benzene	BRL	0.500 ppbv			1	"	U
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U

SMR
12/27/2004
Page 30 of 48

Sample Identification
RES#9-SS-120506
 SA55245-15

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 06-Dec-06 16:40

Received
 08-Dec-06

Method Ref.
 EPA TO-15

Prepared
 09-Dec-06

Analyzed
 09-Dec-06

Analyst
 WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	6120711	U
142-82-5	n-Heptane	BRL	0.500 ppbv			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	1.07	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	17.9	0.500 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	1.20	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	0.430	0.500 ppbv			1	"	J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.900	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	105	75-125 %				"	

Sample Identification
77AVE-OA-120506
SA55245-16

Client Project #
5555113
Method Ref.
EPA TO-15

Matrix
Air
Prepared
09-Dec-06

RESUBMITTAL
Collection Date: 06-Dec-06 14:09
By: SMR 12/23/06
Reviewed: 08-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.0900 ppbv			1	6120711	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.470 ✓	0.500 ppbv			1	"	J
74-87-3	Chloromethane	0.999 ✓	0.0900 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	2.77	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.626 ✓	0.0900 ppbv			1	"	
64-17-5	Ethanol	7.00	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.329 ✓ U	0.0900 ppbv	BL		1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.200 ✓	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	0.282 ✓	0.0900 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.455 ✓	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	BRL	0.0900 ppbv			1	"	U
141-78-6	Ethyl acetate	0.129 ✓	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.834 ✓	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.262 ✓	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.185 ✓	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0529 ✓	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.345 ✓	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0963 ✓	0.0900 ppbv			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U
108-88-3	Toluene	0.950	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	"	U

SMR
12/24/06

RESUBMITTAL

Sample Identification77AVE-OA-120506
SA55245-16Client Project #

5555113

Matrix

Air

Collection Date/Time SMR 12/23/06

06-Dec-06 14:09

08-Dec-06

Method Ref.

EPA TO-15

Prepared

09-Dec-06

Analyzed

09-Dec-06

Analyst

WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	6120711	U
127-18-4	Tetrachloroethene	0.227	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.240	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.849	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	0.188	0.0900 ppbv			1	"	
95-47-6	o-Xylene	0.298	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.158	0.0900 ppbv			1	"	
622-96-8	4-Ethyltoluene	0.115	0.0900 ppbv			1	"	
95-63-6	1,2,4-Trimethylbenzene	0.369	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	75-125 %				"	

Sample Identification
77AVE-OA-120506
SA55245-16

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 14:09

Received
08-Dec-06

Method Ref.
EPA TO-15

Prepared
09-Dec-06

Analyzed
09-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.0900 ppbv			1	6120711	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.470	0.0900 ppbv			1	"	
74-87-3	Chloromethane	0.999	0.0900 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	2.77	0.0900 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.626	0.0900 ppbv			1	"	
64-17-5	Ethanol	7.00	0.0900 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.329	0.0900 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.200	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	0.282	0.0900 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.455	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	BRL	0.0900 ppbv			1	"	U
141-78-6	Ethyl acetate	0.129	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.834	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.262	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.185	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0529	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.345	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0963	0.0900 ppbv			1	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U
108-88-3	Toluene	0.950	0.0900 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	"	U

Sample Identification
77AVE-OA-120506
SA55245-16

Client Project #
5555113

Matrix
Air

Collection Date/Time
06-Dec-06 14:09

Received
08-Dec-06

Method Ref.
EPA TO-15

Prepared
09-Dec-06

Analyzed
09-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	6120711	U
127-18-4	Tetrachloroethene	0.227	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.240	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.849	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	0.188	0.0900 ppbv			1	"	
95-47-6	o-Xylene	0.298	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.158	0.0900 ppbv			1	"	
622-96-8	4-Ethyltoluene	0.115	0.0900 ppbv			1	"	
95-63-6	1,2,4-Trimethylbenzene	0.369	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	75-125 %				"	

RESUBMITTAL

Sample Identification

77AVE-OA-120606

SA55245-17

Client Project #

5555113

Matrix

Air

Collection Date/Time

07-Dec-06 08:48

Received

08-Dec-06

Method Ref.

EPA TO-15

Prepared

09-Dec-06

Analyzed

09-Dec-06

Analyst

WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality AnalysesEPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.0900 ppbv			1	6120711	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.480	0.500 ppbv			1	"	J
74-87-3	Chloromethane	0.460	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	3.17	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.603	0.0900 ppbv			1	"	
64-17-5	Ethanol	9.72	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.159	0.0900 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.198	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	0.560	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.418	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	BRL	0.0900 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.0900 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.838	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.252	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.314	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0414	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.253	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U
108-88-3	Toluene	0.670	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	"	U

BL

SMR
12/24/2004

Sample Identification
77AVE-OA-120606
 SA55245-17

Client Project #
 5555113
Method Ref.
 EPA TO-15

Matrix
 Air
Prepared
 09-Dec-06

RESUBMITTAL
Collection Date/Time SMR 120606
 07-Dec-06 08:48
Analyzed
 09-Dec-06
Analyst
 WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

EPA TO-15

Prepared by method General Air Prep

106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	6120711	U
127-18-4	Tetrachloroethene	0.123 ✓	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.225 ✓	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.763 ✓	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	0.0949 ✓	0.0900 ppbv			1	"	
95-47-6	o-Xylene	0.273 ✓	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.0900 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.0900 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.348 ✓	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Sample Identification
77AVE-OA-120606
SA55245-17

Client Project #
5555113
Method Ref.
EPA TO-15

Matrix
Air
Prepared
09-Dec-06

Collection Date/Time
07-Dec-06 08:48
Analyzed
09-Dec-06

Received
08-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
EPA TO-15		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.0900 ppbv			1	6120711	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.480	0.0900 ppbv			1	"	
74-87-3	Chloromethane	0.460	0.0900 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	3.17	0.0900 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.603	0.0900 ppbv			1	"	
64-17-5	Ethanol	9.72	0.0900 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.159	0.0900 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.198	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	0.560	0.0900 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.418	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	BRL	0.0900 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.0900 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.838	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.252	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.314	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0414	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.253	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U
108-88-3	Toluene	0.670	0.0900 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	"	U

Sample Identification
77AVE-OA-120606
SA55245-17

Client Project #
5555113

Matrix
Air

Collection Date/Time
07-Dec-06 08:48

Received
08-Dec-06

Method Ref.
EPA TO-15

Prepared
09-Dec-06

Analyzed
09-Dec-06

Analyst
WB

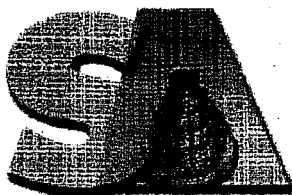
<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	6120711	U
127-18-4	Tetrachloroethene	0.123	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.225	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.763	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	0.0949	0.0900 ppbv			1	"	
95-47-6	o-Xylene	0.273	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.0900 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.0900 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.348	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Table 1 Samples For Data Validation Review
Atlas Park - Parcel B
Glendale, New York
Spectrum Sample Delivery Group 55328

SAMPLE I.D.	LABORATORY I.D.	DATE SAMPLED	MATRIX	ANALYSES PERFORMED	
				VOC	VOC
RES#10-11-120706	55328	1 12/8/2006	Air		X
RES#10-12-120706	55328	2 12/8/2006	Air		X
RES#10-SS-120706	55328	3 12/8/2006	Air		X
77AVE-OA2-120706	55328	4 12/8/2006	Air		X
RES#11-12-120706	55328	5 12/8/2006	Air		X
RES#11-11-120706	55328	6 12/8/2006	Air		X
RES#11-SS-120706	55328	7 12/8/2006	Air		X
80ST-OA3-120706	55328	8 12/8/2006	Air		X
RES#12-12-120606	55328	9 12/6/2006	Air		X
RES#12-11-120606	55328	10 12/7/2006	Air		X
RES#12-SS-120606	55328	11 12/7/2006	Air		X

VOC Volatile Organic Compounds

Report Date:
22-Dec-06 15:37



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: Atlas Park - Queens, NY
Project #: 5555113

RESUBMITTAL
RCVD BY SMR 12/23/06
☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA55328-01	RES#10-I1-120706	Air	08-Dec-06 08:19	09-Dec-06 10:50
SA55328-02	RES#10-I2-120706	Air	08-Dec-06 09:02	09-Dec-06 10:50
SA55328-03	RES#10-SS-120706	Air	08-Dec-06 08:20	09-Dec-06 10:50
SA55328-04	77AVE-OA2-120706	Air	08-Dec-06 08:17	09-Dec-06 10:50
SA55328-05	RES#11-I2-120706	Air	08-Dec-06 11:15	09-Dec-06 10:50
SA55328-06	RES#11-I1-120706	Air	08-Dec-06 10:33	09-Dec-06 10:50
SA55328-07	RES#11-SS-120706	Air	08-Dec-06 10:31	09-Dec-06 10:50
SA55328-08	80ST-OA3-120706	Air	08-Dec-06 11:49	09-Dec-06 10:50
SA55328-09	RES#12-I2-120606	Air	06-Dec-06 11:34	09-Dec-06 10:50
SA55328-10	RES#12-I1-120606	Air	07-Dec-06 11:36	09-Dec-06 10:50
SA55328-11	RES#12-SS-120606	Air	07-Dec-06 11:59	09-Dec-06 10:50

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Please note that this report contains 36 pages of analytical data plus Chain of Custody document(s).

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Connecticut # PH-0777

Florida # E87600/E87936

Maine # MA138

New Hampshire # 2538/2972

New Jersey # MA011/MA012

New York # 11393/11840

Rhode Island # 98

USDA # S-51435

Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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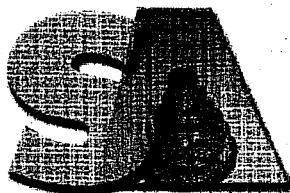
Headquarters: 11 Almgren Drive & 830 Silver Street • Agawam, MA 01001 • 1-800-789-9115 • 413-789-9018 • Fax 413-789-4076

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Page 1 of 36

Report Date:
20-Dec-06 17:00



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: Atlas Park - Queens, NY
Project #: 5555113

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA55328-01	RES#10-I1-120706	Air	08-Dec-06 08:19	09-Dec-06 10:50
SA55328-02	RES#10-I2-120706	Air	08-Dec-06 09:02	09-Dec-06 10:50
SA55328-03	RES#10-SS-120706	Air	08-Dec-06 08:20	09-Dec-06 10:50
SA55328-04	77AVE-OA2-120706	Air	08-Dec-06 08:17	09-Dec-06 10:50
SA55328-05	RES#11-I2-120706	Air	08-Dec-06 11:15	09-Dec-06 10:50
SA55328-06	RES#11-I1-120706	Air	08-Dec-06 10:33	09-Dec-06 10:50
SA55328-07	RES#11-SS-120706	Air	08-Dec-06 10:31	09-Dec-06 10:50
SA55328-08	80ST-OA3-120706	Air	08-Dec-06 11:49	09-Dec-06 10:50
SA55328-09	RES#12-I2-120606	Air	06-Dec-06 11:34	09-Dec-06 10:50
SA55328-10	RES#12-I1-120606	Air	07-Dec-06 11:36	09-Dec-06 10:50
SA55328-11	RES#12-SS-120606	Air	07-Dec-06 11:59	09-Dec-06 10:50

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.

All applicable NELAC requirements have been met.

Please note that this report contains 36 pages of analytical data plus Chain of Custody document(s).

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Massachusetts Certification # M-MA138/MA1110

Connecticut # PH-0777

Florida # E87600/E87936

Maine # MA138

New Hampshire # 2538/2972

New Jersey # MA011/MA012

New York # 11393/11840

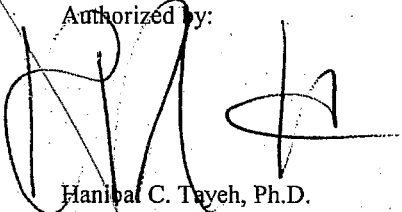
Rhode Island # 98

USDA # S-51435

Vermont # VT-11393



Authorized by:


Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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FL Division: 8180 Woodland Center Boulevard • Tampa, FL 33614 • 1-888-497-5270 • 813-888-9507 • FAX 800-480-6435 Page 1 of 36

www.spectrum-analytical.com

Sample Identification

RES#10-11-120706

SA55328-01

Client Project #

5555113

Matrix

Air

Collection Date/Time

08-Dec-06 08:19

RESUBMITTAL

SMR 120706

09-Dec-06

Method Ref.
Air method TICsPrepared
11-Dec-06Analyzed
11-Dec-06Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
---------	------------	--------	------------	----	---	----------	-------	------

Air Quality AnalysesTentatively Identified Compounds in Air

Prepared by method General Air Prep

1R-alpha.-Pinene	0.800	ppbv	20.53	97	1	6120906	TIC, J
106-97-8 Butane	2.48	ppbv	5.34	80	1	"	TIC, J
5989-27-5 d-Limonene	2.88	ppbv	22.89	94	1	"	TIC, J
112-40-3 Dodecane	3.32	ppbv	26.77	96	1	"	TIC, J
Dodecane, 6-methyl-	0.900	ppbv	27.12	83	1	"	TIC, J
75-37-6 Ethane, 1,1-difluoro-	1.38	ppbv	4.58	91	1	"	TIC, J
Octanal	0.720	ppbv	21.65	83	1	"	TIC, J
1120-21-4 Undecane	0.800	ppbv	24.50	95	1	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1 Propene	BRL	0.500 ppbv			1	"	U
75-71-8 Dichlorodifluoromethane (Freon12)	0.500	0.500 ppbv			1	"	
74-87-3 Chloromethane	0.640	0.500 ppbv			1	"	
76-14-2 1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4 Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0 1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9 Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3 Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1 Acetone	8.00	0.500 ppbv			1	"	
75-69-4 Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5 Ethanol	503	0.500 ppbv			1	"	E J L K
75-35-4 1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2 Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1 1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0 Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5 trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3 1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4 Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0 Isopropyl alcohol	3.15	0.500 ppbv			1	"	
78-93-3 2-Butanone (MEK)	0.650	0.500 ppbv			1	"	
156-59-2 cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3 Hexane	BRL	0.500 ppbv			1	"	U
141-78-6 Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3 Chloroform	0.740	0.500 ppbv			1	"	
109-99-9 Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2 1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6 1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2 Benzene	0.380	0.500 ppbv			1	"	J
56-23-5 Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7 Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5 1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4 Bromodichloromethane	BRL	0.500 ppbv			1	"	U

Sample Identification
RES#10-11-120706
 SA55328-01

Client Project #
 5555113

Matrix
 Air

RESUBMITTAL
Collection Date/Time SMR 120706
 08-Dec-06 08:19 09-Dec-06

Method Ref.
 EPA TO-15

Prepared
 11-Dec-06

Analyzed
 11-Dec-06

Analyst
 WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u> Prepared by method General Air Prep								
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	6120906	U
142-82-5	n-Heptane	BRL	0.500 ppbv			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	1.59	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	0.420	0.500 ppbv			1	"	J
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

SMR
 120706

Sample Identification
RES#10-11-120706
SA55328-01

Client Project #
5555113

Matrix
Air

Collection Date/Time
08-Dec-06 08:19

Received
09-Dec-06

Method Ref.
Air method TICs

Prepared
11-Dec-06

Analyzed
11-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
	1R-.alpha.-Pinene	0.800	ppbv	20.53	97	1	6120906	TIC, J
106-97-8	Butane	2.48	ppbv	5.34	80	1	"	TIC, J
5989-27-5	d-Limonene	2.88	ppbv	22.89	94	1	"	TIC, J
112-40-3	Dodecane	3.32	ppbv	26.77	96	1	"	TIC, J
	Dodecane, 6-methyl-	0.900	ppbv	27.12	83	1	"	TIC, J
75-37-6	Ethane, 1,1-difluoro-	1.38	ppbv	4.58	91	1	"	TIC, J
	Octanal	0.720	ppbv	21.65	83	1	"	TIC, J
1120-21-4	Undecane	0.800	ppbv	24.50	95	1	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.500	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.640	0.500 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	8.00	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5	Ethanol	503	0.500 ppbv			1	"	IS LR
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	3.15	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.650	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	0.740	0.500 ppbv			1	"	
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	0.380	0.500 ppbv			1	"	J
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U

Sample Identification
RES#10-11-120706
SA55328-01

Client Project #
5555113

Matrix
Air

Collection Date/Time
08-Dec-06 08:19

Received
09-Dec-06

Method Ref.
EPA TO-15

Prepared
11-Dec-06

Analyzed
11-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	6120906	U
142-82-5	n-Heptane	BRL	0.500 ppbv			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	1.59	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	BRL	0.500 ppbv			1	"	U
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Sample Identification
RES#10-12-120706
SA55328-02

Client Project #
5555113

Matrix
Air

Collection Date/Time
08-Dec-06 09:02

Received
09-Dec-06

Method Ref.
Air method TICs

Prepared
12-Dec-06

Analyzed
12-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

000115-10-6	Dimethyl ether	2.92	ppbv	4.90	74	4	6120944	TIC, J
112-40-3	Dodecane	4.36	ppbv	26.77	96	4	"	TIC, J
75-28-5	Isobutane	5.72	ppbv	5.04	59	4	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	2.00 ppbv			4	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.00 ppbv			4	"	U
74-87-3	Chloromethane	BRL	2.00 ppbv			4	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.00 ppbv			4	"	U
75-01-4	Vinyl chloride	BRL	2.00 ppbv			4	"	U
106-99-0	1,3-Butadiene	BRL	2.00 ppbv			4	"	U
74-83-9	Bromomethane	BRL	2.00 ppbv			4	"	U
75-00-3	Chloroethane	BRL	2.00 ppbv			4	"	U
67-64-1	Acetone	7.56	2.00 ppbv			4	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.00 ppbv			4	"	U
64-17-5	Ethanol	725	2.00 ppbv			4	"	U J LR
75-35-4	1,1-Dichloroethene	BRL	2.00 ppbv			4	"	U
75-09-2	Methylene chloride	BRL	2.00 ppbv			4	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.00 ppbv			4	"	U
75-15-0	Carbon disulfide	BRL	2.00 ppbv			4	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	2.00 ppbv			4	"	U
75-34-3	1,1-Dichloroethane	BRL	2.00 ppbv			4	"	U
1634-04-4	Methyl tert-butyl ether	BRL	2.00 ppbv			4	"	U
67-63-0	Isopropyl alcohol	3.92	2.00 ppbv			4	"	
78-93-3	2-Butanone (MEK)	BRL	2.00 ppbv			4	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	2.00 ppbv			4	"	U
110-54-3	Hexane	BRL	2.00 ppbv			4	"	U
141-78-6	Ethyl acetate	3.80	2.00 ppbv			4	"	
67-66-3	Chloroform	BRL	2.00 ppbv			4	"	U
109-99-9	Tetrahydrofuran	BRL	2.00 ppbv			4	"	U
107-06-2	1,2-Dichloroethane	BRL	2.00 ppbv			4	"	U
71-55-6	1,1,1-Trichloroethane	BRL	2.00 ppbv			4	"	U
71-43-2	Benzene	BRL	2.00 ppbv			4	"	U
56-23-5	Carbon tetrachloride	BRL	2.00 ppbv			4	"	U
110-82-7	Cyclohexane	BRL	2.00 ppbv			4	"	U
78-87-5	1,2-Dichloropropane	BRL	2.00 ppbv			4	"	U
75-27-4	Bromodichloromethane	BRL	2.00 ppbv			4	"	U
79-01-6	Trichloroethene	BRL	2.00 ppbv			4	"	U
142-82-5	n-Heptane	BRL	2.00 ppbv			4	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.00 ppbv			4	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	2.00 ppbv			4	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	2.00 ppbv			4	"	U

SMR
12/21/2006
Page 4 of 36

Sample Identification
RES#10-I2-120706
 SA55328-02

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 08-Dec-06 09:02

Received
 09-Dec-06

Method Ref.
 EPA TO-15

Prepared
 12-Dec-06

Analyzed
 12-Dec-06

Analyst
 WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
79-00-5	1,1,2-Trichloroethane	BRL	2.00 ppbv			4	6120944	U
108-88-3	Toluene	1.84	2.00 ppbv			4	"	J
591-78-6	2-Hexanone (MBK)	BRL	2.00 ppbv			4	"	U
124-48-1	Dibromochloromethane	BRL	2.00 ppbv			4	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.00 ppbv			4	"	U
127-18-4	Tetrachloroethene	BRL	2.00 ppbv			4	"	U
108-90-7	Chlorobenzene	BRL	2.00 ppbv			4	"	U
100-41-4	Ethylbenzene	BRL	2.00 ppbv			4	"	U
1330-20-7	m,p-Xylene	BRL	2.00 ppbv			4	"	U
75-25-2	Bromoform	BRL	2.00 ppbv			4	"	U
100-42-5	Styrene	BRL	2.00 ppbv			4	"	U
95-47-6	o-Xylene	BRL	2.00 ppbv			4	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.00 ppbv			4	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	2.00 ppbv			4	"	U
622-96-8	4-Ethyltoluene	BRL	2.00 ppbv			4	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	2.00 ppbv			4	"	U
541-73-1	1,3-Dichlorobenzene	BRL	2.00 ppbv			4	"	U
100-44-7	Benzyl chloride	BRL	2.00 ppbv			4	"	U
106-46-7	1,4-Dichlorobenzene	BRL	2.00 ppbv			4	"	U
95-50-1	1,2-Dichlorobenzene	BRL	2.00 ppbv			4	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	2.00 ppbv			4	"	U
87-68-3	Hexachlorobutadiene	BRL	2.00 ppbv			4	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	75-125 %				"	

Sample Identification

RES#10-SS-120706

SA55328-03

Client Project #

5555113

Matrix

Air

Collection Date/Time

08-Dec-06 08:20

Received

09-Dec-06

Method Ref.
Air method TICsPrepared
12-Dec-06Analyzed
12-Dec-06Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
98-86-2	Acetophenone	3.80	ppbv	23.29	91	4	6120944	TIC, J
527-53-7	Benzene, 1,2,3,5-tetramethyl-	3.04	ppbv	23.41	90	4	"	TIC, J
108-67-8	Benzene, 1,3,5-trimethyl-	10.1	ppbv	22.61	87	4	"	TIC, J
611-14-3	Benzene, 1-ethyl-2-methyl-	4.04	ppbv	20.92	95	4	"	TIC, J
	Benzene, 1-ethyl-3-methyl-	2.68	ppbv	21.45	91	4	"	TIC, J
000100-66-3	Benzene, methoxy-	2.92	ppbv	19.44	98	4	"	TIC, J
124-18-5	Decane	2.72	ppbv	22.04	95	4	"	TIC, J
	Decane, 2,2-dimethyl-	3.24	ppbv	22.79	78	4	"	TIC, J
3891-98-3	Dodecane, 2,6,10-trimethyl-	8.08	ppbv	23.22	83	4	"	TIC, J
3522-94-9	Hexane, 2,2,5-trimethyl-	6.28	ppbv	23.70	64	4	"	TIC, J
	Indane	7.00	ppbv	22.98	94	4	"	TIC, J
138-86-3	Limonene	6.80	ppbv	22.89	94	4	"	TIC, J
91-20-3	Naphthalene	15.1	ppbv	26.61	91	4	"	TIC, J
1120-21-4	Undecane	4.44	ppbv	24.50	81	4	"	TIC, J

EPA TO-15

		Prepared by method General Air Prep						
115-07-1	Propene	BRL	2.00 ppbv			4	"	R01 U
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.00 ppbv			4	"	U
74-87-3	Chloromethane	BRL	2.00 ppbv			4	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.00 ppbv			4	"	U
75-01-4	Vinyl chloride	BRL	2.00 ppbv			4	"	U
106-99-0	1,3-Butadiene	BRL	2.00 ppbv			4	"	U
74-83-9	Bromomethane	BRL	2.00 ppbv			4	"	U
75-00-3	Chloroethane	BRL	2.00 ppbv			4	"	U
67-64-1	Acetone	29.4	2.00 ppbv			4	"	
75-69-4	Trichlorofluoromethane (Freon 11)	4.52	2.00 ppbv			4	"	
64-17-5	Ethanol	108	2.00 ppbv			4	"	
75-35-4	1,1-Dichloroethene	BRL	2.00 ppbv			4	"	U
75-09-2	Methylene chloride	BRL	2.00 ppbv			4	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.00 ppbv			4	"	U
75-15-0	Carbon disulfide	BRL	2.00 ppbv			4	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	2.00 ppbv			4	"	U
75-34-3	1,1-Dichloroethane	BRL	2.00 ppbv			4	"	U
1634-04-4	Methyl tert-butyl ether	BRL	2.00 ppbv			4	"	U
67-63-0	Isopropyl alcohol	BRL	2.00 ppbv			4	"	U
78-93-3	2-Butanone (MEK)	2.36	2.00 ppbv			4	"	
156-59-2	cis-1,2-Dichloroethene	BRL	2.00 ppbv			4	"	U
110-54-3	Hexane	BRL	2.00 ppbv			4	"	U
141-78-6	Ethyl acetate	BRL	2.00 ppbv			4	"	U
67-66-3	Chloroform	BRL	2.00 ppbv			4	"	U
109-99-9	Tetrahydrofuran	BRL	2.00 ppbv			4	"	U
107-06-2	1,2-Dichloroethane	BRL	2.00 ppbv			4	"	U

Sample Identification
RES#10-SS-120706
SA55328-03

Client Project #
5555113

Matrix
Air

Collection Date/Time
08-Dec-06 08:20

Received
09-Dec-06

Method Ref.
EPA TO-15

Prepared
12-Dec-06

Analyzed
12-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep					R01	
71-55-6	1,1,1-Trichloroethane	2.52	2.00 ppbv		4	6120944		
71-43-2	Benzene	BRL	2.00 ppbv		4	"		U
56-23-5	Carbon tetrachloride	BRL	2.00 ppbv		4	"		U
110-82-7	Cyclohexane	BRL	2.00 ppbv		4	"		U
78-87-5	1,2-Dichloropropane	BRL	2.00 ppbv		4	"		U
75-27-4	Bromodichloromethane	BRL	2.00 ppbv		4	"		U
79-01-6	Trichloroethene	BRL	2.00 ppbv		4	"		U
142-82-5	n-Heptane	BRL	2.00 ppbv		4	"		U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.00 ppbv		4	"		U
10061-01-5	cis-1,3-Dichloropropene	BRL	2.00 ppbv		4	"		U
10061-02-6	trans-1,3-Dichloropropene	BRL	2.00 ppbv		4	"		U
79-00-5	1,1,2-Trichloroethane	BRL	2.00 ppbv		4	"		U
108-88-3	Toluene	1.56	2.00 ppbv		4	"		J
591-78-6	2-Hexanone (MBK)	BRL	2.00 ppbv		4	"		U
124-48-1	Dibromochloromethane	BRL	2.00 ppbv		4	"		U
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.00 ppbv		4	"		U
127-18-4	Tetrachloroethene	2.04	2.00 ppbv		4	"		
108-90-7	Chlorobenzene	BRL	2.00 ppbv		4	"		U
100-41-4	Ethylbenzene	BRL	2.00 ppbv		4	"		U
1330-20-7	m,p-Xylene	2.24	2.00 ppbv		4	"		
75-25-2	Bromoform	BRL	2.00 ppbv		4	"		U
100-42-5	Styrene	BRL	2.00 ppbv		4	"		U
95-47-6	o-Xylene	2.72	2.00 ppbv		4	"		
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.00 ppbv		4	"		U
108-67-8	1,3,5-Trimethylbenzene	1.36	2.00 ppbv		4	"		J
622-96-8	4-Ethyltoluene	9.20	2.00 ppbv		4	"		
95-63-6	1,2,4-Trimethylbenzene	21.5	2.00 ppbv		4	"		
541-73-1	1,3-Dichlorobenzene	BRL	2.00 ppbv		4	"		U
100-44-7	Benzyl chloride	BRL	2.00 ppbv		4	"		U
106-46-7	1,4-Dichlorobenzene	BRL	2.00 ppbv		4	"		U
95-50-1	1,2-Dichlorobenzene	BRL	2.00 ppbv		4	"		U
120-82-1	1,2,4-Trichlorobenzene	BRL	2.00 ppbv		4	"		U
87-68-3	Hexachlorobutadiene	BRL	2.00 ppbv		4	"		U
460-00-4	Surrogate: 4-Bromofluorobenzene	108	75-125 %			"		

Sample Identification
77AVE-OA2-120706
SA55328-04

Client Project #
5555113

Matrix
Air

RESUBMITTAL
Collection Date/Time: 08-Dec-06 08:17
SMR 120706
Received 09-Dec-06

Method Ref.
Air method TICs

Prepared
11-Dec-06

Analyzed
11-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
Tentatively Identified Compounds		None found	ppbv		1		6120906	U
<u>EPA TO-15</u> Prepared by method General Air Prep								
115-07-1	Propene	BRL	0.0900 ppbv		1		"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.520	0.500 ppbv		1		"	
74-87-3	Chloromethane	0.990	0.0900 ppbv		1		"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv		1		"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv		1		"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv		1		"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv		1		"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv		1		"	U
67-64-1	Acetone	3.72	0.500 ppbv		1		"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.604	0.0900 ppbv		1		"	
64-17-5	Ethanol	7.23	0.500 ppbv		1		"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv		1		"	U
75-09-2	Methylene chloride	0.332	0.0900 ppbv	U	1		"	BL
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.192	0.0900 ppbv		1		"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv		1		"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv		1		"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv		1		"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv		1		"	U
67-63-0	Isopropyl alcohol	0.640	0.500 ppbv		1		"	
78-93-3	2-Butanone (MEK)	0.655	0.0900 ppbv		1		"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv		1		"	U
110-54-3	Hexane	BRL	0.0900 ppbv		1		"	U
141-78-6	Ethyl acetate	0.138	0.0900 ppbv		1		"	
67-66-3	Chloroform	BRL	0.0900 ppbv		1		"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv		1		"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv		1		"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv		1		"	U
71-43-2	Benzene	0.612	0.0900 ppbv		1		"	
56-23-5	Carbon tetrachloride	0.250	0.0280 ppbv		1		"	
110-82-7	Cyclohexane	0.163	0.0900 ppbv		1		"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv		1		"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv		1		"	U
79-01-6	Trichloroethene	0.0331	0.0280 ppbv		1		"	
142-82-5	n-Heptane	0.190	0.0900 ppbv		1		"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv		1		"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv		1		"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv		1		"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv		1		"	U
108-88-3	Toluene	0.590	0.500 ppbv		1		"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv		1		"	U

SMR
120706

Sample Identification
77AVE-OA2-120706
SA55328-04

Client Project #
5555113

Matrix
Air

RESUBMITTAL
Collection Date Time SMR 12 Received
08-Dec-06 08:17 09-Dec-06

Method Ref.
EPA TO-15

Prepared
11-Dec-06

Analyzed
11-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u> Prepared by method General Air Prep								
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	6120906	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.113	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.186	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.635	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	0.297	0.0900 ppbv			1	"	
95-47-6	o-Xylene	0.222	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.112	0.0900 ppbv			1	"	
622-96-8	4-Ethyltoluene	BRL	0.0900 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.249	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	0.169	0.0900 ppbv			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	107	75-125 %				"	

Sample Identification
77AVE-OA2-120706
SA55328-04

Client Project #
5555113

Matrix
Air

Collection Date/Time
08-Dec-06 08:17

Received
09-Dec-06

Method Ref.
Air method TICs

Prepared
11-Dec-06

Analyzed
11-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
	Tentatively Identified Compounds	None found	ppbv			1	6120906	U
<u>EPA TO-15</u>								
		Prepared by method	General Air Prep					
115-07-1	Propene	BRL	0.0900 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.520	0.0900 ppbv			1	"	
74-87-3	Chloromethane	0.990	0.0900 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	3.72	0.0900 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.604	0.0900 ppbv			1	"	
64-17-5	Ethanol	7.23	0.0900 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.332	0.0900 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.192	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	0.640	0.0900 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.655	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	BRL	0.0900 ppbv			1	"	U
141-78-6	Ethyl acetate	0.138	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.612	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.250	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.163	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0331	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.190	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U
108-88-3	Toluene	0.590	0.0900 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U

Sample Identification
77AVE-OA2-120706
SA55328-04

Client Project #
5555113

Matrix
Air

Collection Date/Time
08-Dec-06 08:17

Received
09-Dec-06

Method Ref.
EPA TO-15

Prepared
11-Dec-06

Analyzed
11-Dec-06

Analyst
WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	6120906	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.113	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.186	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.635	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	0.297	0.0900 ppbv			1	"	
95-47-6	o-Xylene	0.222	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.112	0.0900 ppbv			1	"	
622-96-8	4-Ethyltoluene	BRL	0.0900 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.249	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	0.169	0.0900 ppbv			1	"	
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	107	75-125 %				"	

Sample Identification
RES#11-I2-120706
SA55328-05

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
11-Dec-06

Collection Date/Time
08-Dec-06 11:15
Analyzed
12-Dec-06

Received
09-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
106-97-8	Butane	1.70	ppbv	5.35	80	1	6120906	TIC, J
	Cyclohexene, 1-methyl-4-(1-...	1.17	ppbv	24.31	98	1	"	TIC, J
75-28-5	Isobutane	2.37	ppbv	5.04	59	1	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.460	0.500 ppbv			1	"	J
74-87-3	Chloromethane	0.470	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	3.57	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5	Ethanol	60.0	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	5.21	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	BRL	0.500 ppbv			1	"	U
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	BRL	0.500 ppbv			1	"	U
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	"	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	BRL	0.500 ppbv			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U

SMK
12/21/2004
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Sample Identification
RES#11-12-120706
SA55328-05

Client Project #
5555113

Matrix
Air

Collection Date/Time
08-Dec-06 11:15

Received
09-Dec-06

Method Ref.
EPA TO-15

Prepared
11-Dec-06

Analyzed
12-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	6120906	U
108-88-3	Toluene	0.900	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	BRL	0.500 ppbv			1	"	U
1330-20-7	m,p-Xylene	BRL	0.500 ppbv			1	"	U
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	BRL	0.500 ppbv			1	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	102	75-125 %				"	

Sample Identification

RES#11-11-120706

SA55328-06

Client Project #

5555113

Matrix

Air

Collection Date/Time

08-Dec-06 10:33

RESUBMITTAL

RES#11-11-120706

09-Dec-06

Method Ref.

Air method TICs

Prepared

11-Dec-06

Analyzed

11-Dec-06

Analyst

WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
106-97-8	Butane	1.47	ppbv	5.35	72	1	6120906	TIC, J
75-28-5	Isobutane	1.06	ppbv	5.04	50	1	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.0900 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.510	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.950	0.500 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	2.23	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.770	0.0900 ppbv			1	"	
64-17-5	Ethanol	10.5	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.255	0.0900 ppbv			1	"	BL
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.203	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	2.52	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.382	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	BRL	0.0900 ppbv			1	"	U
141-78-6	Ethyl acetate	0.110	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.607	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.262	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.241	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0391	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.249	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U

SMR
12/24/2009

Sample Identification

RES#11-II-120706

SA55328-06

Client Project #

5555113

Matrix

Air

Collection Date/Time

08-Dec-06 10:33

RESUBMITTAL

SMR 120706

Received
09-Dec-06Method Ref.

EPA TO-15

Prepared

11-Dec-06

Analyzed

11-Dec-06

Analyst

WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
108-88-3	Toluene	0.896	0.0900 ppbv			1	6120906	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.168	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.146	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.443	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	0.125	0.0900 ppbv			1	"	
95-47-6	o-Xylene	0.163	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.108	0.0900 ppbv			1	"	
622-96-8	4-Ethyltoluene	BRL	0.0900 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.237	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	107	75-125 %				"	

Sample Identification
RES#11-11-120706
SA55328-06

Client Project #
5555113

Matrix
Air

Collection Date/Time
08-Dec-06 10:33

Received
09-Dec-06

Method Ref.
Air method TICs

Prepared
11-Dec-06

Analyzed
11-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
106-97-8	Butane	1.47	ppbv	5.35	72	1	6120906	TIC, J
75-28-5	Isobutane	1.06	ppbv	5.04	50	1	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.0900 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.510	0.0900 ppbv			1	"	
74-87-3	Chloromethane	0.950	0.0900 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	2.23	0.0900 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.770	0.0900 ppbv			1	"	
64-17-5	Ethanol	10.5	0.0900 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.255	0.0900 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.203	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	2.52	0.0900 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.382	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	BRL	0.0900 ppbv			1	"	U
141-78-6	Ethyl acetate	0.110	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.0900 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.607	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.262	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.241	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0391	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.249	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	"	U

Sample Identification
RES#11-11-120706
SA55328-06

Client Project #
5555113

Method Ref.
EPA TO-15

Matrix
Air

Prepared
11-Dec-06

Collection Date/Time
08-Dec-06 10:33

Analyzed
11-Dec-06

Received
09-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
108-88-3	Toluene	0.896	0.0900 ppbv			1	6120906	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.168	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.146	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	0.443	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	0.125	0.0900 ppbv			1	"	
95-47-6	o-Xylene	0.163	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.108	0.0900 ppbv			1	"	
622-96-8	4-Ethyltoluene	BRL	0.0900 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.237	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	107	75-125 %				"	

Sample Identification

RES#11-SS-120706

SA55328-07

Client Project

5555113

Matrix

Air

Collection Date/Time

08-Dec-06 10:31

Received

09-Dec-06

Method Ref.
Air method TICsPrepared
11-Dec-06Analyzed
12-Dec-06Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
056292-65-0	Decane, 3,7-dimethyl-	59.5	ppbv	24.18	72	1	6120906	TIC, J
	Dodecane, 2,2,11,11-tetramet...	59.1	ppbv	22.80	78	1	"	TIC, J
	Dodecane, 2,5-dimethyl-	170	ppbv	23.23	72	1	"	TIC, J
	Dodecane, 3-methyl-	82.7	ppbv	23.81	72	1	"	TIC, J
	Ethane, 1-chloro-1,1-difluoro-	74.9	ppbv	4.89	43	1	"	TIC, J
	Heptane, 2,2,3,5-tetramethyl-	8.79	ppbv	21.56	74	1	"	TIC, J
	Heptane, 2,2,4,6,6-pentamet...	18.2	ppbv	22.62	83	1	"	TIC, J
	Heptane, 5-ethyl-2,2,3-trim...	101	ppbv	23.71	78	1	"	TIC, J
	Undecane, 3,9-dimethyl-	24.9	ppbv	23.60	72	1	"	TIC, J
	Undecane, 3-methyl-	26.6	ppbv	21.19	78	1	"	TIC, J
	Undecane, 4-methyl-	17.9	ppbv	24.50	83	1	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.760	0.500 ppbv			1	"	
74-87-3	Chloromethane	BRL	0.500 ppbv			1	"	U
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	15.8	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.390	0.500 ppbv			1	"	J
64-17-5	Ethanol	10.1	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	19.1	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	1.31	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	BRL	0.500 ppbv			1	"	U
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U

SMK
12/22/2006
Page 14 of 36

Sample Identification
RES#11-SS-120706
 SA55328-07

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 08-Dec-06 10:31

Received
 09-Dec-06

Method Ref
 EPA TO-15

Prepared
 11-Dec-06

Analyzed
 12-Dec-06

Analyst
 WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
110-82-7	Cyclohexane	BRL	0.500 ppbv			1	6120906	U
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	0.300	0.500 ppbv			1	"	J
142-82-5	n-Heptane	BRL	0.500 ppbv			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	2.15	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.340	0.500 ppbv			1	"	J
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	0.450	0.500 ppbv			1	"	J
1330-20-7	m,p-Xylene	1.60	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	0.550	0.500 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.710	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	109	75-125 %				"	

Sample Identification
80ST-OA3-120706
SA55328-08

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
11-Dec-06

RESUBMITTAL
RGVD BY SMR 12/23/06
Collection Date/Time
08-Dec-06 11:49
Received
09-Dec-06
Analyzed
11-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
106-97-8	Butane	0.720	ppbv	5.35	72	1	6120906	TIC, J
75-28-5	Isobutane	0.820	ppbv	5.04	42	1	"	TIC, J
629-50-5	Tridecane	0.920	ppbv	23.22	59	1	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.0900 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.520	0.500 ppbv			1	"	
74-87-3	Chloromethane	0.480	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	4.02	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.636	0.0900 ppbv			1	"	
64-17-5	Ethanol	19.4	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.550	0.0900 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.202	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	9.96	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.562	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	BRL	0.0900 ppbv			1	"	U
141-78-6	Ethyl acetate	0.139	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	0.139	0.0900 ppbv			1	"	
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.370	0.500 ppbv			1	"	J
56-23-5	Carbon tetrachloride	0.258	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.269	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0581	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.363	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U

SMR
12/24/06
Page 16 of 36

Sample Identification
80ST-OA3-120706
 SA55328-08

Client Project #
 5555113

Matrix
 Air

Collection Date/Time
 08-Dec-06 11:49

RESUBMITTAL
 RMD BY SMR 12/23/06
Received
 09-Dec-06

Method Ref.
 EPA TO-15

Prepared
 11-Dec-06

Analyzed
 11-Dec-06

Analyst
 WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>								
Prepared by method General Air Prep								
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	6120906	U
108-88-3	Toluene	0.910	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.169	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.285	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	1.03	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	BRL	0.0900 ppbv			1	"	U
95-47-6	o-Xylene	0.380	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.179	0.0900 ppbv			1	"	
622-96-8	4-Ethyltoluene	0.144	0.0900 ppbv			1	"	
95-63-6	1,2,4-Trimethylbenzene	0.493	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	107	75-125 %				"	

Sample Identification
80ST-OA3-120706
SA55328-08

Client Project #
5555113

Matrix
Air

Collection Date/Time
08-Dec-06 11:49

Received
09-Dec-06

Method Ref.
Air method TICs

Prepared
11-Dec-06

Analyzed
11-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
106-97-8	Butane	0.720	ppbv	5.35	72	1	6120906	TIC, J
75-28-5	Isobutane	0.820	ppbv	5.04	42	1	"	TIC, J
629-50-5	Tridecane	0.920	ppbv	23.22	59	1	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.0900 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon 12)	0.520	0.0900 ppbv			1	"	
74-87-3	Chloromethane	0.480	0.0900 ppbv			1	"	
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.0900 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.0900 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.0900 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.0900 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.0900 ppbv			1	"	U
67-64-1	Acetone	4.02	0.0900 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	0.636	0.0900 ppbv			1	"	
64-17-5	Ethanol	19.4	0.0900 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-09-2	Methylene chloride	0.550	0.0900 ppbv			1	"	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	0.202	0.0900 ppbv			1	"	
75-15-0	Carbon disulfide	BRL	0.0900 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.0900 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.0900 ppbv			1	"	U
67-63-0	Isopropyl alcohol	9.96	0.0900 ppbv			1	"	
78-93-3	2-Butanone (MEK)	0.562	0.0900 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.0900 ppbv			1	"	U
110-54-3	Hexane	BRL	0.0900 ppbv			1	"	U
141-78-6	Ethyl acetate	0.139	0.0900 ppbv			1	"	
67-66-3	Chloroform	BRL	0.0900 ppbv			1	"	U
109-99-9	Tetrahydrofuran	0.139	0.0900 ppbv			1	"	
107-06-2	1,2-Dichloroethane	BRL	0.0900 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.0900 ppbv			1	"	U
71-43-2	Benzene	0.370	0.0900 ppbv			1	"	
56-23-5	Carbon tetrachloride	0.258	0.0280 ppbv			1	"	
110-82-7	Cyclohexane	0.269	0.0900 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.0900 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.0900 ppbv			1	"	U
79-01-6	Trichloroethene	0.0581	0.0280 ppbv			1	"	
142-82-5	n-Heptane	0.363	0.0900 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.0900 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.0900 ppbv			1	"	U

Sample Identification
80ST-OA3-120706
SA55328-08

Client Project #
5555113

Method Ref.
EPA TO-15

Matrix
Air

Prepared
11-Dec-06

Collection Date/Time
08-Dec-06 11:49

Analyzed
11-Dec-06

Received
09-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
79-00-5	1,1,2-Trichloroethane	BRL	0.0900 ppbv			1	6120906	U
108-88-3	Toluene	0.910	0.0900 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.0900 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.0900 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.0900 ppbv			1	"	U
127-18-4	Tetrachloroethene	0.169	0.0900 ppbv			1	"	
108-90-7	Chlorobenzene	BRL	0.0900 ppbv			1	"	U
100-41-4	Ethylbenzene	0.285	0.0900 ppbv			1	"	
1330-20-7	m,p-Xylene	1.03	0.0900 ppbv			1	"	
75-25-2	Bromoform	BRL	0.0900 ppbv			1	"	U
100-42-5	Styrene	BRL	0.0900 ppbv			1	"	U
95-47-6	o-Xylene	0.380	0.0900 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.0900 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.179	0.0900 ppbv			1	"	
622-96-8	4-Ethyltoluene	0.144	0.0900 ppbv			1	"	
95-63-6	1,2,4-Trimethylbenzene	0.493	0.0900 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.0900 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.0900 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.0900 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.0900 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	107	75-125 %				"	

Sample Identification

RES#12-12-120606

SA55328-09

Client Project #

5555113

Matrix

Air

Collection Date/Time

06-Dec-06 11:34

Received

09-Dec-06

Method Ref.
Air method TICsPrepared
11-Dec-06Analyzed
11-Dec-06Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
106-97-8	Butane	3.51	ppbv	5.35	72	1	6120906	TIC, J
108-87-2	Cyclohexane, methyl-	1.94	ppbv	13.93	96	1	"	TIC, J
124-18-5	Decane	3.34	ppbv	22.04	97	1	"	TIC, J
	Decane, 2,2,8-trimethyl-	2.51	ppbv	25.20	72	1	"	TIC, J
13151-34-3	Decane, 3-methyl-	1.83	ppbv	24.99	72	1	"	TIC, J
112-40-3	Dodecane	2.84	ppbv	26.78	96	1	"	TIC, J
75-37-6	Ethane, 1,1-difluoro-	6.18	ppbv	4.58	90	1	"	TIC, J
629-78-7	Heptadecane	1.63	ppbv	23.22	64	1	"	TIC, J
	Hexane, 3,3-dimethyl-	3.39	ppbv	24.63	78	1	"	TIC, J
75-28-5	Isobutane	4.79	ppbv	5.05	50	1	"	TIC, J
91-20-3	Naphthalene	1.66	ppbv	26.61	90	1	"	TIC, J
	Octane, 3,6-dimethyl-	6.47	ppbv	26.24	78	1	"	TIC, J
1120-21-4	Undecane	6.27	ppbv	24.50	90	1	"	TIC, J
7045-71-8	Undecane, 2-methyl-	1.83	ppbv	25.99	90	1	"	TIC, J

EPA TO-15

Prepared by method General Air Prep								
115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.490	0.500 ppbv			1	"	J
74-87-3	Chloromethane	0.470	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	11.0	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5	Ethanol	369	0.500 ppbv			1	"	EJ LR
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	0.370	0.500 ppbv			1	"	J
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	14.5	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	1.70	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	BRL	0.500 ppbv			1	"	U
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U

Sample Identification

RES#12-12-120606

SA55328-09

Client Project #

5555113

Matrix

Air

Collection Date/Time

06-Dec-06 11:34

Received

09-Dec-06

Method Ref.

EPA TO-15

Prepared

11-Dec-06

Analyzed

11-Dec-06

Analyst

WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	6120906	U
71-43-2	Benzene	0.820	0.500 ppbv			1	"	
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	0.420	0.500 ppbv			1	"	J
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	1.72	0.500 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	8.16	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	0.430	0.500 ppbv			1	"	J
1330-20-7	m,p-Xylene	1.68	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	0.930	0.500 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.790	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	108	75-125 %				"	

Sample Identification
RES#12-I1-120606
SA55328-10

Client Project #
5555113
Method Ref.
Air method TICs

Matrix
Air
Prepared
11-Dec-06

Collection Date/Time
07-Dec-06 11:36
Analyzed
12-Dec-06

Received
09-Dec-06
Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
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Air Quality Analyses

Tentatively Identified Compounds in Air

Prepared by method General Air Prep

.alpha.-Pinene	6.37	ppbv	20.53	97	1	6120906	TIC, J
611-14-3 Benzene, 1-ethyl-2-methyl-	2.45	ppbv	20.92	94	1	"	TIC, J
106-97-8 Butane	4.00	ppbv	5.35	80	1	"	TIC, J
108-87-2 Cyclohexane, methyl-	18.4	ppbv	13.93	96	1	"	TIC, J
124-18-5 Decane	7.14	ppbv	22.04	96	1	"	TIC, J
75-37-6 Ethane, 1,1-difluoro-	2.81	ppbv	4.58	91	1	"	TIC, J
Heptane, 4-ethyl-2,2,6,6-te...	4.58	ppbv	23.80	72	1	"	TIC, J
591-76-4 Hexane, 2-methyl-	3.59	ppbv	11.97	95	1	"	TIC, J
589-34-4 Hexane, 3-methyl-	5.68	ppbv	12.27	91	1	"	TIC, J
75-28-5 Isobutane	5.04	ppbv	5.05	59	1	"	TIC, J
138-86-3 Limonene	3.40	ppbv	22.89	91	1	"	TIC, J
111-84-2 Nonane	2.74	ppbv	19.35	91	1	"	TIC, J
Octane, 3,6-dimethyl-	5.94	ppbv	26.24	78	1	"	TIC, J
1120-21-4 Undecane	7.55	ppbv	24.50	93	1	"	TIC, J

EPA TO-15

Prepared by method General Air Prep

115-07-1 Propene	BRL	0.500 ppbv			1	"	U
75-71-8 Dichlorodifluoromethane (Freon12)	0.480	0.500 ppbv			1	"	J
74-87-3 Chloromethane	0.460	0.500 ppbv			1	"	J
76-14-2 1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4 Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0 1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9 Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3 Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1 Acetone	14.5	0.500 ppbv			1	"	
75-69-4 Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5 Ethanol	162	0.500 ppbv			1	"	J LR
75-35-4 1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2 Methylene chloride	0.690	0.500 ppbv			1	"	
76-13-1 1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0 Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5 trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3 1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4 Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0 Isopropyl alcohol	10.2	0.500 ppbv			1	"	
78-93-3 2-Butanone (MEK)	9.62	0.500 ppbv			1	"	
156-59-2 cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3 Hexane	2.36	0.500 ppbv			1	"	
141-78-6 Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3 Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9 Tetrahydrofuran	2.17	0.500 ppbv			1	"	
107-06-2 1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U

Sample Identification

RES#12-II-120606

SA55328-10

Client Project #

5555113

Matrix

Air

Collection Date/Time

07-Dec-06 11:36

Received

09-Dec-06

Method Ref.

EPA TO-15

Prepared

11-Dec-06

Analyzed

12-Dec-06

Analyst

WB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	6120906	U
71-43-2	Benzene	1.25	0.500 ppbv			1	"	
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U
110-82-7	Cyclohexane	3.91	0.500 ppbv			1	"	
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	15.2	0.500 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	38.9	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	1.01	0.500 ppbv			1	"	
1330-20-7	m,p-Xylene	3.81	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	1.93	0.500 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	0.710	0.500 ppbv			1	"	
622-96-8	4-Ethyltoluene	0.660	0.500 ppbv			1	"	
95-63-6	1,2,4-Trimethylbenzene	2.48	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	108	75-125 %				"	

Sample Identification
RES#12-SS-120606
SA55328-11

Client Project #
5555113

Matrix
Air

Collection Date/Time
07-Dec-06 11:59

Received
09-Dec-06

Method Ref.
Air method TICs

Prepared
11-Dec-06

Analyzed
12-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>Tentatively Identified Compounds in Air</u>		Prepared by method General Air Prep						
611-14-3	Benzene, 1-ethyl-2-methyl-	0.780	ppbv	20.92	94	1	6120906	TIC, J
108-87-2	Cyclohexane, methyl-	6.96	ppbv	13.93	96	1	"	TIC, J
	Cyclopentane, 1,2-dimethyl-...	0.790	ppbv	12.76	90	1	"	TIC, J
124-18-5	Decane	1.84	ppbv	22.04	91	1	"	TIC, J
	Decane, 2,2-dimethyl-	2.02	ppbv	22.79	78	1	"	TIC, J
	Dodecane, 2,2,11,11-tetrame...	1.06	ppbv	23.02	90	1	"	TIC, J
3891-98-3	Dodecane, 2,6,10-trimethyl-	0.980	ppbv	23.59	72	1	"	TIC, J
591-76-4	Hexane, 2-methyl-	1.43	ppbv	11.96	95	1	"	TIC, J
589-34-4	Hexane, 3-methyl-	2.19	ppbv	12.27	94	1	"	TIC, J
	Nonane, 3-methyl-5-propyl-	6.44	ppbv	23.22	78	1	"	TIC, J
1120-21-4	Undecane	1.77	ppbv	24.50	87	1	"	TIC, J
<u>EPA TO-15</u>		Prepared by method General Air Prep						
115-07-1	Propene	BRL	0.500 ppbv			1	"	U
75-71-8	Dichlorodifluoromethane (Freon12)	0.490	0.500 ppbv			1	"	J
74-87-3	Chloromethane	0.490	0.500 ppbv			1	"	J
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500 ppbv			1	"	U
75-01-4	Vinyl chloride	BRL	0.500 ppbv			1	"	U
106-99-0	1,3-Butadiene	BRL	0.500 ppbv			1	"	U
74-83-9	Bromomethane	BRL	0.500 ppbv			1	"	U
75-00-3	Chloroethane	BRL	0.500 ppbv			1	"	U
67-64-1	Acetone	4.87	0.500 ppbv			1	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.500 ppbv			1	"	U
64-17-5	Ethanol	15.6	0.500 ppbv			1	"	
75-35-4	1,1-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-09-2	Methylene chloride	BRL	0.500 ppbv			1	"	U
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500 ppbv			1	"	U
75-15-0	Carbon disulfide	BRL	0.500 ppbv			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
75-34-3	1,1-Dichloroethane	BRL	0.500 ppbv			1	"	U
1634-04-4	Methyl tert-butyl ether	BRL	0.500 ppbv			1	"	U
67-63-0	Isopropyl alcohol	0.900	0.500 ppbv			1	"	
78-93-3	2-Butanone (MEK)	1.87	0.500 ppbv			1	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.500 ppbv			1	"	U
110-54-3	Hexane	BRL	0.500 ppbv			1	"	U
141-78-6	Ethyl acetate	BRL	0.500 ppbv			1	"	U
67-66-3	Chloroform	BRL	0.500 ppbv			1	"	U
109-99-9	Tetrahydrofuran	0.680	0.500 ppbv			1	"	
107-06-2	1,2-Dichloroethane	BRL	0.500 ppbv			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	0.500 ppbv			1	"	U
71-43-2	Benzene	0.590	0.500 ppbv			1	"	
56-23-5	Carbon tetrachloride	BRL	0.500 ppbv			1	"	U

SMK
12/27/06
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Sample Identification
RES#12-SS-120606
SA55328-11

Client Project #
5555113

Matrix
Air

Collection Date/Time
07-Dec-06 11:59

Received
09-Dec-06

Method Ref.
EPA TO-15

Prepared
11-Dec-06

Analyzed
12-Dec-06

Analyst
WB

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Air Quality Analyses								
<u>EPA TO-15</u>		Prepared by method General Air Prep						
110-82-7	Cyclohexane	1.48	0.500 ppbv			1	6120906	
78-87-5	1,2-Dichloropropane	BRL	0.500 ppbv			1	"	U
75-27-4	Bromodichloromethane	BRL	0.500 ppbv			1	"	U
79-01-6	Trichloroethene	BRL	0.500 ppbv			1	"	U
142-82-5	n-Heptane	5.92	0.500 ppbv			1	"	
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500 ppbv			1	"	U
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500 ppbv			1	"	U
79-00-5	1,1,2-Trichloroethane	BRL	0.500 ppbv			1	"	U
108-88-3	Toluene	14.3	0.500 ppbv			1	"	
591-78-6	2-Hexanone (MBK)	BRL	0.500 ppbv			1	"	U
124-48-1	Dibromochloromethane	BRL	0.500 ppbv			1	"	U
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500 ppbv			1	"	U
127-18-4	Tetrachloroethene	BRL	0.500 ppbv			1	"	U
108-90-7	Chlorobenzene	BRL	0.500 ppbv			1	"	U
100-41-4	Ethylbenzene	0.420	0.500 ppbv			1	"	J
1330-20-7	m,p-Xylene	1.44	0.500 ppbv			1	"	
75-25-2	Bromoform	BRL	0.500 ppbv			1	"	U
100-42-5	Styrene	BRL	0.500 ppbv			1	"	U
95-47-6	o-Xylene	0.600	0.500 ppbv			1	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500 ppbv			1	"	U
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500 ppbv			1	"	U
622-96-8	4-Ethyltoluene	BRL	0.500 ppbv			1	"	U
95-63-6	1,2,4-Trimethylbenzene	0.910	0.500 ppbv			1	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
100-44-7	Benzyl chloride	BRL	0.500 ppbv			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	0.500 ppbv			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500 ppbv			1	"	U
87-68-3	Hexachlorobutadiene	BRL	0.500 ppbv			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	108	75-125 %				"	



Data Validation

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January 5, 2006

Ms. Ilkay Cam-Spanos
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, Suite 900
New York, NY 10001-27279

Re: Data Validation Report for SA35001
Atlas Park Project
Glendale, New York

Dear Ms. Cam-Spanos:


The data usability summary report (DUSR), data validation summaries, and flagged data are attached to this letter for the Atlas Park project, Glendale, New York, for Spectrum Analytical Inc., sample delivery group (SDG) SA35001.

The data package contained the results for two soil samples. The "not detected" result for 2-butanone was qualified as "R" in sample SWVAULT-B1, and the "not detected" results for silver were qualified as "R" in both samples. The remainder of the data is acceptable and usable, with some results that are qualified as estimated (J).

As explained in the DUSR, the 2-butanone result that was flagged "R" was associated with initial and continuing calibrations that were method compliant, and the laboratory instruments responded to 2-butanone with "relative response factors" that were greater than 0.10. The 2-butanone data is qualified as "R" based solely on the data validation criteria. The data may be determined to be acceptable to the user based on the instrument response(s), the compliant calibrations, and/or other project-specific information that is not available to the data validator.

The attached lists are definitions of data validation acronyms and data validation qualifiers to assist you in interpreting the reviews. If you have any questions concerning these reports, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Environmental Consultants, Inc.


Jean M. Neubeck
President

JMN:bms
Attachment and enclosures

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FPN	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation



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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA36885**

**30 Soil Samples
Collected November 5-8, 2005**

Prepared by: Donald Anné
December 27, 2005

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of TCL volatile analyses for 29 soil samples and the results for total lead analyses for 7 soil samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The "not detected" results for acetone were flagged as "unusable" (R) in 16 soil samples listed on the attached table, because the response factors were below the allowable minimum in the associated initial and/or continuing calibrations.
- The "not detected" results for 2-butanone were flagged as "unusable" (R) in 20 soil samples listed on the attached table, because the response factors were below the allowable minimum in the associated initial and continuing calibrations.
- The results for acetone were flagged as "estimated" (J) in 13 soil samples listed in the attached table, because the response factors were below the allowable minimum in the associated continuing calibration.
- The results for 2-butanone were flagged as "estimates" (J) in 5 soil samples listed in the attached table, because the response factors were below the allowable minimum in the associated initial and continuing calibrations.

- The result for tetrachloroethene was flagged as “estimated” (J) in sample B8-5-9-9.5-110505 because the %D was above the allowable maximum in the associated continuing calibration.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

The “not detected” data that were qualified as “R” were associated with method-compliant calibrations, and the response factors for the two affected compounds were greater than 0.010. It is this reviewer’s opinion that although the validation guidelines recommend that the data should be considered unusable, the “R” data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.

TABLE

DUSR SDG 36885

Summary of Flagged Data Due to Initial
and/or Continuing Calibrations

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>acetone</u>	<u>2-butanone</u>
SA36885-01	B8-2-9-9.5-110505	R	
SA36885-02	B8-3-14.5-15-110505	R	R
SA36885-03	B8-4-8.5-9-110505	R	R
SA36885-04	B8-5-9-9.5-110505	J	
SA36885-05	B8-6-9-10-110605	R	R
SA36885-06	B8-6-14-15-110605	R	R
SA36885-07	B8-7-14-14.5-110505	J	R
SA36885-08	B8-8-9-9.5-110505	R	R
SA36885-09	B8-9-8.5-9-110505	R	
SA36885-10	B8-10-14.5-15-110505	R	R
SA36885-11	B8-11-8.5-9-110505	J	R
SA36885-12	B8-13-14-15-110605	R	R
SA36885-13	B8-18-11-12-110605	J	R
SA36885-14	B8-19-10-11-110605	J	R
SA36885-15	B3-11-14.5-15-110405	R	R
SA36885-16	B3-14-11.5-12-110505	J	R
SA36885-17	B3-15-14.5-15-110505	R	R
SA36885-18	B3-16-8.5-9-110505	R	R
SA36885-19	B3-17-9-9.5-110505	J	R
SA36885-20	B3-17-14.5-15-110405	R	R
SA36885-21	B3-21-14.5-15-110405	R	R
SA36885-22	B3-24-14.5-15-110405	R	R
SA36885-23	B7-1-9.5-10-110805	R	
SA36885-24	B7-1-9.5-10-110805		
SA36885-25	B7-2-11-11.5-110805	J	J
SA36885-26	B7-3-4-4.5-110705	J	J
SA36885-27	B7-4-13-13.5-110705	J	J
SA36885-28	B7-6-13-13.5-110805	J	J
SA36885-29	B7-7-4-4.5-110705	J	J
SA36885-30	B7-8-12.5-13-110705	J	R



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA36885
29 Soil Samples
Collected November 5-8, 2005**

Prepared by: Donald Anné
December 27, 2005

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required. The average RRF for acetone (0.018) was below the allowable minimum (0.050) for HPV1 on 10-18-05, but was greater than 0.010. The average RRF for 2-butanone (0.033) was below the allowable minimum (0.050) for HPV6 on 11-11-05, but was greater than 0.010. Positive results for these two compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %Ds for bromoform (36.8%) and tetrachloroethene (28.0%) were above the allowable maximum (25%) on 11-11-05 (ccc1111a.D). The %Ds for chloromethane (35.5%), dibromochloromethane (26.2%), 4-methyl-2-pentanone (29.9%), and 1,2,3-trichloropropane (26.2%) were above the allowable maximum (25%) on 11-11-05 (LCS1111C.D). The %D for dibromochloromethane (31.0%) was above the allowable maximum (25%) on 11-12-05 (LCS1111C.D). Positive results for these compounds should be considered estimates in associated samples.

The RRF50 for acetone (0.016) was below the allowable minimum (0.050) on 11-11-05 (ccc1111a.D), but was greater than 0.010. The RRF50 for acetone (0.017) was below the allowable minimum (0.050) on 11-14-05 (ccc1114b.D), but was greater than 0.010. The RRF50s for acetone (0.047) and 2-butanone (0.043) were below the allowable minimum (0.050) on 11-11-05 (LCS1111C.D), but were greater than 0.010. The RRF50s for acetone (0.032) and 2-butanone (0.036) were below the allowable minimum (0.050) on 11-12-05 (CCV1111X.D), but were greater than 0.010. Positive results for these two compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within control limits for MS/MSD samples SA36929-01 and B8-2-9-9.5-110505.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximums, but the percent recoveries (%Rs) for chloromethane and vinyl chloride were above QC limits for LCS/LCSD sample 5110599-BS1. The RPDs for target compounds were below the allowable maximums, but the %R for bromoform was above QC limits for LCS/LCSD sample 5110758-BS1. The RPDs for target compounds were below the allowable maximums, but the %Rs for carbon tetrachloride and chloromethane were above QC limits for LCS/LCSD sample 5110854-BS1. The %R for chloromethane was above QC limits for LCS sample 5110601-BS1. Positive results for these compounds should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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**QA/QC Review of Lead Data
for Spectrum Analytical, Inc.
Work Order SA36885
7 Soil Samples
Collected November 7 and 8, 2005**

Prepared by: Donald Anné
December 27, 2005

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for lead were within control limits (90-110%).

Blanks: The analyses for initial and continuing calibration blanks reported lead as not detected.

ICP Interference Check Sample: The percent recoveries for lead were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for lead (90.0% and 89.4%) were within control limits (75-125%) for MS/MSD sample B7-4-13-13.5-110705.

Duplicates: The relative percent difference for lead (2.67%) was below the allowable maximum (35%) for duplicate sample B7-3-4-4.5-110705, as required.

Laboratory Control Sample: The percent recoveries for lead (102% and 101%) were within QC limits for samples 5110612-SRM1 and 5510612-SRM2.

ICP Serial Dilution: The serial dilution data was not provided; therefore, %Ds could not be evaluated.

Percent Solids: The percent solids for soil samples were greater than 50%, as required.

Sample Identification
B8-2-9-9.5-110505
 SA36885-01

Client Project #
 5555113

Matrix
 Soil

Collection Date/Time
 05-Nov-05 10:45

Received
 08-Nov-05

Method Ref.
 VOC

Prepared
 08-Nov-05

Analyzed
 08-Nov-05

Analyst
 YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
Volatile Organic Compounds								
		Prepared by method	SW846 5030 Soil (high level)				VOC8	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	65.0 µg/kg dry			50	5110854	U
67-64-1	Acetone	BRL	1300 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	65.0 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	650 µg/kg dry			50	"	U
75-15-0	Carbon disulfide	BRL	325 µg/kg dry			50	"	U
56-23-5	Carbon tetrachloride	BRL	65.0 µg/kg dry			50	"	U
108-90-7	Chlorobenzene	BRL	65.0 µg/kg dry			50	"	U
75-00-3	Chloroethane	BRL	130 µg/kg dry			50	"	U
67-66-3	Chloroform	BRL	65.0 µg/kg dry			50	"	U
124-48-1	Dibromochloromethane	BRL	65.0 µg/kg dry			50	"	U
95-50-1	1,2-Dichlorobenzene	BRL	65.0 µg/kg dry			50	"	U
541-73-1	1,3-Dichlorobenzene	BRL	65.0 µg/kg dry			50	"	U
106-46-7	1,4-Dichlorobenzene	BRL	65.0 µg/kg dry			50	"	U
75-34-3	1,1-Dichloroethane	BRL	65.0 µg/kg dry			50	"	U
107-06-2	1,2-Dichloroethane	BRL	65.0 µg/kg dry			50	"	U
75-35-4	1,1-Dichloroethene	BRL	65.0 µg/kg dry			50	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	65.0 µg/kg dry			50	"	U
142-28-9	1,3-Dichloropropane	BRL	65.0 µg/kg dry			50	"	U
100-41-4	Ethylbenzene	BRL	65.0 µg/kg dry			50	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	650 µg/kg dry			50	"	U
75-09-2	Methylene chloride	BRL	650 µg/kg dry			50	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	65.0 µg/kg dry			50	"	U
127-18-4	Tetrachloroethene	BRL	65.0 µg/kg dry			50	"	U
108-88-3	Toluene	BRL	65.0 µg/kg dry			50	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	65.0 µg/kg dry			50	"	U
71-55-6	1,1,1-Trichloroethane	BRL	65.0 µg/kg dry			50	"	U
79-01-6	Trichloroethene	BRL	65.0 µg/kg dry			50	"	U
96-18-4	1,2,3-Trichloropropane	BRL	65.0 µg/kg dry			50	"	U
75-01-4	Vinyl chloride	BRL	65.0 µg/kg dry			50	"	U
1330-20-7	m,p-Xylene	BRL	130 µg/kg dry			50	"	U
95-47-6	o-Xylene	BRL	65.0 µg/kg dry			50	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	98.4	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	106	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification
B8-3-14.5-15-110505
SA36885-02

Client Project #
5555113

Matrix
Soil

Collection Date/Time
05-Nov-05 11:00

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.9 µg/kg dry			1	5110601	U
67-64-1	Acetone	BRL	97.1 µg/kg dry			1	"	U
71-43-2	Benzene	BRL	4.9 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	48.6 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	24.3 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	4.9 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	4.9 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	9.7 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	4.9 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	4.9 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.9 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.9 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.9 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.9 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.9 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.9 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	48.6 µg/kg dry			1	"	U
75-09-2	Methylene chloride	9.8	48.6 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.9 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	0.6	4.9 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	4.9 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.9 µg/kg dry			1	"	U
79-01-6	Trichloroethene	0.5	4.9 µg/kg dry			1	"	J
96-18-4	1,2,3-Trichloropropane	BRL	4.9 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.9 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	9.7 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	4.9 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	101	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	101	70-130 %				"	

Sample Identification
B8-4-8.5-9-110505
SA36885-03

Client Project #
5555113

Matrix
Soil

Collection Date/Time
05-Nov-05 10:30

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	6.0 µg/kg dry			1	5110601	U
67-64-1	Acetone	BRL	121 µg/kg dry			1	"	U
71-43-2	Benzene	BRL	6.0 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	60.5 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	30.2 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	6.0 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	6.0 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	12.1 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	6.0 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	6.0 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	6.0 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	6.0 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	6.0 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	6.0 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	6.0 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	6.0 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	6.0 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	6.0 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	6.0 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	60.5 µg/kg dry			1	"	U
75-09-2	Methylene chloride	16.5	60.5 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.0 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	6.0 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	6.0 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	6.0 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	6.0 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	6.0 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	6.0 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	6.0 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	12.1 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	6.0 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.2	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	101	70-130 %				"	

Sample Identification
B8-5-9-9.5-110505
SA36885-04

Client Project #
5555113

Matrix
Soil

Collection Date/Time
05-Nov-05 11:20

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.5 µg/kg dry			1	5110601	U
67-64-1	Acetone	55.5	110 µg/kg dry			1	"	VOC6, J
71-43-2	Benzene	BRL	5.5 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	54.9 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	27.5 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	5.5 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	5.5 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	11.0 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	5.5 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	5.5 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.5 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.5 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.5 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.5 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.5 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.5 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.5 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.5 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	5.5 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	54.9 µg/kg dry			1	"	U
75-09-2	Methylene chloride	12.2	54.9 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.5 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	0.5	5.5 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	5.5 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.5 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.5 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	5.5 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	5.5 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.5 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	11.0 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	5.5 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	100	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.2	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification
B8-6-9-10-110605
SA36885-05

Client Project #
5555113

Matrix
Soil

Collection Date/Time
06-Nov-05 12:25

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i>								
Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.9 µg/kg dry			1	5110601	U
67-64-1	Acetone	BRL	118 µg/kg dry		R	1	"	U
71-43-2	Benzene	BRL	5.9 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	59.0 µg/kg dry		R	1	"	U
75-15-0	Carbon disulfide	BRL	29.5 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	5.9 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	5.9 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	11.8 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	5.9 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	5.9 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.9 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.9 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.9 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.9 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.9 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.9 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.9 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.9 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	5.9 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	59.0 µg/kg dry			1	"	U
75-09-2	Methylene chloride	16.1	59.0 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.9 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	5.9 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	5.9 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.9 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.9 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	5.9 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	5.9 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.9 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	11.8 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	5.9 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	102	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	100	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification
B8-6-14-15-110605
SA36885-06

Client Project #
5555113

Matrix
Soil

Collection Date/Time
06-Nov-05 13:00

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.4 µg/kg dry			1	5110601	U
67-64-1	Acetone	BRL	108 µg/kg dry		R	1	"	U
71-43-2	Benzene	BRL	5.4 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	54.2 µg/kg dry		R	1	"	U
75-15-0	Carbon disulfide	BRL	27.1 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	5.4 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	5.4 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	10.8 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	5.4 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	5.4 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.4 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.4 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.4 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.4 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.4 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	5.4 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	54.2 µg/kg dry			1	"	U
75-09-2	Methylene chloride	8.9	54.2 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.4 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	5.4 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	5.4 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.4 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	5.4 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	5.4 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.4 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	10.8 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	5.4 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	102	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.8	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification
B8-7-14-14.5-110505
SA36885-07

Client Project #
5555113
Method Ref.
VOC

Matrix
Soil
Prepared
08-Nov-05

Collection Date/Time
05-Nov-05 10:15
Analyzed
08-Nov-05

Received
08-Nov-05
Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	6.7 µg/kg dry			1	5110601	U
67-64-1	Acetone	60.1	134 µg/kg dry			1	"	VOC6, J
71-43-2	Benzene	BRL	6.7 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	66.9 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	33.4 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	6.7 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	6.7 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	13.4 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	6.7 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	6.7 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	6.7 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	6.7 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	6.7 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	6.7 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	6.7 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	6.7 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	6.7 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	6.7 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	6.7 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	66.9 µg/kg dry			1	"	U
75-09-2	Methylene chloride	19.3	66.9 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.7 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	1.3	6.7 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	6.7 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	6.7 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	6.7 µg/kg dry			1	"	U
79-01-6	Trichloroethene	0.7	6.7 µg/kg dry			1	"	J
96-18-4	1,2,3-Trichloropropane	BRL	6.7 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	6.7 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	13.4 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	6.7 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.2	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	101	70-130 %				"	

Sample Identification
B8-8-9-9.5-110505
SA36885-08

Client Project #
5555113

Matrix
Soil

Collection Date/Time
05-Nov-05 08:30

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.3 µg/kg dry			1	5110601	U
67-64-1	Acetone	BRL	105 µg/kg dry			1	"	U
71-43-2	Benzene	BRL	5.3 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	52.6 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	26.3 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	5.3 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	5.3 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	10.5 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	5.3 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	5.3 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.3 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.3 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.3 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.3 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.3 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.3 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.3 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.3 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	5.3 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	52.6 µg/kg dry			1	"	U
75-09-2	Methylene chloride	11.5	52.6 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.3 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	5.3 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	5.3 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.3 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.3 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	5.3 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	5.3 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.3 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	10.5 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	5.3 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.8	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification

B8-9-8.5-9-110505

SA36885-09

Client Project #

5555113

Matrix

Soil

Collection Date/Time

05-Nov-05 07:45

Received

08-Nov-05

Method Ref.

VOC

Prepared

08-Nov-05

Analyzed

08-Nov-05

Analyst

YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u>		Prepared by method	SW846 5030 Soil (high level)					VOC8
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	51.9 µg/kg dry			50	5110854	U
67-64-1	Acetone	BRL	1040 µg/kg dry			50	"	U
71-43-2	Benzene	27.0	51.9 µg/kg dry			50	"	J
78-93-3	2-Butanone (MEK)	BRL	519 µg/kg dry			50	"	U
75-15-0	Carbon disulfide	BRL	260 µg/kg dry			50	"	U
56-23-5	Carbon tetrachloride	BRL	51.9 µg/kg dry			50	"	U
108-90-7	Chlorobenzene	BRL	51.9 µg/kg dry			50	"	U
75-00-3	Chloroethane	BRL	104 µg/kg dry			50	"	U
67-66-3	Chloroform	BRL	51.9 µg/kg dry			50	"	U
124-48-1	Dibromochloromethane	BRL	51.9 µg/kg dry			50	"	U
95-50-1	1,2-Dichlorobenzene	BRL	51.9 µg/kg dry			50	"	U
541-73-1	1,3-Dichlorobenzene	BRL	51.9 µg/kg dry			50	"	U
106-46-7	1,4-Dichlorobenzene	BRL	51.9 µg/kg dry			50	"	U
75-34-3	1,1-Dichloroethane	BRL	51.9 µg/kg dry			50	"	U
107-06-2	1,2-Dichloroethane	BRL	51.9 µg/kg dry			50	"	U
75-35-4	1,1-Dichloroethene	BRL	51.9 µg/kg dry			50	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	51.9 µg/kg dry			50	"	U
142-28-9	1,3-Dichloropropane	BRL	51.9 µg/kg dry			50	"	U
100-41-4	Ethylbenzene	BRL	51.9 µg/kg dry			50	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	519 µg/kg dry			50	"	U
75-09-2	Methylene chloride	BRL	519 µg/kg dry			50	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	51.9 µg/kg dry			50	"	U
127-18-4	Tetrachloroethene	46.2	51.9 µg/kg dry			50	"	J
108-88-3	Toluene	28.0	51.9 µg/kg dry			50	"	J
120-82-1	1,2,4-Trichlorobenzene	BRL	51.9 µg/kg dry			50	"	U
71-55-6	1,1,1-Trichloroethane	BRL	51.9 µg/kg dry			50	"	U
79-01-6	Trichloroethene	38.9	51.9 µg/kg dry			50	"	J
96-18-4	1,2,3-Trichloropropane	BRL	51.9 µg/kg dry			50	"	U
75-01-4	Vinyl chloride	BRL	51.9 µg/kg dry			50	"	U
1330-20-7	m,p-Xylene	BRL	104 µg/kg dry			50	"	U
95-47-6	o-Xylene	BRL	51.9 µg/kg dry			50	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	102	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	109	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	

Sample Identification
B8-10-14.5-15-110505
 SA36885-10

Client Project #
 5555113

Matrix
 Soil

Collection Date/Time
 05-Nov-05 09:00

Received
 08-Nov-05

Method Ref.
 VOC

Prepared
 08-Nov-05

Analyzed
 08-Nov-05

Analyst
 YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u>		Prepared by method SW846 5035A Soil (low level)						VOC10
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	3.9 µg/kg dry			1	5110601	U
67-64-1	Acetone	BRL	78.8 µg/kg dry			1	"	U
71-43-2	Benzene	BRL	3.9 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	39.4 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	19.7 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	3.9 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	3.9 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	7.9 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	3.9 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	3.9 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	3.9 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	3.9 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	3.9 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	3.9 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	3.9 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	3.9 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	3.9 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	3.9 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	3.9 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	39.4 µg/kg dry			1	"	U
75-09-2	Methylene chloride	5.2	39.4 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	3.9 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	0.7	3.9 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	3.9 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	3.9 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	3.9 µg/kg dry			1	"	U
79-01-6	Trichloroethene	0.4	3.9 µg/kg dry			1	"	J
96-18-4	1,2,3-Trichloropropane	BRL	3.9 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	3.9 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	7.9 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	3.9 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.6	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification
B8-11-8.5-9-110505
SA36885-11

Client Project #
5555113

Matrix
Soil

Collection Date/Time
05-Nov-05 09:45

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	6.4 µg/kg dry			1	5110601	U
67-64-1	Acetone	106	128 µg/kg dry			1	"	VOC6, J
71-43-2	Benzene	BRL	6.4 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	64.0 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	32.0 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	6.4 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	6.4 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	12.8 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	6.4 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	6.4 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	6.4 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	6.4 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	6.4 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	6.4 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	6.4 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	6.4 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	6.4 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	6.4 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	6.4 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	64.0 µg/kg dry			1	"	U
75-09-2	Methylene chloride	19.7	64.0 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.4 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	1.2	6.4 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	6.4 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	6.4 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	6.4 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	6.4 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	6.4 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	6.4 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	12.8 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	6.4 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.4	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification
B8-13-14-15-110605
SA36885-12

Client Project #
5555113

Matrix
Soil

Collection Date/Time
06-Nov-05 11:30

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	7.1 µg/kg dry			1	5110601	U
67-64-1	Acetone	BRL	141 µg/kg dry			1	"	U
71-43-2	Benzene	BRL	7.1 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	70.5 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	35.3 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	7.1 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	7.1 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	14.1 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	7.1 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	7.1 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	7.1 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	7.1 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	7.1 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	7.1 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	7.1 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	7.1 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	7.1 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	7.1 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	7.1 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	70.5 µg/kg dry			1	"	U
75-09-2	Methylene chloride	15.6	70.5 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	7.1 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	7.1 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	7.1 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	7.1 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	7.1 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	7.1 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	7.1 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	7.1 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	14.1 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	7.1 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.0	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	101	70-130 %				"	

Sample Identification
B8-18-11-12-110605
 SA36885-13

Client Project #
 5555113

Matrix
 Soil

Collection Date/Time
 06-Nov-05 10:30

Received
 08-Nov-05

Method Ref.
 VOC

Prepared
 08-Nov-05

Analyzed
 08-Nov-05

Analyst
 YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i>								
Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.8 µg/kg dry			1	5110599	U
67-64-1	Acetone	86.5	116 µg/kg dry			1	"	VOC6, J
71-43-2	Benzene	0.9	5.8 µg/kg dry			1	"	J
78-93-3	2-Butanone (MEK)	BRL	57.8 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	1.1	28.9 µg/kg dry			1	"	J
56-23-5	Carbon tetrachloride	BRL	5.8 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	5.8 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	11.6 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	5.8 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	5.8 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.8 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.8 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.8 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.8 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.8 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.8 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.8 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.8 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	5.8 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	57.8 µg/kg dry			1	"	U
75-09-2	Methylene chloride	16.7	57.8 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.8 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	1.5	5.8 µg/kg dry			1	"	J
108-88-3	Toluene	0.9	5.8 µg/kg dry			1	"	J
120-82-1	1,2,4-Trichlorobenzene	BRL	5.8 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.8 µg/kg dry			1	"	U
79-01-6	Trichloroethene	1.2	5.8 µg/kg dry			1	"	J
96-18-4	1,2,3-Trichloropropane	BRL	5.8 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.8 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	11.6 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	5.8 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	98.4	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	98.0	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	

Sample Identification
B8-19-10-11-110605
 SA36885-14

Client Project #
 5555113

Matrix
 Soil

Collection Date/Time
 06-Nov-05 08:45

Received
 08-Nov-05

Method Ref.
 VOC

Prepared
 08-Nov-05

Analyzed
 08-Nov-05

Analyst
 YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u>								
Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	6.5 µg/kg dry			1	5110599	U
67-64-1	Acetone	158	131 µg/kg dry			1	"	VOC6
71-43-2	Benzene	BRL	6.5 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	65.4 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	32.7 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	6.5 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	6.5 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	13.1 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	6.5 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	6.5 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	6.5 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	6.5 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	6.5 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	6.5 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	6.5 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	6.5 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	6.5 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	6.5 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	6.5 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	65.4 µg/kg dry			1	"	U
75-09-2	Methylene chloride	17.2	65.4 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.5 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	2.4	6.5 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	6.5 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	6.5 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	6.5 µg/kg dry			1	"	U
79-01-6	Trichloroethene	1.2	6.5 µg/kg dry			1	"	J
96-18-4	1,2,3-Trichloropropane	BRL	6.5 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	6.5 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	13.1 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	6.5 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	100	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	100	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	

Sample Identification
B3-11-14.5-15-110405
SA36885-15

Client Project #
5555113

Matrix
Soil

Collection Date/Time
04-Nov-05 14:45

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.9 µg/kg dry			1	5110599	U
67-64-1	Acetone	BRL	97.2 µg/kg dry			1	"	U
71-43-2	Benzene	BRL	4.9 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	48.6 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	24.3 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	4.9 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	4.9 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	9.7 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	4.9 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	4.9 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.9 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.9 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.9 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.9 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.9 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.9 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	48.6 µg/kg dry			1	"	U
75-09-2	Methylene chloride	15.9	48.6 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.9 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	1.0	4.9 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	4.9 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.9 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	4.9 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	4.9 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.9 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	9.7 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	4.9 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	103	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.6	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	

Sample Identification
B3-14-11.5-12-110505
 SA36885-16

Client Project #
 5555113

Matrix
 Soil

Collection Date/Time
 05-Nov-05 12:20

Received
 08-Nov-05

Method Ref.
 VOC

Prepared
 08-Nov-05

Analyzed
 08-Nov-05

Analyst
 YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.6 µg/kg dry			1	5110599	U
67-64-1	Acetone	160	112 µg/kg dry			1	"	VOC6
71-43-2	Benzene	0.6	5.6 µg/kg dry			1	"	J
78-93-3	2-Butanone (MEK)	BRL	55.9 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	1.4	28.0 µg/kg dry			1	"	J
56-23-5	Carbon tetrachloride	BRL	5.6 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	5.6 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	11.2 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	5.6 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	5.6 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.6 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.6 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.6 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.6 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.6 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.6 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.6 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.6 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	2.7	5.6 µg/kg dry			1	"	J
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	55.9 µg/kg dry			1	"	U
75-09-2	Methylene chloride	15.0	55.9 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.6 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	4.8	5.6 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	5.6 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.6 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.6 µg/kg dry			1	"	U
79-01-6	Trichloroethene	2.9	5.6 µg/kg dry			1	"	J
96-18-4	1,2,3-Trichloropropane	BRL	5.6 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.6 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	16.9	11.2 µg/kg dry			1	"	
95-47-6	o-Xylene	6.9	5.6 µg/kg dry			1	"	
460-00-4	Surrogate: 4-Bromofluorobenzene	98.6	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	98.4	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	104	70-130 %				"	

Sample Identification
B3-15-14.5-15-110505
SA36885-17

Client Project #
5555113

Matrix
Soil

Collection Date/Time
05-Nov-05 12:45

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u>								
Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.3 µg/kg dry			1	5110599	U
67-64-1	Acetone	BRL	85.0 µg/kg dry			1	"	U
71-43-2	Benzene	BRL	4.3 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	42.5 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	21.3 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	4.3 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	4.3 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	8.5 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	4.3 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	4.3 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.3 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.3 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.3 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.3 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.3 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.3 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	42.5 µg/kg dry			1	"	U
75-09-2	Methylene chloride	7.4	42.5 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.3 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	1.0	4.3 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	4.3 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.3 µg/kg dry			1	"	U
79-01-6	Trichloroethene	0.9	4.3 µg/kg dry			1	"	J
96-18-4	1,2,3-Trichloropropane	BRL	4.3 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.3 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	8.5 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	4.3 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.8	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	

Sample Identification
B3-16-8.5-9-110505
SA36885-18

Client Project #
5555113

Matrix
Soil

Collection Date/Time
05-Nov-05 15:20

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.0 µg/kg dry			1	5110599	U
67-64-1	Acetone	BRL	100 µg/kg dry			1	"	U
71-43-2	Benzene	BRL	5.0 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	50.2 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	25.1 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	5.0 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	5.0 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	10.0 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	5.0 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	5.0 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.0 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.0 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.0 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.0 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.0 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.0 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.0 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.0 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	5.0 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	50.2 µg/kg dry			1	"	U
75-09-2	Methylene chloride	8.7	50.2 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.0 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	0.5	5.0 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	5.0 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.0 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.0 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	5.0 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	5.0 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.0 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	10.0 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	5.0 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	100	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.0	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification
B3-17-9-9.5-110505
SA36885-19

Client Project #
5555113

Matrix
Soil

Collection Date/Time
05-Nov-05 13:15

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u>								
		Prepared by method SW846 5035A Soil (low level)						VOC10
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	3.9 µg/kg dry			1	5110599	U
67-64-1	Acetone	41.4	78.2 µg/kg dry			1	"	VOC6, J
71-43-2	Benzene	BRL	3.9 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	39.1 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	19.6 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	3.9 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	3.9 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	7.8 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	3.9 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	3.9 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	3.9 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	3.9 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	3.9 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	3.9 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	3.9 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	3.9 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	3.9 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	3.9 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	3.9 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	39.1 µg/kg dry			1	"	U
75-09-2	Methylene chloride	9.4	39.1 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	3.9 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	3.9 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	3.9 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	3.9 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	3.9 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	3.9 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	3.9 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	3.9 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	7.8 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	3.9 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.6	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	

Sample Identification
B3-17-14.5-15-110405
 SA36885-20

Client Project #
 5555113

Matrix
 Soil

Collection Date/Time
 04-Nov-05 15:00

Received
 08-Nov-05

Method Ref.
 VOC

Prepared
 08-Nov-05

Analyzed
 08-Nov-05

Analyst
 YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u>		Prepared by method SW846 5035A Soil (low level)						VOC10
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.3 µg/kg dry			1	5110599	U
67-64-1	Acetone	BRL	86.8 µg/kg dry		R	1	"	U
71-43-2	Benzene	BRL	4.3 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	43.4 µg/kg dry		R	1	"	U
75-15-0	Carbon disulfide	BRL	21.7 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	4.3 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	4.3 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	8.7 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	4.3 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	4.3 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.3 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.3 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.3 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.3 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.3 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.3 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	43.4 µg/kg dry			1	"	U
75-09-2	Methylene chloride	7.4	43.4 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.3 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	0.9	4.3 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	4.3 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.3 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	4.3 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	4.3 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.3 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	8.7 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	4.3 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	102	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.2	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	117	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	

Sample Identification
B3-21-14.5-15-110405
SA36885-21

Client Project #
5555113

Matrix
Soil

Collection Date/Time
04-Nov-05 13:45

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u>		Prepared by method SW846 5035A Soil (low level)						VOC10
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.3 µg/kg dry			1	5110599	U
67-64-1	Acetone	BRL	85.1 µg/kg dry			1	"	U
71-43-2	Benzene	BRL	4.3 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	42.6 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	21.3 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	4.3 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	4.3 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	8.5 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	4.3 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	4.3 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.3 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.3 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.3 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.3 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.3 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.3 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	42.6 µg/kg dry			1	"	U
75-09-2	Methylene chloride	9.2	42.6 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.3 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	2.2	4.3 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	4.3 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	4.3 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.3 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	4.3 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	4.3 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.3 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	8.5 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	4.3 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	103	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.8	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	116	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification
B3-24-14.5-15-110405
SA36885-22

Client Project #
5555113

Matrix
Soil

Collection Date/Time
04-Nov-05 13:15

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u>								
Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.8 µg/kg dry			1	5110599	U
67-64-1	Acetone	BRL	96.6 µg/kg dry			1	"	U
71-43-2	Benzene	BRL	4.8 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	48.3 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	24.1 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	4.8 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	4.8 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	9.7 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	4.8 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	4.8 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.8 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.8 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.8 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.8 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.8 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.8 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.8 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.8 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.8 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	48.3 µg/kg dry			1	"	U
75-09-2	Methylene chloride	9.0	48.3 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.8 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	1.9	4.8 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	4.8 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	4.8 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.8 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	4.8 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	4.8 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.8 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	9.7 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	4.8 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	104	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	100	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	115	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	

Sample Identification
B7-1-9.5-10-110805
SA36885-23

Client Project #
5555113

Matrix
Soil

Collection Date/Time
08-Nov-05 10:45

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u>								
Prepared by method SW846 5030 Soil (high level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	58.1 µg/kg dry			50	5110758	U
67-64-1	Acetone	BRL	1160 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	58.1 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	58.1 µg/kg dry			50	"	U
75-15-0	Carbon disulfide	BRL	291 µg/kg dry			50	"	U
56-23-5	Carbon tetrachloride	151	58.1 µg/kg dry			50	"	
108-90-7	Chlorobenzene	BRL	58.1 µg/kg dry			50	"	U
75-00-3	Chloroethane	BRL	116 µg/kg dry			50	"	U
67-66-3	Chloroform	476	58.1 µg/kg dry			50	"	
124-48-1	Dibromochloromethane	BRL	58.1 µg/kg dry			50	"	U
95-50-1	1,2-Dichlorobenzene	BRL	58.1 µg/kg dry			50	"	U
541-73-1	1,3-Dichlorobenzene	BRL	58.1 µg/kg dry			50	"	U
106-46-7	1,4-Dichlorobenzene	BRL	58.1 µg/kg dry			50	"	U
75-34-3	1,1-Dichloroethane	BRL	58.1 µg/kg dry			50	"	U
107-06-2	1,2-Dichloroethane	BRL	58.1 µg/kg dry			50	"	U
75-35-4	1,1-Dichloroethene	BRL	58.1 µg/kg dry			50	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	58.1 µg/kg dry			50	"	U
142-28-9	1,3-Dichloropropane	BRL	58.1 µg/kg dry			50	"	U
100-41-4	Ethylbenzene	BRL	58.1 µg/kg dry			50	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	58.1 µg/kg dry			50	"	U
75-09-2	Methylene chloride	BRL	58.1 µg/kg dry			50	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	58.1 µg/kg dry			50	"	U
127-18-4	Tetrachloroethene	BRL	58.1 µg/kg dry			50	"	U
108-88-3	Toluene	BRL	58.1 µg/kg dry			50	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	58.1 µg/kg dry			50	"	U
71-55-6	1,1,1-Trichloroethane	BRL	58.1 µg/kg dry			50	"	U
79-01-6	Trichloroethene	BRL	58.1 µg/kg dry			50	"	U
96-18-4	1,2,3-Trichloropropane	BRL	58.1 µg/kg dry			50	"	U
75-01-4	Vinyl chloride	BRL	58.1 µg/kg dry			50	"	U
1330-20-7	m,p-Xylene	BRL	116 µg/kg dry			50	"	U
95-47-6	o-Xylene	BRL	58.1 µg/kg dry			50	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	103	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	106	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	100	70-130 %				"	

Sample Identification
B7-2-11-11.5-110805
SA36885-25

Client Project #
5555113

Matrix
Soil

Collection Date/Time
08-Nov-05 09:30

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<u>Volatile Organic Compounds</u>								
Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	6.0 µg/kg dry			1	5110599	U
67-64-1	Acetone	166	119 µg/kg dry			1	"	VOC6
71-43-2	Benzene	BRL	6.0 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	12.9	59.5 µg/kg dry			1	"	VOC6, J
75-15-0	Carbon disulfide	0.6	29.8 µg/kg dry			1	"	J
56-23-5	Carbon tetrachloride	BRL	6.0 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	6.0 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	11.9 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	6.0 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	6.0 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	6.0 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	6.0 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	6.0 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	6.0 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	6.0 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	6.0 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	6.0 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	6.0 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	6.0 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	59.5 µg/kg dry			1	"	U
75-09-2	Methylene chloride	17.2	59.5 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.0 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	6.0 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	6.0 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	6.0 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	6.0 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	6.0 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	6.0 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	6.0 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	11.9 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	6.0 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	100	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	

Sample Identification
B7-3-4-4.5-110705
SA36885-26

Client Project #
5555113

Matrix
Soil

Collection Date/Time
07-Nov-05 15:00

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i>								
Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.4 µg/kg dry			1	5110599	U
67-64-1	Acetone	143	108 µg/kg dry			1	"	VOC6
71-43-2	Benzene	BRL	5.4 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	6.7	54.0 µg/kg dry			1	"	VOC6, J
75-15-0	Carbon disulfide	BRL	27.0 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	5.4 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	5.4 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	10.8 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	5.4 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	5.4 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.4 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.4 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.4 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.4 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.4 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	5.4 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	54.0 µg/kg dry			1	"	U
75-09-2	Methylene chloride	15.1	54.0 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.4 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	5.4 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	5.4 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.4 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	5.4 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	5.4 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.4 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	10.8 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	5.4 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	100	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.6	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	117	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	104	70-130 %				"	

Sample Identification
B7-4-13-13.5-110705
SA36885-27

Client Project #
5555113

Matrix
Soil
Collection Date/Time
07-Nov-05 11:30

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC-Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	6.6 µg/kg dry			1	5110599	U
67-64-1	Acetone	75.3	132 µg/kg dry			1	"	VOC6, J
71-43-2	Benzene	BRL	6.6 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	5.0	66.1 µg/kg dry			1	"	VOC6, J
75-15-0	Carbon disulfide	BRL	33.0 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	6.6 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	6.6 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	13.2 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	6.6 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	6.6 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	6.6 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	6.6 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	6.6 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	6.6 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	6.6 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	6.6 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	6.6 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	6.6 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	6.6 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	66.1 µg/kg dry			1	"	U
75-09-2	Methylene chloride	12.3	66.1 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.6 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	6.6 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	6.6 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	6.6 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	6.6 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	6.6 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	6.6 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	6.6 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	13.2 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	6.6 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	103	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	99.6	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	115	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	101	70-130 %				"	

Sample Identification
B7-6-13-13.5-110805
SA36885-28

Client Project #
5555113

Matrix
Soil

Collection Date/Time
08-Nov-05 08:40

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	6.7 µg/kg dry			1	5110599	U
67-64-1	Acetone	253	135 µg/kg dry			1	"	VOC6
71-43-2	Benzene	1.5	6.7 µg/kg dry			1	"	J
78-93-3	2-Butanone (MEK)	179	67.3 µg/kg dry			1	"	VOC6
75-15-0	Carbon disulfide	1.0	33.7 µg/kg dry			1	"	J
56-23-5	Carbon tetrachloride	BRL	6.7 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	6.7 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	13.5 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	6.7 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	6.7 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	6.7 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	6.7 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	6.7 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	6.7 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	6.7 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	6.7 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	6.7 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	6.7 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	6.7 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	67.3 µg/kg dry			1	"	U
75-09-2	Methylene chloride	24.4	67.3 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.7 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	0.7	6.7 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	6.7 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	6.7 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	6.7 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	6.7 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	6.7 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	6.7 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	13.5 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	6.7 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	91.8	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	95.4	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	120	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	108	70-130 %				"	

Sample Identification
B7-7-4-4.5-110705
SA36885-29

Client Project #
5555113

Matrix
Soil

Collection Date/Time
07-Nov-05 13:45

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	6.6 µg/kg dry			1	5110599	U
67-64-1	Acetone	442	131 µg/kg dry			1	"	VOC6
71-43-2	Benzene	BRL	6.6 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	12.4	65.7 µg/kg dry			1	"	VOC6, J
75-15-0	Carbon disulfide	BRL	32.9 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	6.6 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	6.6 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	13.1 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	6.6 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	6.6 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	6.6 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	6.6 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	6.6 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	6.6 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	6.6 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	6.6 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	6.6 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	6.6 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	6.6 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	65.7 µg/kg dry			1	"	U
75-09-2	Methylene chloride	26.0	65.7 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.6 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	3.4	6.6 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	6.6 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	6.6 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	6.6 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	6.6 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	6.6 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	6.6 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	13.1 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	6.6 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	89.4	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	93.8	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	121	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	108	70-130 %				"	

Sample Identification
B7-8-12.5-13-110705
SA36885-30

Client Project #
5555113

Matrix
Soil

Collection Date/Time
07-Nov-05 11:55

Received
08-Nov-05

Method Ref.
VOC

Prepared
08-Nov-05

Analyzed
08-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110533	U
<i>Volatile Organic Compounds</i> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.6 µg/kg dry			1	5110599	U
67-64-1	Acetone	62.3	113 µg/kg dry			1	"	VOC6, J
71-43-2	Benzene	BRL	5.6 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	56.3 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	28.2 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	5.6 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	5.6 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	11.3 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	5.6 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	5.6 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.6 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.6 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.6 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.6 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.6 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.6 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.6 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.6 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	5.6 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	56.3 µg/kg dry			1	"	U
75-09-2	Methylene chloride	16.7	56.3 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.6 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	5.6 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	5.6 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.6 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.6 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	5.6 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	5.6 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.6 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	11.3 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	5.6 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	103	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	100	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	121	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	101	70-130 %				"	



**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA37123**

**14 Soil Samples
Collected November 8-10, 2005**

**Prepared by: Donald Anné
January 3, 2006**

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of TCL volatiles and lead analyses for 14 soil samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The “not detected” results for acetone were flagged as “unusable” (R) in 12 soil samples listed on the attached table, because the response factors were below the allowable minimum in the associated initial and/or continuing calibrations.
- The “not detected” results for 2-butanone were flagged as “unusable” (R) in 2 soil samples listed on the attached table, because the response factors were below the allowable minimum in the associated initial and continuing calibrations.
- The results for acetone were flagged as “estimated” (J) in 12 soil samples listed in the attached table, because the response factors were below the allowable minimum in the associated initial and/or continuing calibrations.
- The results for 2-butanone were flagged as “estimated” (J) in 8 soil samples listed on the attached table, because the response factors were below the allowable minimum in the associated initial and continuing calibrations.

- The results for o-xylene and m,p-xylene in sample B7-5-12-12.5-110805 were flagged as estimates (J) because the percent recoveries for these compounds were above QC limits in the associated LCS/LCSD.
- The result for m,p-xylene in sample B-7-11-3.5-4-111005 was flagged as estimated (J) because the percent recoveries for m,p-xylene were above QC limits in the associated LCS/LCSD.
- The results for lead in the following samples were flagged as estimates (J) because the percent recoveries for lead were outside control limits in the associated MS/MSD samples.

B7-5-9-9.5-110805

B7-5-12-12.5-110805

B7-5-14-14.5-110805

B7-5W-14-14.5-110805

B7-5S-3.5-4-110805

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

The “not detected” data that were qualified as “R” were associated with method-compliant calibrations, and the response factors for the two affected compounds were greater than 0.010. It is this reviewer’s opinion that although the validation guidelines recommend that the data should be considered unusable, the “R” data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.

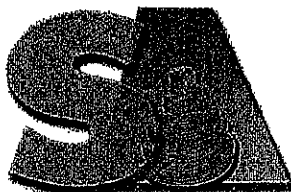
TABLE

DUSR SA37123

Summary of Flagged Data Due to Initial
and/or Continuing Calibrations

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>acetone</u>	<u>2-butanone</u>
SA37123-01	B7-1S-11-11.5-110905	R	
SA37123-02	B7-1N-9.5-10-110905	J	J
SA37123-03	B7-5-9-9.5-110805	J	
SA37123-04	B7-5-12-12.5-110805	J	J
SA37123-05	B7-5-14-14.5-110805	J	J
SA37123-06	B7-5N-9-9.5-110905	J	J
SA37123-07	B7-5S-3.5-4-110805	J	J
SA37123-08	B7-5E-9-9.5-110905	J	
SA37123-09	B7-5W-14-14.5-110805	R	
SA37123-10	B7-9-3.5-5-110905	J	J
SA37123-11	B7-10-8-10-111005	J	J
SA37123-12	DUP-1-111005	J	R
SA37123-13	B-7-11-8.5-9-111005	J	R
SA37123-14	B-7-11-3.5-4-111005	R	J
SA37123-02 RE	B7-1N-9.5-10-110905 RE	R	
SA37123-04 RE	B7-5-12-12.5-110805 RE	R	
SA37123-05 RE	B7-5-14-14.5-110805 RE	R	
SA37123-06 RE	B7-5N-9-9.5-110905 RE	R	
SA37123-07 RE	B7-5S-3.5-4-110805 RE	R	
SA37123-11 RE	B7-10-8-10-111005 RE	R	
SA37123-12 RE	DUP-1-111005 RE	R	
SA37123-13 RE	B-7-11-8.5-9-111005 RE	R	
SA37123-14 RE	B-7-11-3.5-4-111005 RE	R	
SA37123-10 RE	B7-9-3.5-5-110905 RE	J	

Report Date:
18-Nov-05 17:05



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: Atlas Park - Glendale Queens, NY
Project #: 5555113

☒ Final Report
☐ Re-Issued Report
☐ Revised Report

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA37123-01	B7-1S-11-11.5-110905	Soil	09-Nov-05 09:20	14-Nov-05 09:55
SA37123-02	B7-1N-9.5-10-110905	Soil	09-Nov-05 08:40	14-Nov-05 09:55
SA37123-03	B7-5-9-9.5-110805	Soil	08-Nov-05 11:45	14-Nov-05 09:55
SA37123-04	B7-5-12-12.5-110805	Soil	08-Nov-05 11:55	14-Nov-05 09:55
SA37123-05	B7-5-14-14.5-110805	Soil	08-Nov-05 12:05	14-Nov-05 09:55
SA37123-06	B7-5N-9-9.5-110905	Soil	09-Nov-05 08:00	14-Nov-05 09:55
SA37123-07	B7-5S-3.5-4-110805	Soil	08-Nov-05 15:05	14-Nov-05 09:55
SA37123-08	B7-5E-9-9.5-110905	Soil	09-Nov-05 14:22	14-Nov-05 09:55
SA37123-09	B7-5W-14-14.5-110805	Soil	08-Nov-05 14:35	14-Nov-05 09:55
SA37123-10	B7-9-3.5-5-110905	Soil	09-Nov-05 11:00	14-Nov-05 09:55
SA37123-11	B7-10-8-10-111005	Soil	10-Nov-05 10:45	14-Nov-05 09:55
SA37123-12	DUP-1-111005	Soil	10-Nov-05 00:00	14-Nov-05 09:55
SA37123-13	B-7-11-8.5-9-111005	Soil	10-Nov-05 08:50	14-Nov-05 09:55
SA37123-14	B-7-11-3.5-4-111005	Soil	10-Nov-05 08:45	14-Nov-05 09:55

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.

Please note that this report contains 98 pages of analytical data plus Chain of Custody document(s).

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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

ENVIRONMENTAL ANALYSES

11 Almgren Drive • Agawam, Massachusetts 01001 • Operational Building & Sample Receiving
830 Silver Street • Agawam, Massachusetts 01001 • Administrative Offices, Volatile & Air Departments
1-800-789-9115 • 413-789-9018 • Fax 413-789-4076



Data Validation
Environmental Chemistry
Lab and Field Audits
Sampling Plans

**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA37123
14 Soil Samples
Collected November 8-10, 2005**

Prepared by: Donald Anné
January 3, 2006

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required. The average RRF for acetone (0.018) was below the allowable minimum (0.050) for HP-1 on 10-18-05, but was greater than 0.010. The average RRF for 2-butanone (0.034) was below the allowable minimum (0.050) for HP-6 on 11-21-05, but was greater than 0.010. Positive results for these two compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %Ds for acetone (48.6%), dibromochloromethane (29.4%), 1,3-dichlorobenzene (31.3%), 2-hexanone (36.0%), 4-methyl-2-pentanone (40.6%), styrene (28.3%), and 1,2,4-trichlorobenzene (33.1%) were above the allowable maximum (25%) for HP-6 on 11-16-05 (CCV1115X.D). The %D for chloromethane (33.6%) was above the allowable maximum (25%) for HP-1 on 11-16-05 (lcs1116c.D). The %Ds for bromoform (34.8%) and dibromochloromethane (25.5%) were above the allowable maximum (25%) for HP-5 on 11-17-05 (ccc1117a.D). The %D for acetone (38.5%) was above the allowable maximum (25%) for HP-5 on 11-17-05 (ccc1117a.D). Positive results for these compounds should be considered estimates in associated samples.

The RRF50 for acetone (0.038) and 2-butanone (0.045) were below the allowable minimum (0.050) for HP-6 on 11-16-05 (CCV11115X.D), but was greater than 0.010. The RRF50 for acetone (0.017) was below the allowable minimum (0.050) for HP-1 on 11-16-05 (lcs1116c.D), but was greater than 0.010. The RRF50 for acetone (0.019) was below the allowable minimum (0.050) for HP-1 on 11-17-05 (ccc1117a.D), but was greater than 0.010. The RRF50 for acetone (0.032) was below the allowable minimum (0.050) for HP-5 on

Volatiles Data
Work Order SA37123

11-17-05 (ccc1117a.D), but was greater than 0.010. The RRF50 for acetone (0.017) was below the allowable minimum (0.050) for HP-1 on 11-17-05 (lcs1118b.D), but was greater than 0.010. Positive results for these two compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: The analyses of method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within QC limits for MS/MSD samples SA37177-04, SA37144-16, and B7-5-14-14.5-110805.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximums and the percent recoveries (%Rs) were within QC limits for LCS/LCSDs 5111167-BS, 5111179-BS, and 5111251-BS.

The RPDs for target compounds were below the allowable maximums, but the %R for chloromethane was above QC limits for LCS/LCSD 5111090-BS. The RPDs for target compounds were below the allowable maximums, but the %Rs for the following compounds were above QC limits for LCS/LCSD 5110981-BS.

dibromochloromethane	1,2-dichlorobenzene	1,2-dichloroethane
1,3-dichloropropane	4-methyl-2-pentanone	1,3-dichlorobenzene
1,1,2,2-tetrachloroethane	vinyl chloride	ethylbenzene
m,p-xylene	o-xylene	

Positive results for the above compounds should be considered estimates (J) in associated samples.

Field Duplicates: The relative percent difference for acetone (106%) was above the allowable maximum (35%) for field pair B7-10-8-10-111005 and DUP-1-111005. Results for acetone in these two samples should be considered estimates (J).

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

**QA/QC Review of Lead Data
for Spectrum Analytical, Inc.
Work Order SA37123
7 Soil Samples
Collected November 8-10, 2005**

Prepared by: Donald Anné
January 3, 2006

Holding Times: Samples were analyzed within the NYSDEC holding time.

Initial and Continuing Calibration Verification: The percent recoveries for lead were within control limits (90-110%).

Blanks: The analyses for initial and continuing calibration blanks reported lead as not detected.

ICP Interference Check Sample: The percent recoveries for lead were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries (%Rs) for lead (91.2% and 77.7%) were within control limits (75-125%) for MS/MSD sample B-7-11-3.5-4-111005.

One of two %Rs for lead (100% and 15.0%) was outside control limits (75-125%) for MS/MSD sample B7-9-3.5-5-110805. Two of two %Rs for lead (142% and 51.8%) were outside control limits (75-125%) for MS/MSD sample SA37177-04. Results for lead should be considered estimates (J) in associated samples.

Duplicates: The relative percent differences for lead were below the allowable maximum (35%) for duplicate samples B7-5-14-14.5-110805, DUP-1-111105, and SA37177-01, as required.

Field Duplicates: The relative percent difference for lead (5%) was below the allowable maximum (35%) for field pair B7-10-8-10-111005 and DUP-1-111005, as required (attached table).

Laboratory Control Sample: The percent recoveries for lead were within QC limits for batches 5110939, 5111194, and 5111096.

ICP Serial Dilution: The serial dilution data was not provided; therefore, %Ds could not be evaluated.

Percent Solids: The percent solids for soil samples were greater than 50%, as required.

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Volatiles & Lead

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. 5093024

S1= b7-10-8-10-111005

S2= dup1-111005

<u>Analyte</u>	<u>S1</u>	<u>S2</u>	<u>RPD (%)</u>
acetone	1390	428	106%
2-butanone	4.3	ND	NC
methylene chloride	8.3	4.6	NC
tetrachloroethene	0.4	0.5	NC
lead	3.63	3.83	5%

Bold results are below the RLs.

ND - Compound was reported as not detected.

NC - Not calculated, both results must be above the RL for valid %RPDs to be calculated.

Sample Identification
B7-1S-11-11.5-110905
SA37123-01

Client Project #
5555113

Matrix
Soil

Collection Date/Time
09-Nov-05 09:20

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5030 Soil (high level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	81.8 µg/kg dry			50	5111167	U
67-64-1	Acetone	BRL	1640 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	81.8 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	818 µg/kg dry			50	"	U
75-15-0	Carbon disulfide	BRL	409 µg/kg dry			50	"	U
56-23-5	Carbon tetrachloride	BRL	81.8 µg/kg dry			50	"	U
108-90-7	Chlorobenzene	BRL	81.8 µg/kg dry			50	"	U
75-00-3	Chloroethane	BRL	164 µg/kg dry			50	"	U
67-66-3	Chloroform	274	81.8 µg/kg dry			50	"	
124-48-1	Dibromochloromethane	BRL	81.8 µg/kg dry			50	"	U
95-50-1	1,2-Dichlorobenzene	BRL	81.8 µg/kg dry			50	"	U
541-73-1	1,3-Dichlorobenzene	BRL	81.8 µg/kg dry			50	"	U
106-46-7	1,4-Dichlorobenzene	BRL	81.8 µg/kg dry			50	"	U
75-34-3	1,1-Dichloroethane	BRL	81.8 µg/kg dry			50	"	U
107-06-2	1,2-Dichloroethane	BRL	81.8 µg/kg dry			50	"	U
75-35-4	1,1-Dichloroethene	BRL	81.8 µg/kg dry			50	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	81.8 µg/kg dry			50	"	U
142-28-9	1,3-Dichloropropane	BRL	81.8 µg/kg dry			50	"	U
100-41-4	Ethylbenzene	BRL	81.8 µg/kg dry			50	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	818 µg/kg dry			50	"	U
75-09-2	Methylene chloride	BRL	818 µg/kg dry			50	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	81.8 µg/kg dry			50	"	U
127-18-4	Tetrachloroethene	BRL	81.8 µg/kg dry			50	"	U
108-88-3	Toluene	BRL	81.8 µg/kg dry			50	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	81.8 µg/kg dry			50	"	U
71-55-6	1,1,1-Trichloroethane	BRL	81.8 µg/kg dry			50	"	U
79-01-6	Trichloroethene	BRL	81.8 µg/kg dry			50	"	U
96-18-4	1,2,3-Trichloropropane	BRL	81.8 µg/kg dry			50	"	U
75-01-4	Vinyl chloride	BRL	81.8 µg/kg dry			50	"	U
1330-20-7	m,p-Xylene	BRL	164 µg/kg dry			50	"	U
95-47-6	o-Xylene	BRL	81.8 µg/kg dry			50	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	105	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	108	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.8	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	100	70-130 %				"	

Sample Identification
B7-1N-9.5-10-110905
SA37123-02

Client Project #
5555113

Matrix
Soil

Collection Date/Time
09-Nov-05 08:40

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	6.3 µg/kg dry			1	5110981	U
67-64-1	Acetone	1,860	127 µg/kg dry			1	"	VOC6
71-43-2	Benzene	BRL	6.3 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	12.6	63.3 µg/kg dry			1	"	VOC6, J
75-15-0	Carbon disulfide	BRL	31.7 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	10.0	6.3 µg/kg dry			1	"	
108-90-7	Chlorobenzene	BRL	6.3 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	12.7 µg/kg dry			1	"	U
67-66-3	Chloroform	74.5	6.3 µg/kg dry			1	"	
124-48-1	Dibromochloromethane	BRL	6.3 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	6.3 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	6.3 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	6.3 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	6.3 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	6.3 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	6.3 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	6.3 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	6.3 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	6.3 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	63.3 µg/kg dry			1	"	U
75-09-2	Methylene chloride	9.6	63.3 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.3 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	3.6	6.3 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	6.3 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	6.3 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	0.8	6.3 µg/kg dry			1	"	J
79-01-6	Trichloroethene	0.7	6.3 µg/kg dry			1	"	J
96-18-4	1,2,3-Trichloropropane	BRL	6.3 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	6.3 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	12.7 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	6.3 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	103	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	103	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	119	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	106	70-130 %				"	

Volatile Organic Compounds RE

Prepared by method SW846 5030 Soil (high level)

SA37123-02RE1

76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	73.8 µg/kg dry			50	5111179	U
67-64-1	Acetone	BRL	1480 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	73.8 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	738 µg/kg dry			50	"	U

Sample Identification

B7-5-9-5-110805

SA37123-03

Client Project #

5555113

Matrix

Soil

Collection Date/Time

08-Nov-05 11:45

Received

14-Nov-05

Method Ref.

VOC

Prepared

14-Nov-05

Analyzed

14-Nov-05

Analyst

YM

<u>CAS No.</u>	<u>Analyte(s)</u>	<u>Result</u>	<u>*RDL/Units</u>	<u>RT</u>	<u>Q</u>	<u>Dilution</u>	<u>Batch</u>	<u>Flag</u>
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u>		Prepared by method SW846 5030 Soil (high level)						R-05
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	734 µg/kg dry			500	5111090	U
67-64-1	Acetone	9,740	14700 µg/kg dry			500	"	J
71-43-2	Benzene	BRL	734 µg/kg dry			500	"	U
78-93-3	2-Butanone (MEK)	BRL	7340 µg/kg dry			500	"	U
75-15-0	Carbon disulfide	BRL	3670 µg/kg dry			500	"	U
56-23-5	Carbon tetrachloride	BRL	734 µg/kg dry			500	"	U
108-90-7	Chlorobenzene	BRL	734 µg/kg dry			500	"	U
75-00-3	Chloroethane	BRL	1470 µg/kg dry			500	"	U
67-66-3	Chloroform	514	734 µg/kg dry			500	"	J
124-48-1	Dibromochloromethane	BRL	734 µg/kg dry			500	"	U
95-50-1	1,2-Dichlorobenzene	BRL	734 µg/kg dry			500	"	U
541-73-1	1,3-Dichlorobenzene	BRL	734 µg/kg dry			500	"	U
106-46-7	1,4-Dichlorobenzene	BRL	734 µg/kg dry			500	"	U
75-34-3	1,1-Dichloroethane	BRL	734 µg/kg dry			500	"	U
107-06-2	1,2-Dichloroethane	BRL	734 µg/kg dry			500	"	U
75-35-4	1,1-Dichloroethene	BRL	734 µg/kg dry			500	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	734 µg/kg dry			500	"	U
142-28-9	1,3-Dichloropropane	BRL	734 µg/kg dry			500	"	U
100-41-4	Ethylbenzene	418	734 µg/kg dry			500	"	J
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	7340 µg/kg dry			500	"	U
75-09-2	Methylene chloride	BRL	7340 µg/kg dry			500	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	734 µg/kg dry			500	"	U
127-18-4	Tetrachloroethene	BRL	734 µg/kg dry			500	"	U
108-88-3	Toluene	BRL	734 µg/kg dry			500	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	734 µg/kg dry			500	"	U
71-55-6	1,1,1-Trichloroethane	BRL	734 µg/kg dry			500	"	U
79-01-6	Trichloroethene	BRL	734 µg/kg dry			500	"	U
96-18-4	1,2,3-Trichloropropane	BRL	734 µg/kg dry			500	"	U
75-01-4	Vinyl chloride	BRL	734 µg/kg dry			500	"	U
1330-20-7	m,p-Xylene	3,470	1470 µg/kg dry			500	"	
95-47-6	o-Xylene	4,120	734 µg/kg dry			500	"	
460-00-4	Surrogate: 4-Bromofluorobenzene	104	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	111	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	117	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	109	70-130 %				"	

Sample Identification
B7-5-12-12.5-110805
SA37123-04

Client Project #
5555113

Matrix
Soil

Collection Date/Time
08-Nov-05 11:55

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u>								
Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	6.2 µg/kg dry			1	5110981	U
67-64-1	Acetone	330	125 µg/kg dry			1	"	VOC6
71-43-2	Benzene	BRL	6.2 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	12.5	62.4 µg/kg dry			1	"	VOC6, J
75-15-0	Carbon disulfide	BRL	31.2 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	1.0	6.2 µg/kg dry			1	"	J
108-90-7	Chlorobenzene	BRL	6.2 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	12.5 µg/kg dry			1	"	U
67-66-3	Chloroform	10.0	6.2 µg/kg dry			1	"	
124-48-1	Dibromochloromethane	BRL	6.2 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	6.2 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	6.2 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	6.2 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	6.2 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	6.2 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	6.2 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	6.2 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	6.2 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	6.2 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	62.4 µg/kg dry			1	"	U
75-09-2	Methylene chloride	6.9	62.4 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	6.2 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	3.2	6.2 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	6.2 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	6.2 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	6.2 µg/kg dry			1	"	U
79-01-6	Trichloroethene	1.0	6.2 µg/kg dry			1	"	J
96-18-4	1,2,3-Trichloropropane	BRL	6.2 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	6.2 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	3.6	12.5 µg/kg dry			1	"	J
95-47-6	o-Xylene	4.8	6.2 µg/kg dry			1	"	J
460-00-4	Surrogate: 4-Bromofluorobenzene	112	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	104	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	101	70-130 %				"	

Volatile Organic Compounds RE

Prepared by method SW846 5030 Soil (high level)

SA37123-04RE1

76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	73.0 µg/kg dry	50	5111179	U
67-64-1	Acetone	BRL	1460 µg/kg dry	50	"	U
71-43-2	Benzene	BRL	73.0 µg/kg dry	50	"	U
78-93-3	2-Butanone (MEK)	BRL	730 µg/kg dry	50	"	U

Sample Identification
B7-5-14-14.5-110805
SA37123-05

Client Project #
5555113

Matrix
Soil

Collection Date/Time
08-Nov-05 12:05

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u>								
		Prepared by method	SW846 5035A Soil (low level)					VOC10
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.6 µg/kg dry			1	5110981	U
67-64-1	Acetone	387	92.4 µg/kg dry			1	"	VOC6
71-43-2	Benzene	BRL	4.6 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	9.6	46.2 µg/kg dry			1	"	VOC6, J
75-15-0	Carbon disulfide	BRL	23.1 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	4.6 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	4.6 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	9.2 µg/kg dry			1	"	U
67-66-3	Chloroform	0.5	4.6 µg/kg dry			1	"	J
124-48-1	Dibromochloromethane	BRL	4.6 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.6 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.6 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.6 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.6 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.6 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.6 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.6 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.6 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.6 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	46.2 µg/kg dry			1	"	U
75-09-2	Methylene chloride	5.4	46.2 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.6 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	0.9	4.6 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	4.6 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	4.6 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.6 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	4.6 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	4.6 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.6 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	9.2 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	4.6 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	105	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	
<u>Volatile Organic Compounds</u>								
		Prepared by method	SW846 5030 Soil (high level)				SA37123-05RE1	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	53.1 µg/kg dry			50	5111179	U
67-64-1	Acetone	BRL	1060 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	53.1 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	531 µg/kg dry			50	"	U

Sample Identification
B7-5N-9-9.5-110905
SA37123-06

Client Project #
5555113

Matrix
Soil

Collection Date/Time
09-Nov-05 08:00

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u>		Prepared by method SW846 5035A Soil (low level)						VOC10
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.4 µg/kg dry			1	5110981	U
67-64-1	Acetone	615	107 µg/kg dry			1	"	VOC6
71-43-2	Benzene	BRL	5.4 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	9.4	53.6 µg/kg dry			1	"	VOC6, J
75-15-0	Carbon disulfide	BRL	26.8 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	2.9	5.4 µg/kg dry			1	"	J
108-90-7	Chlorobenzene	BRL	5.4 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	10.7 µg/kg dry			1	"	U
67-66-3	Chloroform	15.5	5.4 µg/kg dry			1	"	
124-48-1	Dibromochloromethane	BRL	5.4 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.4 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.4 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.4 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.4 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.4 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	5.4 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	53.6 µg/kg dry			1	"	U
75-09-2	Methylene chloride	8.2	53.6 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.4 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	10.1	5.4 µg/kg dry			1	"	
108-88-3	Toluene	BRL	5.4 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.4 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	5.4 µg/kg dry			1	"	U
79-01-6	Trichloroethene	4.7	5.4 µg/kg dry			1	"	J
96-18-4	1,2,3-Trichloropropane	BRL	5.4 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.4 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	10.7 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	5.4 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	104	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	
<u>Volatile Organic Compounds</u>		RE	Prepared by method SW846 5030 Soil (high level)					
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	63.7 µg/kg dry			50	5111179	U
67-64-1	Acetone	BRL	1270 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	63.7 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	637 µg/kg dry			50	"	U

Sample Identification
B7-5S-3.5-4-110805
SA37123-07

Client Project #
5555113

Matrix
Soil

Collection Date/Time
08-Nov-05 15:05

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.0 µg/kg dry			1	5110981	VOC10 U
67-64-1	Acetone	264	80.9 µg/kg dry			1	"	VOC6 J
71-43-2	Benzene	0.9	4.0 µg/kg dry			1	"	VOC6, J
78-93-3	2-Butanone (MEK)	7.1	40.5 µg/kg dry			1	"	J
75-15-0	Carbon disulfide	0.7	20.2 µg/kg dry			1	"	J
56-23-5	Carbon tetrachloride	0.5	4.0 µg/kg dry			1	"	J
108-90-7	Chlorobenzene	BRL	4.0 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	8.1 µg/kg dry			1	"	U
67-66-3	Chloroform	15.9	4.0 µg/kg dry			1	"	
124-48-1	Dibromochloromethane	BRL	4.0 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.0 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.0 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.0 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.0 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.0 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.0 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.0 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.0 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.0 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	40.5 µg/kg dry			1	"	U
75-09-2	Methylene chloride	2.3	40.5 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.0 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	4.0 µg/kg dry			1	"	U
108-88-3	Toluene	0.7	4.0 µg/kg dry			1	"	J
120-82-1	1,2,4-Trichlorobenzene	BRL	4.0 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.0 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	4.0 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	4.0 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.0 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	8.1 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	4.0 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	105	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	103	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	

<u>Volatile Organic Compounds</u> RE Prepared by method SW846 5030 Soil (high level) SA37123-07RE1								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	58.9 µg/kg dry			50	5111179	U
67-64-1	Acetone	BRL	1180 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	58.9 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	589 µg/kg dry			50	"	U

Sample Identification
B7-5E-9-5.110905
SA37123-08

Client Project #
5555113

Matrix
Soil

Collection Date/Time
09-Nov-05 14:22

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u>		Prepared by method SW846 5030 Soil (high level)						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	63.8 µg/kg dry			50	5111167	U
67-64-1	Acetone	704	1280 µg/kg dry			50	"	J
71-43-2	Benzene	BRL	63.8 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	63.8 µg/kg dry			50	"	U
75-15-0	Carbon disulfide	BRL	319 µg/kg dry			50	"	U
56-23-5	Carbon tetrachloride	5,460	63.8 µg/kg dry			50	"	
108-90-7	Chlorobenzene	BRL	63.8 µg/kg dry			50	"	U
75-00-3	Chloroethane	BRL	128 µg/kg dry			50	"	U
67-66-3	Chloroform	19,300	63.8 µg/kg dry			50	"	
124-48-1	Dibromochloromethane	BRL	63.8 µg/kg dry			50	"	U
95-50-1	1,2-Dichlorobenzene	BRL	63.8 µg/kg dry			50	"	U
541-73-1	1,3-Dichlorobenzene	BRL	63.8 µg/kg dry			50	"	U
106-46-7	1,4-Dichlorobenzene	BRL	63.8 µg/kg dry			50	"	U
75-34-3	1,1-Dichloroethane	BRL	63.8 µg/kg dry			50	"	U
107-06-2	1,2-Dichloroethane	BRL	63.8 µg/kg dry			50	"	U
75-35-4	1,1-Dichloroethene	BRL	63.8 µg/kg dry			50	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	63.8 µg/kg dry			50	"	U
142-28-9	1,3-Dichloropropane	BRL	63.8 µg/kg dry			50	"	U
100-41-4	Ethylbenzene	BRL	63.8 µg/kg dry			50	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	63.8 µg/kg dry			50	"	U
75-09-2	Methylene chloride	34.4	63.8 µg/kg dry			50	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	63.8 µg/kg dry			50	"	U
127-18-4	Tetrachloroethene	374	63.8 µg/kg dry			50	"	
108-88-3	Toluene	BRL	63.8 µg/kg dry			50	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	63.8 µg/kg dry			50	"	U
71-55-6	1,1,1-Trichloroethane	34.4	63.8 µg/kg dry			50	"	J
79-01-6	Trichloroethene	1,370	63.8 µg/kg dry			50	"	
96-18-4	1,2,3-Trichloropropane	BRL	63.8 µg/kg dry			50	"	U
75-01-4	Vinyl chloride	BRL	63.8 µg/kg dry			50	"	U
1330-20-7	m,p-Xylene	40.2	128 µg/kg dry			50	"	J
95-47-6	o-Xylene	BRL	63.8 µg/kg dry			50	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	103	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	106	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification
B7-5W-14-14.5-110805
SA37123-09

Client Project #
5555113

Matrix
Soil

Collection Date/Time
08-Nov-05 14:35

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u>		Prepared by method SW846 5030 Soil (high level)						VOC8
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	72.1 µg/kg dry			50	5111167	U
67-64-1	Acetone	BRL	1440 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	72.1 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	72.1 µg/kg dry			50	"	U
75-15-0	Carbon disulfide	BRL	361 µg/kg dry			50	"	U
56-23-5	Carbon tetrachloride	BRL	72.1 µg/kg dry			50	"	U
108-90-7	Chlorobenzene	BRL	72.1 µg/kg dry			50	"	U
75-00-3	Chloroethane	BRL	144 µg/kg dry			50	"	U
67-66-3	Chloroform	49.8	72.1 µg/kg dry			50	"	J
124-48-1	Dibromochloromethane	BRL	72.1 µg/kg dry			50	"	U
95-50-1	1,2-Dichlorobenzene	BRL	72.1 µg/kg dry			50	"	U
541-73-1	1,3-Dichlorobenzene	BRL	72.1 µg/kg dry			50	"	U
106-46-7	1,4-Dichlorobenzene	BRL	72.1 µg/kg dry			50	"	U
75-34-3	1,1-Dichloroethane	BRL	72.1 µg/kg dry			50	"	U
107-06-2	1,2-Dichloroethane	BRL	72.1 µg/kg dry			50	"	U
75-35-4	1,1-Dichloroethene	BRL	72.1 µg/kg dry			50	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	72.1 µg/kg dry			50	"	U
142-28-9	1,3-Dichloropropane	BRL	72.1 µg/kg dry			50	"	U
100-41-4	Ethylbenzene	BRL	72.1 µg/kg dry			50	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	72.1 µg/kg dry			50	"	U
75-09-2	Methylene chloride	BRL	72.1 µg/kg dry			50	"	U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	72.1 µg/kg dry			50	"	U
127-18-4	Tetrachloroethene	57.7	72.1 µg/kg dry			50	"	J
108-88-3	Toluene	BRL	72.1 µg/kg dry			50	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	72.1 µg/kg dry			50	"	U
71-55-6	1,1,1-Trichloroethane	BRL	72.1 µg/kg dry			50	"	U
79-01-6	Trichloroethene	BRL	72.1 µg/kg dry			50	"	U
96-18-4	1,2,3-Trichloropropane	BRL	72.1 µg/kg dry			50	"	U
75-01-4	Vinyl chloride	BRL	72.1 µg/kg dry			50	"	U
1330-20-7	m,p-Xylene	BRL	144 µg/kg dry			50	"	U
95-47-6	o-Xylene	BRL	72.1 µg/kg dry			50	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	101	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	107	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Sample Identification
B7-9-3.5-5-110905
SA37123-10

Client Project #
5555113

Matrix
Soil

Collection Date/Time
09-Nov-05 11:00

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
VOC Extraction		Lab extracted	N/A			1	5110938	U
<i>Volatile Organic Compounds</i> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.0 µg/kg dry			1	5110981	U
67-64-1	Acetone	3,620	101 µg/kg dry			1	"	VOC6
71-43-2	Benzene	0.6	5.0 µg/kg dry			1	"	J
78-93-3	2-Butanone (MEK)	8.9	50.3 µg/kg dry			1	"	VOC6, J
75-15-0	Carbon disulfide	BRL	25.1 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	5.0 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	5.0 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	10.1 µg/kg dry			1	"	U
67-66-3	Chloroform	0.9	5.0 µg/kg dry			1	"	J
124-48-1	Dibromochloromethane	BRL	5.0 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	5.0 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	5.0 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	5.0 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	5.0 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	5.0 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	5.0 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	5.0 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	5.0 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	5.0 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	50.3 µg/kg dry			1	"	U
75-09-2	Methylene chloride	5.2	50.3 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.0 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	0.7	5.0 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	5.0 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	5.0 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	0.6	5.0 µg/kg dry			1	"	J
79-01-6	Trichloroethene	BRL	5.0 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	5.0 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	5.0 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	10.1 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	5.0 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	94.4	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	101	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	105	70-130 %				"	

Volatile Organic Compounds

RE

Prepared by method SW846 5030 Soil (high level)

SA37123-10RE1

76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	58.3 µg/kg dry			50	5111179	U
67-64-1	Acetone	638	1170 µg/kg dry			50	"	J
71-43-2	Benzene	BRL	58.3 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	583 µg/kg dry			50	"	U

Sample Identification

B7-10-8-10-111005

SA37123-11

Client Project #

5555113

Matrix

Soil

Collection Date/Time

10-Nov-05 10:45

Received

14-Nov-05

Method Ref.

VOC

Prepared

14-Nov-05

Analyzed

14-Nov-05

Analyst

YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.2 µg/kg dry			1	5110981	VOC10 U
67-64-1	Acetone	1,390	84.7 µg/kg dry			1	"	VOC6 U
71-43-2	Benzene	BRL	4.2 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	4.3	42.3 µg/kg dry			1	"	VOC6, J U
75-15-0	Carbon disulfide	BRL	21.2 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	4.2 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	4.2 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	8.5 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	4.2 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	4.2 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.2 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.2 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.2 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.2 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.2 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.2 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.2 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.2 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.2 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	42.3 µg/kg dry			1	"	U
75-09-2	Methylene chloride	8.3	42.3 µg/kg dry			1	"	VOC3, J U
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.2 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	0.4	4.2 µg/kg dry			1	"	J U
108-88-3	Toluene	BRL	4.2 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	4.2 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.2 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	4.2 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	4.2 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.2 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	8.5 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	4.2 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	106	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	104	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	102	70-130 %				"	

Volatile Organic Compounds

RE

Prepared by method SW846 5030 Soil (high level)

SA37123-11RE1

76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	63.1 µg/kg dry			50	5111179	U
67-64-1	Acetone	BRL	1260 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	63.1 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	631 µg/kg dry			50	"	U

Sample Identification

DUP-1-111005

SA37123-12

Client Project #

5555113

Matrix

Soil

Collection Date/Time

10-Nov-05 00:00

Received

14-Nov-05

Method Ref.

VOC

Prepared

14-Nov-05

Analyzed

14-Nov-05

Analyst

YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u> Prepared by method SW846 5035A Soil (low level)								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.8 µg/kg dry			1	5110981	U
67-64-1	Acetone	428	96.9 µg/kg dry			1	"	VOC6
71-43-2	Benzene	BRL	4.8 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	48.5 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	24.2 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	4.8 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	4.8 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	9.7 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	4.8 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	4.8 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.8 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.8 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.8 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.8 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.8 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.8 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.8 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.8 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.8 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	48.5 µg/kg dry			1	"	U
75-09-2	Methylene chloride	4.6	48.5 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.8 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	0.5	4.8 µg/kg dry			1	"	J
108-88-3	Toluene	BRL	4.8 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	4.8 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.8 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	4.8 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	4.8 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.8 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	9.7 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	4.8 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	107	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	103	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	103	70-130 %				"	
<u>Volatile Organic Compounds</u> RE Prepared by method SW846 5030 Soil (high level) SA37123-12RE1								
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	56.2 µg/kg dry			50	5111251	U
67-64-1	Acetone	BRL	1120 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	56.2 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	55.1	562 µg/kg dry			50	"	O-01, J

Sample Identification
B-7-11-8.5-9-111005
SA37123-13

Client Project #
5555113

Matrix
Soil

Collection Date/Time
10-Nov-05 08:50

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
VOC Extraction		Lab extracted	N/A			1	5110938	U
<u>Volatile Organic Compounds</u>		Prepared by method SW846 5035A Soil (low level)						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	7.6 µg/kg dry			1	5110981	U
67-64-1	Acetone	1,020	152 µg/kg dry			1	"	VOC6
71-43-2	Benzene	BRL	7.6 µg/kg dry			1	"	U
78-93-3	2-Butanone (MEK)	BRL	75.8 µg/kg dry			1	"	U
75-15-0	Carbon disulfide	BRL	37.9 µg/kg dry			1	"	U
56-23-5	Carbon tetrachloride	BRL	7.6 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	7.6 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	15.2 µg/kg dry			1	"	U
67-66-3	Chloroform	0.8	7.6 µg/kg dry			1	"	J
124-48-1	Dibromochloromethane	BRL	7.6 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	7.6 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	7.6 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	7.6 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	7.6 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	7.6 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	7.6 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	7.6 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	7.6 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	7.6 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	75.8 µg/kg dry			1	"	U
75-09-2	Methylene chloride	5.9	75.8 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	7.6 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	7.6 µg/kg dry			1	"	U
108-88-3	Toluene	BRL	7.6 µg/kg dry			1	"	U
120-82-1	1,2,4-Trichlorobenzene	BRL	7.6 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	7.6 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	7.6 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	7.6 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	7.6 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	BRL	15.2 µg/kg dry			1	"	U
95-47-6	o-Xylene	BRL	7.6 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	108	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	104	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	101	70-130 %				"	
<u>Volatile Organic Compounds</u>		Prepared by method SW846 5030 Soil (high level)						
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	78.8 µg/kg dry			50	5111251	U
67-64-1	Acetone	BRL	1580 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	78.8 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	71.7	788 µg/kg dry			50	"	J

Sample Identification
B-7-11-3.5-4-111005
SA37123-14

Client Project #
5555113

Matrix
Soil

Collection Date/Time
10-Nov-05 08:45

Received
14-Nov-05

Method Ref.
VOC

Prepared
14-Nov-05

Analyzed
14-Nov-05

Analyst
YM

CAS No.	Analyte(s)	Result	*RDL/Units	RT	Q	Dilution	Batch	Flag
Volatile Organic Compounds								
	VOC Extraction	Lab extracted	N/A			1	5110938	U
Volatile Organic Compounds								
		Prepared by method	SW846 5035A Soil (low level)					VOC10
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	4.9 µg/kg dry			1	5110981	U
67-64-1	Acetone	BRL	98.3 µg/kg dry			1	"	U
71-43-2	Benzene	0.6	4.9 µg/kg dry			1	"	J
78-93-3	2-Butanone (MEK)	7.9	49.1 µg/kg dry			1	"	VOC6, J
75-15-0	Carbon disulfide	0.6	24.6 µg/kg dry			1	"	J
56-23-5	Carbon tetrachloride	BRL	4.9 µg/kg dry			1	"	U
108-90-7	Chlorobenzene	BRL	4.9 µg/kg dry			1	"	U
75-00-3	Chloroethane	BRL	9.8 µg/kg dry			1	"	U
67-66-3	Chloroform	BRL	4.9 µg/kg dry			1	"	U
124-48-1	Dibromochloromethane	BRL	4.9 µg/kg dry			1	"	U
95-50-1	1,2-Dichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
541-73-1	1,3-Dichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
106-46-7	1,4-Dichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
75-34-3	1,1-Dichloroethane	BRL	4.9 µg/kg dry			1	"	U
107-06-2	1,2-Dichloroethane	BRL	4.9 µg/kg dry			1	"	U
75-35-4	1,1-Dichloroethene	BRL	4.9 µg/kg dry			1	"	U
156-60-5	trans-1,2-Dichloroethene	BRL	4.9 µg/kg dry			1	"	U
142-28-9	1,3-Dichloropropane	BRL	4.9 µg/kg dry			1	"	U
100-41-4	Ethylbenzene	BRL	4.9 µg/kg dry			1	"	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1.5	49.1 µg/kg dry			1	"	VOC6, J
75-09-2	Methylene chloride	4.3	49.1 µg/kg dry			1	"	VOC3, J
79-34-5	1,1,2,2-Tetrachloroethane	BRL	4.9 µg/kg dry			1	"	U
127-18-4	Tetrachloroethene	BRL	4.9 µg/kg dry			1	"	U
108-88-3	Toluene	2.3	4.9 µg/kg dry			1	"	J
120-82-1	1,2,4-Trichlorobenzene	BRL	4.9 µg/kg dry			1	"	U
71-55-6	1,1,1-Trichloroethane	BRL	4.9 µg/kg dry			1	"	U
79-01-6	Trichloroethene	BRL	4.9 µg/kg dry			1	"	U
96-18-4	1,2,3-Trichloropropane	BRL	4.9 µg/kg dry			1	"	U
75-01-4	Vinyl chloride	BRL	4.9 µg/kg dry			1	"	U
1330-20-7	m,p-Xylene	1.2	9.8 µg/kg dry			1	"	J
95-47-6	o-Xylene	BRL	4.9 µg/kg dry			1	"	U
460-00-4	Surrogate: 4-Bromofluorobenzene	96.6	70-130 %				"	
2037-26-5	Surrogate: Toluene-d8	101	70-130 %				"	
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113	70-130 %				"	
1868-53-7	Surrogate: Dibromofluoromethane	106	70-130 %				"	
Volatile Organic Compounds RE								
		Prepared by method	SW846 5030 Soil (high level)				SA37123-14RE1	
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	67.9 µg/kg dry			50	5111251	U
67-64-1	Acetone	BRL	1360 µg/kg dry			50	"	U
71-43-2	Benzene	BRL	67.9 µg/kg dry			50	"	U
78-93-3	2-Butanone (MEK)	BRL	679 µg/kg dry			50	"	U

Sample Identification

B7-5-9-9.5-110805

SA37123-03

Client Project #

5555113

Matrix

Soil

Collection Date/Time

08-Nov-05 11:45

Received

14-Nov-05

Method Ref.

SW846 6010B

Prepared


15-Nov-05

Analyzed

17-Nov-05

Analyst

HB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Total Metals by EPA 6000/7000 Series Methods								
7439-92-1	Lead	476 	0.853 mg/kg dry			1	5110939	

Sample Identification
B7-5-12-12.5-110805
SA37123-04

Client Project #
5555113

Matrix
Soil

Collection Date/Time
08-Nov-05 11:55


Received
14-Nov-05

Method Ref.
SW846 6010B

Prepared
15-Nov-05

Analyzed
17-Nov-05

Analyst
HB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Total Metals by EPA 6000/7000 Series Methods								
7439-92-1	Lead	22.9 	0.868 mg/kg dry			1	5110939	

Sample Identification
B7-5-14-14.5-110805
SA37123-05

Client Project #
5555113

Matrix
Soil

Collection Date/Time
08-Nov-05 12:05


Received
14-Nov-05

Method Ref.
SW846 6010B

Prepared
15-Nov-05

Analyzed
17-Nov-05

Analyst
HB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Total Metals by EPA 6000/7000 Series Methods								
7439-92-1	Lead	4.69 	0.786 mg/kg dry			1	5110939	

Sample Identification

B7-5S-3.5-4-110805

SA37123-07

Client Project #

5555113

Matrix

Soil

Collection Date/Time

08-Nov-05 15:05

Received

14-Nov-05

Method Ref.

SW846 6010B

Prepared


16-Nov-05

Analyzed

17-Nov-05

Analyst

RE

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Total Metals by EPA 6000/7000 Series Methods								
7439-92-1	Lead	56.4 	0.784 mg/kg dry			1	5111194	

Sample Identification
B7-SW-14-14.5-110805
SA37123-09

Client Project #
5555113

Matrix
Soil

Collection Date/Time
08-Nov-05 14:35


Received
14-Nov-05

Method Ref.
SW846 6010B

Prepared
15-Nov-05

Analyzed
17-Nov-05

Analyst
HB

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>*RDL/Units</i>	<i>RT</i>	<i>Q</i>	<i>Dilution</i>	<i>Batch</i>	<i>Flag</i>
Total Metals by EPA 6000/7000 Series Methods								
7439-92-1	Lead	86.5 	0.897 mg/kg dry			1	5110939	



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA39969
10 Soil Samples
Collected January 25, 2006**

Prepared by: Donald Anné
March 24, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, PCB, pesticide, herbicide, metal and cyanide analyses for 10 soil samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The “not detected” volatile results for acetone in samples EP-B3F-1 and EP-B3F-2 were flagged as “unusable” (R) because the response factors were below the allowable minimum in the associated initial and continuing calibrations.
- The positive volatile results for acetone in the following samples were flagged as “estimated” (J) because the response factors were below the allowable minimum in the associated initial and continuing calibrations.

EP-B3F-3	EP-B3F-4	EP-B3F-5	EP-B3F-6
EP-B3F-7	EP-B3F-8	EP-B3F-9	EP-B3F-10
- The “not detected” semi-volatile results for benzoic acid in all ten soil samples were flagged as “estimated” (J) because the percent recovery for benzoic acid was below the QC limits in LCS 6011377-BS1.
- All results for antimony, arsenic, barium and mercury were flagged as “estimated” (J) in the ten soil samples because the percent recoveries for these metals were below control limits (75-125%) but were greater than 10% in MS/MSD sample SA39967-02.

- Positive results for lead, copper, and potassium were flagged as “estimated” (J) in the ten soil samples because the relative percent differences for these metals were above the allowable maximum (35%) in duplicate sample SA39967-02.
- All results for sodium were flagged as “estimated” (J) in the ten soil samples because the percent recovery for sodium was below control limits (80-120%) in laboratory control sample 6011337-BS1.
- All results for iron were flagged as “estimated” (J) in the ten soil samples because the percent recoveries for iron were below QC limits in standard reference material samples 6011337-SRM1 and 6011337-SMR2.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

It should be noted that the “not detected” acetone data were qualified as “R” based on validation criteria alone. These data, however, were associated with method-compliant calibrations, and the response factors for acetone greater than 0.010 (the method-compliant allowable minimum). It is this reviewer’s opinion that, although the validation guidelines recommend that the data should be considered unusable, the “R” data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.



Geology

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Remediation

Water Supply

**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA39969
10 Soil Samples
Collected January 25, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required.

The average RRF for acetone (0.032) was below the allowable minimum (0.050) for HPV4 on 01-17-06, but was greater than 0.010 (the method-compliant allowable minimum). Positive results for acetone should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %D for acetone (62.9%) was above the allowable maximum (25%) on 01-27-06 (lcs0127a.D). Positive results for acetone should be considered estimates (J) in associated samples.

The RRF50 for acetone (0.023) was below the allowable minimum (0.050), but was greater than 0.010 on 01-27-05 (lcs0127a.D). Positive results for acetone should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, and the percent recoveries were within control limits for MS/MSD sample SA40242-06. Note: The associated MS/MSD data is from work order no. SA40242.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximums, but 1 of 2 %Rs for 1,2,4-trichlorobenzene was above QC limits for LCS/LCSD 6011397-BS1. Positive results for 1,2,4-trichlorobenzene should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



Geology

Hydrology

Remediation

Water Supply

**QA/QC Review of Semi-Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA39969
10 Soil Samples
Collected January 25, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF100s for target compounds were above the allowable minimum (0.050), as required.

The %D for hexachlorocyclopentadiene (27.7%) was above the allowable maximum (25%) on 01-28-06 (SC50127.D). Positive results for hexachlorocyclopentadiene should be considered estimates (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three acid extractable surrogate recoveries for sample EP-B3F-5 and EP-B3F-8 was below control limits, but was not less than 10%. No action is taken for one surrogate recovery per fraction outside control limits, provided no recovery is less than 10%.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within control limits for MS/MSD sample SA39970-05.

Semi-Volatiles Data
Work Order SA39969

Duplicate: The analyses of sample and duplicate SA39970-05 reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the laboratory duplicates were acceptable.

Laboratory Control Sample: The percent recovery for benzoic acid was below QC limits for LCS sample 6011377-BS1. All results for benzoic acid should be considered estimates (J) in associated soil samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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**QA/QC Review of Pesticide Data
for Spectrum Analytical, Inc.
Work Order SA39969
10 Soil Samples
Collected January 25, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for MS/MSD sample EP-B3F-10.

Duplicate: The sample and duplicate analyses for sample EP-B3F-10 reported target pesticides as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Laboratory Control Sample: The percent recoveries for target pesticides were within QC limits for LCS sample 6011382-BS1.

Initial Calibration: The %RSDs for applicable target pesticides were below the allowable maximum (20%), or the correlation coefficients were above the allowable minimums, as required.

Continuing Calibration: The percent recoveries for target pesticides were within QC limits (85-115%).

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

Pesticide Identification Summary for Single Component Analytes: Checked surrogate results were within GC quantitation limits. The detections of single component pesticide were confirmed on a second dissimilar column..

Pesticide Identification Summary for Multicomponent Analytes: There were no detected concentrations of multi-component target pesticides reported in the soil samples.



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**QA/QC Review of PCB Aroclor Data
for Spectrum Analytical, Inc.
Work Order SA39969
10 Soil Samples
Collected January 25, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the soil samples.

Duplicate: The sample and duplicate analyses for sample EP-B3F-10 reported target aroclors as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum, and the percent recoveries were within QC limits for MS/MSD sample EP-B3F-10.

Laboratory Control Sample: The percent recoveries for aroclor-1260 and aroclor-1016 were within QC limits for LCS sample 6011380-BS1.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: Percent recoveries for target aroclors were within QC limits (85-115%).

PCB Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

PCB Identification Summary for Multi-Component Analytes: Checked surrogates were within GC quantitation limits. The detections of aroclors were confirmed on a second dissimilar column.

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**QA/QC Review of Herbicide Data
for Spectrum Analytical, Inc.
Work Order SA39969
10 Soil Samples
Collected January 25, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported 2,4-D; 2,4,5-T; and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Duplicate: The sample and duplicate analyses for sample EP-B3F-10 reported target herbicides as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Laboratory Control Sample: The percent recoveries for target herbicides were within QC limits for LCS sample 6011387-BS1.

Initial Calibration: The %RSDs for 2,4-D; 2,4,5-T; and 2,4,5-TP were below the allowable maximum (20%), or the correlation coefficients were above the allowable minimums, as required.

Continuing Calibration: The percent recoveries for 2,4-D; 2,4,5-T; and 2,4,5-TP were within QC limits (85-115%).

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detected concentrations of 2,4-D; 2,4,5-T; and 2,4,5-TP reported in the soil samples.



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**QA/QC Review of TAL Metals Data
for Spectrum Analytical, Inc.
Work Order SA39969
10 Soil Samples
Collected January 25, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals and cyanide were within control limits (80-120% for Hg, 90-110% for all other metals).

Blanks: The analyses for initial and continuing calibration blanks reported target metals and cyanide as below the CRDLs, as required. The preparation blank contained iron (1.83 mg/kg) and potassium (11.1 mg/kg) above the reporting limit. Results for iron and potassium that are less than ten times the preparation blank level should be reported as unusable (R) in associated samples.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for antimony (23.2% and 15.5%), arsenic (61.3%), barium (70.2%), and mercury (45.9% and 45.9%) were below control limits (75-125%) for soil MS/MSD sample SA39967-02. All results for antimony, arsenic, barium, and mercury should be considered estimates (J).

Duplicates: The relative percent difference (RPD) for antimony (48.6%) was above the allowable maximum (35%) for MS/MSD sample SA39967-02. Positive results for antimony should be considered estimates (J).

The RPDs for antimony (50.0%), lead (38.4%), copper (39.0%), and potassium (43.0%) were above the allowable maximum (35%) for soil duplicate sample SA39967-01. Positive results for these metals should be considered estimates (J).

Laboratory Control Sample: The percent recovery for sodium (73%) was below control limits (80-120%) for soil LCSs 6011337-BS1. All results for sodium should be considered estimates (J).

Standard Reference Material: The percent recoveries for iron were below QC limits for 6011337-SRM1 and 6011337-SRM2. All results for iron should be considered estimates (J).

ICP Serial Dilution: The serial dilution data was not provided; therefore, %Ds could not be evaluated.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for the soil samples were greater than 50%, as required.



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**QA/QC Review of Cyanide Data
for Spectrum Analytical, Inc.
Work Order SA39969
10 Soil Samples
Collected January 25, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (90-110%).

Blanks: The analyses of the calibration and method blanks reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) in MS/MSD sample EP-B3F-1.

Duplicates: The relative percent difference for cyanide was below the allowable maximum (20%) in the MS/MSD sample EP-B3F-1, as required.

Laboratory Control Sample: The percent recoveries for cyanide were within control limits (80-120%) in samples 6011515-BS1 and 6011515-BS2.

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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA40242**

7 Soil Samples

Collected January 31 and February 1, 2006

Prepared by: Donald Anné
March 24, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, PCB, pesticide, herbicide, metal and cyanide analyses for 4 soil samples and the results for only volatile analyses for 3 samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The “not detected” volatile results for acetone in all seven soil samples were flagged as “unusable” (R) because the response factors were below the allowable minimum in the associated initial and continuing calibrations.
- The positive volatile results for 2-butanone in the following samples were flagged as “estimated” (J) because the relative percent difference was above the allowable maximum in LCS/LCSD 6020354-BS1.
B3-PIPE1-1-013106 B3-PIPE2-1-013106 B3-PIPE3-0.5-013106
- The “not detected” results for antimony were flagged as “estimated” (J) in the four soil samples because the percent recoveries for antimony were below control limits (75-125%) but were greater than 10% in MS/MSD sample EP-B3F-12.
- Positive results for calcium, magnesium, and zinc were flagged as “estimated” (J) in the four soil samples because the relative percent differences for these metals were above the allowable maximum (35%) in duplicate sample EP-B3F-11.

- Positive results for cadmium were flagged as “estimated” (J) in the four soil samples because the percent recoveries for cadmium were above control limits (80-120%) in laboratory control sample 6020096-BS1 and QC limits in standard reference material sample 6020096-SMR2.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

It should be noted that the “not detected” acetone data were qualified as “R” based on validation criteria alone. These data, however, were associated with method-compliant calibrations, and the response factors for acetone greater than 0.010 (the method-compliant allowable minimum). It is this reviewer’s opinion that, although the validation guidelines recommend that the data should be considered unusable, the “R” data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA40242
7 Soil Samples
Collected January 31 and February 1, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required.

The average RRF for acetone (0.032) was below the allowable minimum (0.050) for HPV4 on 01-17-06, but was greater than 0.010 (the method-compliant allowable minimum). The average RRF for acetone (0.019) was below the allowable minimum (0.050) for HPV1 on 01-31-06, but was greater than 0.010. Positive results for acetone should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %Ds for chloromethane (28.0%) and dibromochloromethane (27.5%) were above the allowable maximum (25%) on 02-07-06 (CCC0207.D). The %Ds for acetone (53.0%) and bromoform (48.3%) were above the allowable maximum (25%) on 02-07-06 (lcs0207a.D). Positive results for acetone should be considered estimates (J) in associated samples.

The RRF50 for acetone (0.016) was below the allowable minimum (0.050), but was greater than 0.010 on 02-07-05 (CCC0207.D). The RRF50 for acetone (0.025) was below the allowable minimum (0.050), but was greater than 0.010 on 02-07-05 (lcs0207a.D). Positive results for acetone should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: Method blank 6020354-BLK1 contained a trace of 2-butanone (5.2 ug/kg). Results for 2-butanone that are less than ten times the method blank level should be reported as not detected in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, and the percent recoveries were within control limits for MS/MSD sample B3-PIPE1-1-013106.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were above the allowable maximums and the percent recoveries (%Rs) for target compounds were within QC limits for LCS/LCSD 6020355-BS1.

The %Rs for target compounds were within QC limits, but the RPDs for acetone and 2-butanone were above the allowable maximums for LCS/LCSD 6020354-BS1. Positive results for acetone and 2-butanone should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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**QA/QC Review of Semi-Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA40242
4 Soil Samples
Collected February 1, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF100s for target compounds were above the allowable minimum (0.050), as required.

The %D for 2,4-dinitrophenol (33.4%) was above the allowable maximum (25%) on 02-06-06 (SCC70206.D). Positive results for 2,4-dinitrophenol should be considered estimates (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within control limits for MS/MSD sample EP-B3F-13.

Duplicate: The analyses of sample and duplicate EP-B3F-13 reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the laboratory duplicates were acceptable.

Laboratory Control Sample: The percent recovery for hexachlorocyclopentadiene was below QC limits for LCS sample 6020325-BS1. All results for hexachlorocyclopentadiene should be considered estimates (J) in associated soil samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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**QA/QC Review of Pesticide Data
for Spectrum Analytical, Inc.
Work Order SA40242
4 Soil Samples
Collected February 1, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for MS/MSD sample EP-B3F-14.

Duplicate: The sample and duplicate analyses for sample EP-B3F-14 reported target pesticides as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Laboratory Control Sample: The percent recoveries for target pesticides were within QC limits for LCS sample 6020111-BS1.

Initial Calibration: The %RSDs for applicable target pesticides were below the allowable maximum (20%), or the correlation coefficients were above the allowable minimums, as required.

Continuing Calibration: The percent recoveries for b-BHC (124%) and d-BHC (117%) were above QC limits (85-115%) on 02-06-06 @ 09:30. The percent recovery for b-BHC (122%) was above QC limits (85-115%) on 02-06-06 @ 09:39. Positive results for b-BHC and d-BHC should be considered estimates (J) in associated samples.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Data
Work Order SA40242

Pesticide Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

Pesticide Identification Summary for Single Component Analytes: Checked surrogate results were within GC quantitation limits. The detections of single component pesticide were confirmed on a second dissimilar column..

Pesticide Identification Summary for Multicomponent Analytes: There were no detected concentrations of multi-component target pesticides reported in the soil samples.



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**QA/QC Review of PCB Aroclor Data
for Spectrum Analytical, Inc.
Work Order SA40242
4 Soil Samples
Collected February 1, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the soil samples.

Duplicate: The sample and duplicate analyses for sample SA40216-01 reported target aroclors as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum, and the percent recoveries were within QC limits for MS/MSD sample SA40216-01.

Laboratory Control Sample: The percent recoveries for aroclor-1260 and aroclor-1016 were within QC limits for LCS sample 6020071-BS1.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: Percent recoveries for target aroclors were within QC limits (85-115%).

PCB Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

PCB Identification Summary for Multi-Component Analytes: Checked surrogates were within GC quantitation limits. The detections of aroclors were confirmed on a second dissimilar column.

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**QA/QC Review of Herbicide Data
for Spectrum Analytical, Inc.
Work Order SA40242
4 Soil Samples
Collected February 1, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported 2,4-D; 2,4,5-T; and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Duplicate: The sample and duplicate analyses for sample EP-B3F-13 reported target herbicides as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Laboratory Control Sample: The percent recoveries for target herbicides were within QC limits for LCS sample 6020259-BS1.

Initial Calibration: The %RSDs for 2,4-D; 2,4,5-T; and 2,4,5-TP were below the allowable maximum (20%), or the correlation coefficients were above the allowable minimums, as required.

Continuing Calibration: The percent recoveries for 2,4-D; 2,4,5-T; and 2,4,5-TP were within QC limits (85-115%).

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detected concentrations of 2,4-D; 2,4,5-T; and 2,4,5-TP reported in the soil samples.



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**QA/QC Review of TAL Metals Data
for Spectrum Analytical, Inc.
Work Order SA40242
4 Soil Samples
Collected February 1, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals and cyanide were within control limits (80-120% for Hg, 90-110% for all other metals).

Blanks: The analyses for initial and continuing calibration blanks reported target metals and cyanide as below the CRDLs, as required. The preparation blank contained calcium (6.78 mg/kg), iron (20.3 mg/kg), and potassium (25.7 mg/kg) above the reporting limit. Results for calcium, iron, and potassium that are less than ten times the preparation blank level should be reported as unusable (R) in associated samples.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for antimony (32.2% and 40.1%) and mercury (45.9% and 45.9%) were below control limits (75-125%) for soil MS/MSD sample EP-B3F-12. All results for antimony should be considered estimates (J).

Duplicates: The relative percent differences (RPDs) for target metals were below the allowable maximum (35%) for MS/MSD sample EP-B3F-12, as required.

The RPDs for calcium (54.4%), cadmium (89.0%), magnesium (74.9%), and zinc (48.5%) were above the allowable maximum (35%) for MS/MSD sample EP-B3F-11. Positive results for these metals should be considered estimates (J).

Laboratory Control Sample: The percent recovery for cadmium (126%) was above control limits (80-120%) for soil LCSs 6020096-BS1. Positive results for cadmium should be considered estimates (J).

Standard Reference Material: The percent recovery for cadmium was above QC limits for 6020096-SRM2. Positive results for cadmium should be considered estimates (J).

ICP Serial Dilution: The serial dilution data was not provided; therefore, %Ds could not be evaluated.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for the soil samples were greater than 50%, as required.



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**QA/QC Review of Cyanide Data
for Spectrum Analytical, Inc.
Work Order SA40242
4 Soil Samples
Collected February 1, 2006**

Prepared by: Donald Anné
March 24, 2006

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (90-110%).

Blanks: The analyses of the calibration and method blanks reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) in MS/MSD sample EP-B3F-11.

Duplicates: The relative percent difference for cyanide was below the allowable maximum (20%) in the MS/MSD sample EP-B3F-11, as required.

Laboratory Control Sample: The percent recoveries for cyanide were within control limits (80-120%) in samples 6020371-BS1 and 6020371-BS2.

**QA/QC Review of Cyanide Data
for Spectrum Analytical, Inc.
Work Order SA40316
Two Soil Samples
Collected February 2, 2006**

Prepared by: Donald Anné
July 13, 2006

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (90-110%).

Blanks: The analyses of the calibration and method blanks reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) in MS/MSD sample SA40242-01.

Duplicates: The relative percent difference for cyanide was below the allowable maximum (20%) in the MS/MSD sample SA40242-01, as required.

Laboratory Control Sample: The percent recoveries for cyanide were within control limits (80-120%) in samples 6020371-BS1 and 6020371-BS2.



**QA/QC Review of Cyanide Data
for Spectrum Analytical, Inc.
Work Order SA40434
One Soil Sample
Collected February 6, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample EP-B3F-17 was analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (90-110%).

Blanks: The analyses of the calibration and method blanks reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) in MS/MSD sample SA40488-01.

Duplicates: The relative percent difference for cyanide was below the allowable maximum (20%) in the MS/MSD sample SA40488-01, as required.

Laboratory Control Sample: The percent recoveries for cyanide were within control limits (80-120%) in samples 6020371-BS1 and 6020371-BS2.



**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA40434
7 Soil Samples and 4 Concrete Samples
Collected February 3-6, 2006**

Prepared by: Donald Anné
December 14, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, PCB, pesticide, herbicide, metal and cyanide analyses for 1 soil sample; results for volatile and PCB analyses for 5 soil samples and 4 concrete samples; and the results for only volatile analyses for 1 soil sample.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The positive volatile results for acetone in samples EP-B3F-17 and B3-PIPE5-4-020306 were flagged as “estimated” (J) because the response factors for acetone were below the allowable minimum in the associated initial and continuing calibrations.
- The “not detected” volatile results for tert-butanol and 1,4-dioxane in sample B3-PIPE5-020306 were flagged as “unusable” (R) because the response factors for these compounds were below the allowable minimum in the associated initial and continuing calibrations.
- The positive results for 2-butanone were flagged as “not detected” (U) in samples EP-B3F-17 and B3-PIPE5-020306, because the concentrations of 2-butanone in the samples were not significantly greater (more than ten times) than the level in the associated method blank.
- The positive volatile results for 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene in the sample B3-PIPE5-4-020306 were flagged as “estimated” (J) because the %Ds for these compounds were above the allowable maximum in the associated continuing calibration.

- The positive results for antimony, barium ,and zinc were flagged as “estimated” (J) in sample EP-B3F-17 because the percent recoveries for these metals were below control limits (75-125%) but were greater than 10% in MS/MSD sample SA40432-01.
- Positive results for lead and potassium were flagged as “estimated” (J) in sample EP-B3F-17 because the relative percent differences for these metals were above the allowable maximum (35%) in duplicate sample SA40432-01.
- The positive result for cadmium was flagged as “estimated” (J) in sample EP-B3F-17 because the percent recoveries for cadmium were above control limits (80-120%) in laboratory control sample 6020379-BS1 and QC limits in standard reference material sample 6020379-SMR2.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



**QA/QC Review of Herbicide Data
for Spectrum Analytical, Inc.
Work Order SA40434
One Soil Sample
Collected February 6, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample EP-B3F-17 was extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported 2,4-D; 2,4,5-T; and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for sample EP-B3F-17.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Duplicate: The sample and duplicate analyses for sample SA40362-16 reported target herbicides as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Laboratory Control Sample: The percent recoveries for target herbicides were within QC limits for LCS 6020496-BS1.

Initial Calibration: The %RSDs for 2,4-D; 2,4,5-T; and 2,4,5-TP were below the allowable maximum (20%), or the correlation coefficients were above the allowable minimums, as required.

Continuing Calibration: The percent recoveries for 2,4-D; 2,4,5-T; and 2,4,5-TP were within QC limits (85-115%).

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detected concentrations of 2,4-D; 2,4,5-T; and 2,4,5-TP reported in sample EP-B3F-17.



**QA/QC Review of TAL Metals Data
for Spectrum Analytical, Inc.
Work Order SA40434
One Soil Sample
Collected February 6, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample EP-B3F-17 was analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recovery for cadmium in the ICV was above control limits (90-110%). Positive results for cadmium should be considered estimates (J).

Blanks: The analyses for initial and continuing calibration blanks reported target metals as below the CRDLs, as required. The preparation blank contained calcium (7.50 mg/kg), manganese (0.280 mg/kg), and potassium (14.2 mg/kg) above the reporting limit. Results for calcium, manganese, and potassium that are less than ten times the preparation blank level should be reported as unusable (R) in associated samples.

ICP Interference Check Sample: The percent recoveries for cadmium were above control limits (80-120%). Positive results for cadmium should be considered estimates (J).

Spike Sample Recovery: The percent recoveries for antimony (42.3% and 45.6%), barium (30.8% and 40.6%), and zinc (69.8% and 47.5%) were below control limits (75-125%), but were above 10% for soil MS/MSD sample SA40432-01. All results for antimony, barium, and zinc should be considered estimates (J).

Duplicates: The relative percent differences (RPDs) for target metals were below the allowable maximum (35%) for MS/MSD sample SA40432-01, as required.

The RPDs for antimony (46.5%), barium (78.2%), lead (46.8%), and potassium (57.9%) were above the allowable maximum (35%) for duplicate sample SA40432-01. Positive results for these metals should be considered estimates (J).

Laboratory Control Sample: The percent recovery for cadmium (122%) was above control limits (80-120%) for soil LCS 6020379-BS1. Positive results for cadmium should be considered estimates (J).

Standard Reference Material: The percent recovery for cadmium was above QC limits for 6020379-SRM2. Positive results for cadmium should be considered estimates (J).

ICP Serial Dilution: The serial dilution data was not provided; therefore, %Ds could not be evaluated.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for sample EP-B3F-17 was greater than 50%, as required.



**QA/QC Review of PCB Aroclor Data
for Spectrum Analytical, Inc.
Work Order SA40434
6 Soil Samples and 4 Concrete Samples
Collected February 3-6, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for soil and concrete samples.

Duplicate: The relative percent differences for detected aroclors were below the allowable maximum (35%) for duplicate sample SA40479-01, as required.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum, and the percent recoveries were within QC limits for MS/MSD sample SA40432-01.

Laboratory Control Sample: The percent recoveries for aroclor-1260 and aroclor-1016 were within QC limits for LCSs 6020400-BS1 and 6020449-BS1.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: Percent recoveries for target aroclors were within QC limits (85-115%).

PCB Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

PCB Identification Summary for Multi-Component Analytes: Checked surrogates were within GC quantitation limits. The detections of aroclors were confirmed on a second dissimilar column.



**QA/QC Review of Pesticide Data
for Spectrum Analytical, Inc.
Work Order SA40434
One Soil Sample
Collected February 6, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample EP-B3F-17 was extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for sample EP-B3F-17.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for MS/MSD sample SA40293-07.

Duplicate: The sample and duplicate analyses for sample SA40293-07 reported target pesticides as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Laboratory Control Sample: The percent recoveries for target pesticides were within QC limits for LCS 6020424-BS1.

Initial Calibration: The %RSDs for applicable target pesticides were below the allowable maximum (20%), or the correlation coefficients were above the allowable minimums, as required.

Continuing Calibration: The percent recoveries for target pesticides were within QC limits (85-115%), as required.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

Pesticide Identification Summary for Single Component Analytes: Checked compound results were within GC quantitation limits. The detections of single component pesticides were confirmed on a second dissimilar column.

Pesticide Identification Summary for Multicomponent Analytes: There were no detected concentrations of multi-component target pesticides reported in sample EP-B3F-17.



**QA/QC Review of Semi-Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA40434
One Soil Sample
Collected February 6, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample EP-B3F-17 was extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF100s for target compounds were above the allowable minimum (0.050), as required.

The %D for bis(2-chloroisopropyl)ether (29.0%) was above the allowable maximum (25%) on 02-09-06 (SCC70209.D). Positive results for bis(2-chloroisopropyl)ether should be considered estimates (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for sample EP-B3F-17.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within control limits for MS/MSD sample SA40410-01.

Duplicate: The analyses of sample and duplicate SA40410-01 reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the laboratory duplicates were acceptable.

Laboratory Control Sample: The percent recoveries were within QC limits for LCS 6020500-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA40434
7 Soil Samples and 4 Concrete Samples
Collected February 3-6, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required.

The average RRFs for acetone (0.032), tert-butanol (0.027), and 1,4-dioxane (0.002) were below the allowable minimum (0.050) for HPV4 on 01-17-06. Positive results for these compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %Ds for 1,2,4-trichlorobenzene (27.0%), 1,2,4-trimethylbenzene (36.7%), and 1,3,5-trichlorobenzene (27.6%) were above the allowable maximum (25%) on 02-09-06 (ccc0209b.D). Positive results for these compounds should be considered estimates (J) in associated samples.

The RRF50s for acetone (0.034), tert-butanol (0.024), and 1,4-dioxane (0.002) were below the allowable minimum (0.050) on 02-09-06 (ccc0209b.D). Positive results for these compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: Method blank 6020555-BLK1 contained a trace of 2-butanone (3.9 ug/kg). Results for 2-butanone that are less than ten times the method blank level should be reported as not detected in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for soil and concrete samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, and the percent recoveries were within control limits for MS/MSD samples TB5-0.5-020606 and TBC3-020306.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximums and the percent recoveries (%Rs) for target compounds were within QC limits for LCS/LCSDs 6020559-BS1 and 6020560-BS1.

The RPDs for target compounds were below the allowable maximums, but the %Rs for 2,2-dichloropropane and 1,2,4-trimethylbenzene were above QC limits for LCS/LCSD 6020559-BS1. Positive results for 2,2-dichloropropane and 1,2,4-trimethylbenzene should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



**QA/QC Review of Cyanide Data
for Spectrum Analytical, Inc.
Work Order SA40488
4 Soil Samples
Collected February 7, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (90-110%).

Blanks: The analyses of the calibration and method blanks reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) in MS/MSD sample EP-B3F-18.

Duplicates: The relative percent difference for cyanide was below the allowable maximum (20%) in the MS/MSD sample EP-B3F-18, as required.

Laboratory Control Sample: The percent recoveries for cyanide were within control limits (80-120%) in samples 6020606-BS1 and 6020606-BS2.



**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA40488
4 Soil Samples
Collected February 7, 2006**

Prepared by: Donald Anné
December 14, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, PCB, pesticide, herbicide, metal and cyanide analyses for 4 soil samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The “not detected” volatile results for acetone in all four soil samples were flagged as “unusable” (R) because the response factors for acetone were below the allowable minimum in the associated initial and continuing calibrations.
- The positive results for 2-butanone were flagged as “not detected” (U) in all four soil samples, because the concentrations of 2-butanone in the samples were not significantly greater (more than ten times) than the level in the associated method blank.
- The positive results for antimony and potassium were flagged as “estimated” (J) in all four soil samples because the percent recoveries for these metals were outside control limits (75-125%) but were greater than 10% in MS/MSD sample EP-B3F-19.
- The positive results for mercury were flagged as “estimated” (J) in samples EP-B3F-18 and EP-B3F-20 because the one of two percent recoveries for mercury was above control limits (75-125%) in MS/MSD sample EP-B3F-19.

- Positive results for sodium were flagged as “estimated” (J) in all four soil samples because the relative percent difference for sodium was above the allowable maximum (35%) and the percent recoveries were above control limits in MS/MSD sample EP-B3F-19.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



**QA/QC Review of Herbicide Data
for Spectrum Analytical, Inc.
Work Order SA40488
4 Soil Samples
Collected February 7, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported 2,4-D; 2,4,5-T; and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for soil samples.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Duplicate: The sample and duplicate analyses for sample SA40362-16 reported target herbicides as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Laboratory Control Sample: The percent recoveries for target herbicides were within QC limits for LCS 6020496-BS1.

Initial Calibration: The %RSDs for 2,4-D; 2,4,5-T; and 2,4,5-TP were below the allowable maximum (20%), or the correlation coefficients were above the allowable minimums, as required.

Continuing Calibration: The percent recoveries for 2,4-D; 2,4,5-T; and 2,4,5-TP were within QC limits (85-115%).

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detected concentrations of 2,4-D; 2,4,5-T; and 2,4,5-TP reported in the soil samples.



**QA/QC Review of TAL Metals Data
for Spectrum Analytical, Inc.
Work Order SA40488
4 Soil Samples
Collected February 7, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Samples were analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for TAL metals were within control limits (80-120% for Hg, 90-110% for all other metals).

Blanks: The analyses for initial and continuing calibration blanks reported target metals as below the CRDLs, as required. The preparation blank contained iron (0.805 mg/kg) and potassium (11.7 mg/kg) above the reporting limit. Results for iron and potassium that are less than ten times the preparation blank level should be reported as unusable (R) in associated samples.

ICP Interference Check Sample: The percent recoveries for applicable TAL metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for antimony (28.3% and 29.1%), mercury (182%), sodium (150% and 244%), and potassium (145% and 129%) were outside control limits (75-125%), but were above 10% for soil MS/MSD sample EP-B3F-19. All results for antimony and positive results for mercury, sodium, and potassium should be considered estimates (J).

Duplicates: The relative percent differences (RPDs) for target metals were below the allowable maximum (35%) for duplicate sample EP-B3F-18, as required.

The RPDs for mercury (42.6%) and sodium (39.8%) were above the allowable maximum (35%) for MS/MSD sample EP-B3F-19. Positive results for mercury and sodium should be considered estimates (J).

Laboratory Control Sample: The percent recoveries for TAL metals were within control limits (80-120%) for soil LCSs 6020483-BS1 and 6020484-BS1.

Standard Reference Material: The percent recoveries for TAL metals were within QC limits for 6020483-SRM1, 6020483-SMR2, and 6020484-SRM1.

ICP Serial Dilution: The serial dilution data was not provided; therefore, %Ds could not be evaluated.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for samples were greater than 50%, as required.



**QA/QC Review of PCB Aroclor Data
for Spectrum Analytical, Inc.
Work Order SA40488
4 Soil Samples
Collected February 7, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for soil and concrete samples.

Duplicate: The sample and duplicate analyses for sample SA40405-46 reported target PCBs as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum, and the percent recoveries were within QC limits for MS/MSD sample SA40405-46.

Laboratory Control Sample: The percent recoveries for aroclor-1260 and aroclor-1016 were within QC limits for LCS 6020505-BS1.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: Percent recoveries for target aroclors were within QC limits (85-115%).

PCB Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

PCB Identification Summary for Multi-Component Analytes: Checked surrogates were within GC quantitation limits. The analyses of soil samples reported target aroclors as not detected.



**QA/QC Review of Pesticide Data
for Spectrum Analytical, Inc.
Work Order SA40488
4 Soil Samples
Collected February 7, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within QC limits for MS/MSD sample SA40293-07. Note: The MS/MSD associated with these samples is from data pack SA40434.

Duplicate: The sample and duplicate analyses for sample SA40476-08 reported target pesticides as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Laboratory Control Sample: The percent recoveries for target pesticides were within QC limits for LCS 6020594-BS1.

Initial Calibration: The %RSDs for applicable target pesticides were below the allowable maximum (20%), or the correlation coefficients were above the allowable minimums, as required.

Continuing Calibration: The percent recoveries for target pesticides were within QC limits (85-115%), as required.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

Pesticide Identification Summary for Single Component Analytes: Checked compound results were within GC quantitation limits. There were no detected concentrations of single component pesticides reported in the soil samples.

Pesticide Identification Summary for Multicomponent Analytes: There were no detected concentrations of multi-component target pesticides reported in the soil samples.



**QA/QC Review of Semi-Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA40488
4 Soil Samples
Collected February 7, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF100s for target compounds were above the allowable minimum (0.050), as required.

The %D for bis(2-chloroisopropyl)ether (29.0%) was above the allowable maximum (25%) on 02-09-06 (SCC70209.D). Positive results for bis(2-chloroisopropyl)ether should be considered estimates (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within control limits for MS/MSD sample SA40410-01.

Duplicate: The analyses of sample and duplicate SA40410-01 reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the laboratory duplicates were acceptable.

Laboratory Control Sample: The percent recoveries were within QC limits for LCS 6020500-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA40488
4 Soil Samples
Collected February 7, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required.

The average RRF for acetone (0.032) was below the allowable minimum (0.050) for HPV4 on 01-17-06. Positive results for acetone should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %Ds for target compounds were below the allowable maximum (25%), as required.

The RRF50 for acetone (0.034) was below the allowable minimum (0.050) on 02-09-06 (ccc0209b.D). Positive results for acetone should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: Method blank 6020555-BLK1 contained a trace of 2-butanone (3.9 ug/kg). Results for 2-butanone that are less than ten times the method blank level should be reported as not detected in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, and the percent recoveries were within control limits for MS/MSD samples TB5-0.5-020606 and TBC3-020306. Note: The MS/MSD associated with these samples is from data pack SA40434.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximums and the percent recoveries for target compounds were within QC limits for LCS/LCSD 6020555-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



Geology

Hydrology

Remediation

Water Supply

March 10, 2006

Ms. Dipa Chavan
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27279

Re: Data Validation Reports
Glendale, New York Project
February 2006 Soil and Concrete Sampling Event

Dear Ms. Chavan:

The data validation summaries and data usability summary report (DUSR) for the February 2006 soil and concrete event are attached to this letter for the Glendale, New York project. The data were acceptable for Spectrum Analytical, Work Order Number SA40557, with minor issues that are identified in the validation summaries. There were no data that were flagged as unusable (R) or estimated (J).

I have included a list of data validation qualifiers and acronyms to assist you in interpreting the reports. If you have any questions concerning this report, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald C. Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



Geology

Hydrology

Remediation

Water Supply

**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA40557
2 Soil Samples and 5 Concrete Samples
Collected February 8, 2006**

Prepared by: Donald Anné
March 10, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile and PCB analyses for 2 soil samples and 5 concrete samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are acceptable with some minor issues that are identified in the accompanying data validation reviews which did not result in the flagging of data. There were no data that were flagged as either rejected (R) or estimated (J). All data are considered usable. Detailed information on data quality is included in the data validation reviews.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA40557
2 Soil Samples and 5 Concrete Samples
Collected February 8, 2006**

Prepared by: Donald Anné
March 10, 2006

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The average RRF for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The RRF50 for target compounds were above the allowable minimum (0.050), as required.

The %Ds for bromoform (25.9%) was above the allowable maximum (25%) for HP-6 on 02-11-06 (LCS0210A.D). The %Ds for bromoform (25.7%) was above the allowable maximum (25%) for HP-6 on 02-14-06 (LCS0214A.D). Positive results for bromoform should be considered estimates (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, and the percent recoveries were within control limits for MS/MSD sample TB10-020806.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximums, and the percent recoveries were within QC limits for LCS/LCSDs 6020665-BS1 and 6020779-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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**QA/QC Review of PCB Aroclor Data
for Spectrum Analytical, Inc.
Work Order SA40557
2 Soil Samples and 5 Concrete Samples
Collected February 8, 2006**

Prepared by: Donald Anné
March 10, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: One of two surrogate recoveries for sample TB13-020806 was above QC limits. Positive results for TB13-020806 should be considered estimates (J).

Duplicate: The sample and duplicate analyses for samples SA40510-01 and TB13-020806 reported target aroclors as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum, and the percent recoveries were within QC limits for MS/MSD sample SA40510-01.

Laboratory Control Sample: The percent recoveries for aroclor-1260 and aroclor-1016 were within QC limits for LCS sample 6020596-BS1 and 6020692-BS1.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The percent recoveries for the continuing calibration check samples were within QC limits (85-115%).

PCB Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

PCB Identification Summary for Multi-Component Analytes: Checked surrogates were within GC quantitation limits. The detections of aroclors were confirmed on a second dissimilar column.

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March 13, 2006

Ms. Dipa Chavan
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27279

Re: Data Validation Reports
Glendale, New York Project
February 2006 Soil and Air Sampling Events

Dear Ms. Chavan:

The data validation summaries and data usability summary reports (DUSRs) for the February 2006 soil and air sampling events are attached to this letter for the Glendale, New York project. The data were acceptable for Spectrum Analytical, Work Order Numbers SA40619 and SA40938, with minor issues that are identified in the validation summaries. There were no data that were flagged as unusable (R).

I have included a list of data validation qualifiers and acronyms to assist you in interpreting the reports. If you have any questions concerning this report, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald C. Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA40619
3 Soil Samples
Collected February 9, 2006**

Prepared by: Donald Anné
March 13, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile and PCB analyses for three soil samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are acceptable with one issue that is identified in the accompanying data validation reviews. The following data were flagged:

- The “not detected” volatile result for bromoform in sample TB18-020906 was flagged as “estimated” (J) because the percent recoveries for bromoform were below the QC limits for LCS/LCSD 6020664-BS1.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA40619
3 Soil Samples
Collected February 9, 2006**

Prepared by: Donald Anné
March 13, 2006

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The average RRF for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The RRF50 for target compounds were above the allowable minimum (0.050), as required.

The %Ds for bromoform (59.7%) was above the allowable maximum (25%) for HPV4 on 02-11-06 (lcs0211b.D). Positive results for bromoform should be considered estimates (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, and the percent recoveries were within control limits for MS/MSD sample TB17-020906.

Laboratory Control Sample: The relative percent differences (%RPDs) for target compounds were below the allowable maximums, and the percent recoveries (%Rs) were within QC limits for LCS/LCSD 6020882-BS1.

The %RPDs for target compounds were below the allowable maximums, but the %Rs for bromoform were below QC limits and 1 of 2 %Rs for chloromethane was above QC limits for LCS/LCSD 6020664-BS1. All results for bromoform and positive results for chloromethane should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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**QA/QC Review of PCB Aroclor Data
for Spectrum Analytical, Inc.
Work Order SA40619
3 Soil Samples
Collected February 9, 2006**

Prepared by: Donald Anné
March 13, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for environmental samples.

Duplicate: The sample and duplicate analyses for sample TB18-020906 reported target aroclors as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum, and the percent recoveries were within QC limits for MS/MSD sample TB18-020906.

Laboratory Control Sample: The percent recoveries for aroclor-1260 and aroclor-1016 were within QC limits for LCS samples 6020693-BS1 and 6020692-BS1.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: The percent recoveries for the continuing calibration check samples were within QC limits (85-115%).

PCB Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

PCB Identification Summary for Multi-Component Analytes: Checked surrogates were within GC quantitation limits. The analyses for samples in this data pack reported target aroclors as not detected.

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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA40938
Two Air Samples
and One Trip Blank
Collected February 15, 2006**

Prepared by: Donald Anné
March 13, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of TO15 volatile analyses for two air samples and one trip blank.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some minor issues that are identified in the accompanying data validation reviews. The following data were flagged:

- Results for 1,2,4-trichlorobenzene in both samples and the trip blank were flagged as “estimated” (J), because the percent recovery for 1,2,4-trichlorobenzene was below QC limits for LCS sample 6021397-BS1.
- The positive result for tetrachloroethene in sample B3-SV40(05)-021506 was flagged as “estimated” (J), because the %D for tetrachloroethene was above the allowable maximum for the associated continuing calibration.
- The positive result for chloromethene in sample AMOUT-021506 was flagged as “estimated” (J), because the %D for chloromethene was above the allowable maximum for the associated continuing calibration.
- The positive volatile result for methylene chloride were flagged as “not detected” (U) for both air samples because the concentrations of methylene chloride were not significantly greater (more than ten times) than the level in the associated trip blank.

- The positive volatile result for isopropyl alcohol were flagged as “not detected” (U) for both air samples because the concentrations of isopropyl alcohol were not significantly greater (more than five times) than the level in the associated trip blank.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA40938
Two Air Samples
and One Trip Blank
Collected February 15, 2006**

Prepared by: Donald Anné
March 13, 2006

Holding Times: Samples were analyzed within the EPA recommended holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF10s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for chloromethane (27.7%), tetrachloroethene (28.8%), hexachlorobutadiene (28.4%), and 1,2,4-trichlorobenzene (49.2%) were above the allowable maximum (25%) on 02-22-06 (A19244.D). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected. Trip blank TB-021506 contained trace of methylene chloride (0.36 ppbv) and isopropyl alcohol (0.41 ppbv). Results for methylene chloride that are less than ten times the trip blank level should be reported as not detected (U) in associated samples. Results for isopropyl alcohol that are less than five times the trip blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for air samples.

Laboratory Duplicate: The relative percent differences for applicable target compounds were below the allowable maximum for duplicate sample 6021397-DUP1.

Laboratory Control Sample: The percent recovery for 1,2,4-trichlorobenzene was below QC limits for LCS sample 6021397-BS1. Results for 1,2,4-trichlorobenzene should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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March 14, 2006

Ms. Dipa Chavan
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27279

Re: Data Validation Reports
Glendale, New York Project
February 2006 Soil and Ground Water Sampling Event

Dear Ms. Chavan:

The data validation summary and data usability summary report (DUSR) for the January 2006 soil and ground water sampling event are attached to this letter for the Glendale, New York project. The data were mostly acceptable for Spectrum Analytical, Work Order Number SA40836, with issues that are identified in the validation summaries. There were volatile data in data pack SA40836 that were flagged as unusable (R). The data were rejected because of low response factors for those compounds. The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

I have included a list of data validation qualifiers and acronyms to assist you in interpreting the reports. If you have any questions concerning this report, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald C. Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNF	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation



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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA39560
38 Soil Samples,
1 Ground Water Sample and 1 Trip Blank
Collected February 10-14, 2006**

Prepared by: Donald Anné
March 14, 2006

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile analyses for 38 soil samples, 1 ground water sample, and 1 trip blank.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are acceptable with one issue that is identified in the accompanying data validation review. The following data were flagged:

- The “not detected” results for butyl alcohol and 1,4-dioxane were flagged as “unusable” (R) in all 38 soil samples, the ground water sample, and the trip blank because the response factors for butyl alcohol and 1,4-dioxane were below the allowable minimum in the associated initial and continuing calibrations.
- The “not detected” results for tetrahydrofuran were flagged as “unusable” (R) in all 38 soil samples because the response factors for tetrahydrofuran were below the allowable minimum in the associated continuing calibrations.
- The “not detected” results for acetone were flagged as “unusable” (R) in 10 soil samples, the ground water sample, and the trip blank because the response factors for acetone were below the allowable minimum in the associated initial and continuing calibrations.
- The “not detected” result for 2-butanone was flagged as “unusable” (R) in sample B3-PIPE30-4-21006 because the response factors for 2-butanone were below the allowable minimum in the associated initial calibration.

- The “not detected” result for tert-amyl methyl ether was flagged as “unusable” (R) in sample B3-PIPE30-4-21006 because the response factor for tert-amyl methyl ether was below the allowable minimum in the associated continuing calibration.
- Positive results for acetone were flagged as “estimated” (J) in 28 soil samples because the response factors for acetone were below the allowable minimum in the associated initial and continuing calibrations.
- Positive results for 2-butanone were flagged as “estimated” (J) in 19 soil samples because the %Ds for 2-butanone were above the allowable maximum in the associated continuing calibrations.
- The “not detected” result for the following compounds were flagged as “estimated” (J) in aqueous samples MW66-021406 and TB-021406 because the percent recoveries for these compounds were below QC limits for aqueous LCS/LCSD 6021135-BS1.

bromomethane	2,2-dichloropropane	trans-1,3-dichloropropene
2-hexanone	tert-amyl methyl ether	ethyl tert-butyl ether

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA40836
38 Soil Samples, 1 Ground Water Sample,
and 1 Trip Blank
Collected February 10-14, 2006**

Prepared by: Donald Anné
March 14, 2006

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required.

The average RRFs for acetone (0.015), 2-butanone (0.019), butyl alcohol (0.020), and 1,4-dioxane (0.002) were below the allowable minimum (0.050) for HPV3 on 02-21-06. The average RRFs for acetone (0.033), butyl alcohol (0.020), and 1,4-dioxane (0.002) were below the allowable minimum (0.050) for HPV4 on 02-08-06. The average RRFs for acetone (0.020), butyl alcohol (0.018), and 1,4-dioxane (0.002) were below the allowable minimum (0.050) for HPV7 on 02-13-06. Positive results for these compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %Ds for acetone (28.4%), acrylonitrile (28.9%), bromoform (41.0%), 2-butanone (36.4%), 2-hexanone (29.1%), 4-methyl-2-pentanone (36.5%), tetrahydrofuran (35.7%), and 1,4-dioxane (50.0%) were above the allowable maximum (25%) on 02-17-06 (lcs0217a.D). The %Ds for bromoform (32.8%), bromomethane (37.0%), 2-butanone (37.0%), tert-butylbenzene (25.7%), 2-hexanone (34.2%), 4-methyl-2-pentanone (33.7%), tetrahydrofuran (37.5%), butyl alcohol (28.6%), and 1,4-dioxane (50.0%) were above the allowable maximum (25%) on 02-17-06 (lcs0217b.D). The %Ds for bromoform (41.0%), 2-butanone (36.8%), 2-hexanone (31.3%), 4-methyl-2-pentanone (30.5%), and tetrahydrofuran (32.1%) were above the allowable maximum (25%) on 02-18-06 (lcs0218a.D).

The %Ds for dichlorodifluoromethane (32.8%) and tetrahydrofuran (29.0%) were above the allowable maximum (25%) on 02-22-06 (LCS0222A.D). The %Ds for the following compounds were above the allowable maximum (25%) on 02-21-06 (ccc0221.D).

bromoform (27.6%)	bromomethane (79.5%)
2-butanone (49.4%)	carbon tetrachloride (32.8%)
chloromethane (29.5%)	2,2-dichloropropane (70.4%)
trans-1,3-dichloropropene (32.2%)	2-hexanone (26.1%)
methyl tert-butyl ether (30.9%)	4-methyl-2-pentanone (28.7%)
tert-amyl methyl ether (76.5%)	ethyl tert-butyl ether (36.8%)
di-isopropyl ether (36.8%)	butyl alcohol (77.8%)

Positive results for the above compounds should be considered estimates (J) in associated samples.

The RRF50 for acetone (0.019), tetrahydrofuran (0.036), butyl alcohol (0.016), and 1,4-dioxane (0.001) were below the allowable minimum (0.050) on 02-17-06 (lcs0217a.D). The RRF50 for acetone (0.017), tetrahydrofuran (0.035), butyl alcohol (0.015), and 1,4-dioxane (0.001) were below the allowable minimum (0.050) on 02-17-06 (lcs0217b.D). The RRF50 for acetone (0.018), tetrahydrofuran (0.038), butyl alcohol (0.016), and 1,4-dioxane (0.001) were below the allowable minimum (0.050) on 02-18-06 (lcs0218a.D). The RRF50 for acetone (0.018), tetrahydrofuran (0.041), tert-amyl methyl ether (0.038), butyl alcohol (0.004), and 1,4-dioxane (0.002) were below the allowable minimum (0.050) on 02-21-06 (ccc0221.D). The RRF20 for acetone (0.009), butyl alcohol (0.017), and 1,4-dioxane (0.002) were below the allowable minimum (0.050) on 02-22-06 (LCS0222A.D). Positive results for these compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: The analyses of the method and trip blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, and the percent recoveries were within control limits for MS/MSD samples SA40619-03 and SA40915-01.

Laboratory Control Sample: The relative percent differences (RPDs) were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for soil LCS/LCSD 6021257-BS1.

The %RPDs for target compounds were below the allowable maximums, but the %Rs for bromoform were above QC limits for soil LCS/LCSDs 6021004-BS1, 6021051-BS1, and 6021078-BS1 and the %Rs for tetrahydrofuran were below QC limits for soil LCS/LCSDs 6021004-BS1 and 6021051-BS1. Positive results for bromoform and all results for tetrahydrofuran should be considered estimates (J) in associated soil samples.

The %RPD for 2-butanone were below the allowable maximums for aqueous LCS/LCSD 6021135-BS1. Positive results for 2-butanone should be considered estimates (J) in associated aqueous samples.

The %Rs for the following compounds were below QC limits for aqueous LCS/LCSD 6021135-BS1. All results for these compounds should be considered estimates (J) in associated aqueous samples.

bromomethane	2,2-dichloropropane	trans-1,3-dichloropropene
2-hexanone	tert-amyl methyl ether	ethyl tert-butyl ether
butyl alcohol		

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

LETTER OF TRANSMITTAL



ALPHA GEOSCIENCE

679 Plank Road
Clifton Park, NY 12065
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TO: Ms Dipa Chavan
Langan Engineering & Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27279

FROM: Don Anne'

DATE: 3/14/2006

SUBJECT: Data Validation
Glendale, NY
Feb 06' Soil and Ground Water Sampling

WE ARE TRANSMITTING
THE FOLLOWING ITEMS:

☐ Photographs
☐ Maps/Plans
☐ Report(s)

☐ Letter(s)
☒ Disk(s)
☒ Other: Data Packs

Originals	Copies	Description of Materials
1		Spectrum Analytical Data Pack, Work Order Number SA40836

These Materials are Transmitted:

☐ For your use
☐ For your approval
☐ For your review and comment

☐ Approved as submitted
☐ Approved as noted
☒ Returned after loaned to us
☐ Returned for revision

Please: ☐ Return original to us
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REMARKS:

Returned upon completion of data validation

ADDITIONAL COPIES TO:

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Donald C. Anne'



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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA41326**

**4 Soil Samples
Collected February 23, 2006**

Prepared by: Donald Anné
March 27, 2006

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of TCL volatile analyses for 4 soil samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are acceptable with one issue that is identified in the accompanying data validation review. The following data were flagged:

- The positive results for acetone were flagged as “estimated” (J) in samples B7-SE-11-13-022306 and B7-SE-15-17-022306 because the response factors for acetone were below the allowable minimum in the associated initial calibration.
- The “not detected” results for 2-butanone were flagged as “unusable” (R) in all four soil samples because the response factors for 2-butanone were below the allowable minimum in the associated initial and continuing calibrations.
- The “not detected” results for acetone were flagged as “unusable” (R) in samples B7-SE-19-21-022306 and B7-SE-26-28-022306 because the response factors for acetone were below the allowable minimum in the associated initial calibration.
- The positive results for carbon disulfide were flagged as “not detected” (U) in all four soil samples, because the concentrations of carbon disulfide in the samples were not significantly greater (more than ten times) than the level in the associated method blank.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

The "not detected" data that were qualified as "R" were associated with method-compliant calibrations, and the response factors for the affected compounds were greater than 0.010. It is this reviewer's opinion that although the validation guidelines recommend that the data should be considered unusable, the "R" data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA41326**

**4 Soil Samples
Collected February 23, 2006**

**Prepared by: Donald Anné
March 27, 2006**

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required.

The average RRF for acetone (0.036) and 2-butanone (0.018) were below the allowable minimum (0.050) for HPV6 on 03-03-06, but was greater than 0.010 (the method-compliant allowable minimum). Positive results for acetone and 2-butanone should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %Ds for acetone (44.4%), 2-butanone (50.3%), carbon disulfide (138.2%), and 4-methyl-2-pentanone (%) were above the allowable maximum (25%) on 03-10-06 (CCC0310A.D). Positive results for these two compounds should be considered estimates in associated samples.

The RRF50 for 2-butanone (0.041) was below the allowable minimum (0.050) on 03-03-06 (LCS0303A.D), but was greater than 0.010. Positive results for 2-butanone should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: Method blank, 6030198-BLK1, contained a trace of carbon disulfide (2.1 ug/L). Results for carbon disulfide that are less than five times the method blank level should be reported as not detected in associated high level samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within control limits for MS/MSD SA41147-01.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximums, but the %Rs (percent recoveries) for carbon disulfide and 4-methyl-2-pentanone were above QC limits for LCS/LCSD 6030198-BS1. Positive results for these two compounds should be considered estimates (J) in associated soil samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA41575**

**10 Soil Samples, 1 Ground Water Sample,
1 Field Blank, and 1 Trip Blank
Collected February 28 and March 1, 2006**

Prepared by: Donald Anné
March 27, 2006

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of TCL volatile analyses for 10 soil samples, 1 ground water sample, 1 field blank, and 1 trip blank.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are acceptable with one issue that is identified in the accompanying data validation review. The following data were flagged:

- The positive results for acetone were flagged as “estimated” (J) in samples TB-022806 and FB-022806 because the response factors for acetone were below the allowable minimum in the associated initial and continuing calibrations.
- The positive results for acetone were flagged as “estimated” (J) in the following samples because the %D for acetone was above the allowable maximum in the associated continuing calibration.
AOC2-B3-SSW-030106 AOC2-B3-ESW-030106 AOC2-B3-WSW-030106
- The “not detected” results for 2-butanone were flagged as “unusable” (R) in the following samples because the response factors for 2-butanone were below the allowable minimum in the associated initial calibrations.
AOC1-B3-EP-030106 AOC1-B3-NSW-030106 AOC1-B3-SSW-030106
AOC1-B3-ESW-030106 AOC1-B3-WSW-030106 AOC2-B3-SSW-030106
AOC2-B3-ESW-030106 AOC2-B3-WSW-030106

- The “not detected” results for acetone were flagged as “unusable” (R) in the following samples because the response factors for acetone were below the allowable minimum in the associated initial and continuing calibrations.
MW66-022806 AOC2-B3-EP-030106 AOC2-B3-NSW-030106
- The positive results for acetone were flagged as “not detected” (U) in samples TB-022806 and FB-022806 because the concentrations of acetone in the samples were not significantly greater (more than ten times) than the level in the associated method blank.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

The “not detected” data that were qualified as “R” were associated with method-compliant calibrations, and the response factors for the affected compounds were greater than 0.010. It is this reviewer’s opinion that although the validation guidelines recommend that the data should be considered unusable, the “R” data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA41575**

**10 Soil Samples, 1 Ground Water Sample,
1 Field Blank, and 1 Trip Blank
Collected February 28 and March 1, 2006**

Prepared by: Donald Anné
March 27, 2006

Holding Times: Samples were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required. The average RRF for acetone (0.029) was below the allowable minimum (0.050) for HPV1 on 02-27-06, but was greater than 0.010 (the method-compliant allowable minimum). The average RRF for 2-butanone (0.040) was below the allowable minimum (0.050) for HPV6 on 03-02-06, but was greater than 0.010. The average RRF for acetone (0.020) was below the allowable minimum (0.050) for HPV7 on 02-13-06, but was greater than 0.010. Positive results for acetone and 2-butanone should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %D for carbon tetrachloride (29.3%) was above the allowable maximum (25%) on 03-06-06 (lcs0306b.D). The %D for acetone (43.0%) was above the allowable maximum (25%) on 03-09-06 (lcs0309b.D). The %Ds for 2-butanone (88.2%) and 4-methyl-2-pentanone (69.3%) were above the allowable maximum (25%) on 03-09-06 (CCC0309A.D). The %Ds for acetone (36.2%), 2-butanone (157.9%), and 4-methyl-2-pentanone (116.1%) were above the allowable maximum (25%) on 03-10-06 (CCC0310A.D). Positive results for these two compounds should be considered estimates in associated samples.

The RRF20 for acetone (0.021) was below the allowable minimum (0.050) on 03-06-06 (lcs0306b.D), but were greater than 0.010. The RRF20 for acetone (0.024) was below the allowable minimum (0.050) on 03-09-06 (lcs0309b.D), but was greater than 0.010. The RRF50 for acetone (0.026) was below the allowable minimum (0.050) on 03-09-06 (bsd0309.D), but was greater than 0.010. Positive results for acetone should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: Method blank, 6030264-BLK1, contained traces of acetone (3.8 ug/L) and 2-butanone (2.4 ug/L). Method blank, 6030477-BLK1, contained a trace of acetone (2.6 ug/L). Method blank, 6030483-BLK1, contained a trace of 2-butanone (0.8 ug/L). Results for acetone and 2-butanone that are less than ten times the method blank level should be reported as not detected in associated high level samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums and the percent recoveries (%Rs) were within control limits for aqueous MS/MSD sample SA41609-01 and soil MS/MSD SA41490-04.

The RPDs were below the allowable maximums, but 2 of 10 %Rs were above control limits for aqueous MS/MSD sample SA41412-11. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximums and the percent recoveries (%Rs) were within QC limits for the aqueous LCS/LCSDs 6030477-BS1 and soil LCS/LCSD 6030483-BS1.

The RPDs for target compounds were below the allowable maximums, but the %Rs for acetone, 2-butanone, and 4-methyl-2-pentanone were above QC limits for the soil LCS/LCSD 6030507-BS1. The RPD for 4-methyl-2-pentanone was above the allowable maximums, but the %Rs for 2-butanone and 4-methyl-2-pentanone were above QC limits for the soil LCS/LCSD 6030550-BS1. Positive results for these compounds should be considered estimates (J) in associated soil samples.

The RPDs for target compounds were below the allowable maximums, but 1 of 2 %Rs for vinyl chloride was above QC limits for the aqueous LCS/LCSD 6030264-BS1. Positive results for vinyl chloride should be considered estimates (J) in associated aqueous samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

LETTER OF TRANSMITTAL



ALPHA GEOSCIENCE

679 Plank Road
Clifton Park, NY 12065
(518) 348 -6995 Phone
(518) 348-6966 FAX

TO: Ms Ilkay Cam-Spanos
Langan Engineering & Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27279

FROM: Don Anne'

DATE: 3/27/2006

SUBJECT: Data Validation
Glendale, NY
Jan-Mar 06' Soil and Ground Water Sampling

WE ARE TRANSMITTING
THE FOLLOWING ITEMS:

☐ Photographs
☐ Maps/Plans
☐ Report(s)

☐ Letter(s)
☒ Disk(s)
☒ Other: Data Packs

Originals	Copies	Description of Materials
1		Spectrum Analytical Data Pack, Work Order Number SA39969
1		Spectrum Analytical Data Pack, Work Order Number SA40242
1		Spectrum Analytical Data Pack, Work Order Number SA41326
1		Spectrum Analytical Data Pack, Work Order Number SA41575

These Materials are Transmitted:

☐ For your use
☐ For your approval
☐ For your review and comment

☐ Approved as submitted
☐ Approved as noted
☒ Returned after loaned to us
☐ Returned for revision

Please: ☐ Return original to us
☐ Submit after revision

☐ Retain for your files
☐ Other

REMARKS:

Returned upon completion of data validation

ADDITIONAL COPIES TO:

SIGNATURE:

Donald Anne'



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March 24, 2006

Ms. Ilkay Cam-Spanos
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27279

Re: Data Validation Reports
Glendale, New York Project
January-March 2006 Soil and Ground Water Sampling Events

Dear Ms. Cam-Spanos:

The data validation summaries and data usability summary report (DUSR) for the January-March 2006 soil and ground water sampling events are attached to this letter for the Glendale, New York project. The data were mostly acceptable for Spectrum Analytical, Work Order Numbers SA39969, SA40242, SA41326, and SA41575 with issues that are identified in the validation summaries. There were volatile data in all data packs that were flagged as unusable (R). As explained in the DUSR, the volatile results that were flagged "R" were associated with initial and continuing calibrations that were method compliant, and the laboratory instruments responded to acetone with "relative response factors" that were greater than 0.010. The volatile data are qualified as "R" based solely on the data validation criteria. The data may be determined to be acceptable to the user based on the instrument response(s), the compliant calibrations, and/or other project-specific information that is not available to the data validator.

I have included a list of data validation qualifiers and acronyms to assist you in interpreting the reports. If you have any questions concerning this report, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald C. Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



**QA/QC Review of Cyanide Data
for Spectrum Analytical, Inc.
Work Order SA42415
One Soil Sample
Collected March 23, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample B3ER-032306 was analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (90-110%).

Blanks: The analyses of the calibration and method blanks reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) in MS/MSD sample B3ER-032306.

Duplicates: The relative percent difference for cyanide was below the allowable maximum (20%) in the MS/MSD sample B3ER-032306, as required.

Laboratory Control Sample: The percent recoveries for cyanide were within control limits (80-120%) in sample 6031557-BS1.



**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA42415
One Soil Sample
Collected March 23, 2006**

Prepared by: Donald Anné
December 14, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, PCB, pesticide, herbicide, metal and cyanide analyses for one soil sample.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The “not detected” volatile results for acetone and 2-butanone in sample B3ER-032306 were flagged as “unusable” (R) because the response factors for these two compounds were below the allowable minimum in the associated initial and continuing calibrations.
- The “not detected” pesticide result for d-BHC in sample B3ER-032306 was flagged as “estimated” (J) because the percent recovery for d-BHC was below QC limits in the associated LCS 6031455-BS1.
- The “not detected” result for antimony was flagged as “estimated” (J) in sample B3ER-032306 because the percent recoveries for antimony were below control limits (75-125%) but were greater than 10% in MS/MSD sample SA42403-02.
- The positive results for calcium, magnesium, manganese, and potassium were flagged as “estimated” (J) in sample B3ER-032306 because the percent recoveries for these metals were above control limits (75-125%) in MS/MSD sample SA42403-02.
- The positive results for aluminum, barium, sodium, and zinc were flagged as “estimated” (J) in sample B3ER-032306 because the percent recoveries for these metals were above control limits (75-125%) in LCS 6031396-BS1.

- Positive results for copper and lead were flagged as “estimated” (J) in sample B3ER-032306 because the relative percent differences for copper and lead were above the allowable maximum (35%) in duplicate sample SA42415-01.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



**QA/QC Review of Herbicide Data
for Spectrum Analytical, Inc.
Work Order SA42415
One Soil Sample
Collected March 23, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample B3ER-032306 was extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported 2,4-D; 2,4,5-T; and 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for sample B3ER-032306.

Matrix Spike/Matrix Spike Duplicate: MS/MSD data were not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Duplicate: The sample and duplicate analyses for sample SA42452-06 reported target herbicides as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Laboratory Control Sample: The relative percent differences for target herbicides were below the allowable maximums and the percent recoveries for target compounds were within QC limits for LCS/LCSD 6031456-BS1.

Initial Calibration: The %RSDs for 2,4-D; 2,4,5-T; and 2,4,5-TP were below the allowable maximum (20%), or the correlation coefficients were above the allowable minimums, as required.

Continuing Calibration: The percent recoveries for 2,4-D; 2,4,5-T; and 2,4,5-TP were within QC limits (85-115%).

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. There were no detected concentrations of 2,4-D; 2,4,5-T; and 2,4,5-TP reported in sample B3ER-032306.



**QA/QC Review of TAL Metals Data
for Spectrum Analytical, Inc.
Work Order SA42415
One Soil Sample
Collected March 23, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample B3ER-032306 was analyzed within the NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for TAL metals were within control limits (80-120% for Hg, 90-110% for all other metals).

Blanks: The analyses for initial and continuing calibration blanks reported target metals as below the CRDLs, as required. The preparation blank contained the following metals above the reporting limit. Results for these metals that are less than ten times the preparation blank level should be reported as unusable (R) in associated samples.

aluminum (5.74 mg/kg)	calcium (45.6 mg/kg)	iron (1.97 mg/kg)
magnesium (10.3 mg/kg)	manganese (0.605 mg/kg)	potassium (32.4 mg/kg)

ICP Interference Check Sample: The percent recoveries for applicable TAL metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for antimony (61.0% and 59.9%), calcium (161% and 143%), manganese (149%), and potassium (130%) were outside control limits (75-125%), but were above 10% for soil MS/MSD sample SA42403-02. All results for antimony and positive results for calcium, manganese, and potassium should be considered estimates (J).

Duplicates: The relative percent differences (RPDs) for target metals were below the allowable maximum (35%) for MS/MSD sample SA42403-02, as required.

The RPDs for copper (134%), lead (69.5%), and zinc (69.5%) were above the allowable maximum (35%) for duplicate sample SA42403-01. Positive results for these metals should be considered estimates (J).

Laboratory Control Sample: The percent recoveries for aluminum, barium, sodium, and zinc were above control limits (80-120%) for soil LCS 6031396-BS1. Positive results for these metals should be considered estimates (J).

Standard Reference Material: The percent recoveries for sodium and barium were above QC limits for 6031396-SRM1 and 6031396-SRM2. Positive results for sodium and barium should be considered estimates (J).

ICP Serial Dilution: The serial dilution data was not provided; therefore, %Ds could not be evaluated.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for sample B3ER-032306 were greater than 50%, as required.



**QA/QC Review of PCB Aroclor Data
for Spectrum Analytical, Inc.
Work Order SA42415
One Soil Sample
Collected March 23, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample B3ER-032306 was extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for sample B3ER-032306.

Duplicate: The sample and duplicate analyses for sample SA42403-02 reported target PCBs as not detected; therefore, relative percent differences could not be calculated. The analyses of the sample and duplicate are acceptable.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum, and the percent recoveries were within QC limits for MS/MSD sample SA42403-02.

Laboratory Control Sample: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum, and the percent recoveries were within QC limits for LCS 6031450-BS1.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: Percent recoveries for target aroclors were within QC limits (85-115%).

PCB Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

PCB Identification Summary for Multi-Component Analytes: Checked surrogates were within GC quantitation limits. The detections of aroclors were confirmed on a second dissimilar column.



**QA/QC Review of Pesticide Data
for Spectrum Analytical, Inc.
Work Order SA42415
One Soil Sample
Collected March 23, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample B3ER-032306 was extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for sample B3ER-032306.

Matrix Spike/Matrix Spike Duplicate: This data was not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The percent recovery for d-BHC was below QC limits for LCS 6031455-BS1. All results for d-BHC should be considered estimates (J) in associated samples.

Initial Calibration: The %RSDs for applicable target pesticides were below the allowable maximum (20%), or the correlation coefficients were above the allowable minimums, as required.

Continuing Calibration: The percent recovery for b-BHC (120%) was above QC limits (85-115%) on 03-28-06. The percent recovery for b-BHC (123%) was above QC limits (85-115%) on 03-29-06. Positive results for b-BHC should be considered estimates (J) in associated samples.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

Pesticide Identification Summary for Single Component Analytes: Checked compound results were within GC quantitation limits. There were no detected concentrations of single component pesticides reported in sample B3ER-032306.

Pesticide Identification Summary for Multicomponent Analytes: There were no detected concentrations of multi-component target pesticides reported in sample B3ER-032306.



**QA/QC Review of Semi-Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA42415
One Soil Sample
Collected March 23, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample B3ER-032306 was extracted and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF100s for target compounds were above the allowable minimum (0.050), as required.

The %D for di-n-octylphthalate (30.7%) was above the allowable maximum (25%) on 03-27-06 (SCC70327.D). Positive results for di-n-octylphthalate should be considered estimates (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for sample B3ER-032306.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within control limits for MS/MSD sample SA42403-02.

Duplicate: The analyses of sample and duplicate SA42403-02 reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the laboratory duplicates were acceptable.

Laboratory Control Sample: The percent recoveries were within QC limits for LCS 6031453-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA42415
One Soil Sample
Collected March 23, 2006**

Prepared by: Donald Anné
December 14, 2006

Holding Times: Sample B3ER-032306 were analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required.

The average RRFs for acetone (0.036) and 2-butanone (0.018) were below the allowable minimum (0.050) for HPV6 on 03-03-06. Positive results for these two compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %D for 2-butanone (33.2%) was below the allowable maximum (25%) on 03-27-06 (CCC0327A.D). Positive results for 2-butanone should be considered estimates (J) in associated samples.

The RRF50s for acetone (0.043) and 2-butanone (0.039) were below the allowable minimum (0.050) on 03-27-06 (CCC0327A.D). Positive results for these two compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for sample B3ER-032306.

Matrix Spike/Matrix Spike Duplicate: This data was not provided in this data pack. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximums and the percent recoveries for target compounds were within QC limits for LCS/LCSD 6031475-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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September 25, 2006

Ms. Sandhya Pagilla
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27278

Re: Data Validation Reports
Glendale, New York Project
August 2006 Soil Sampling Event

Dear Ms. Pagilla:

The data validation summaries and data usability summary report (DUSR) for the August 2006 soil sampling event are attached to this letter for the Glendale, New York project. The data were mostly acceptable for Spectrum Analytical, Work Order Number SA48982 with issues that are identified in the validation summaries. There were volatile data in the data pack that were flagged as unusable (R). The data were flagged unusable (R) due to low response factors for those compounds. The data is rejected based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

I have included a list of data validation qualifiers and acronyms to assist you in interpreting the reports. If you have any questions concerning this report, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNF	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation



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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA48982
Four Soil Samples
Collected August 3, 2006**

Prepared by: Donald Anné
September 25, 2006

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of PCB analyses for two soil samples and the following analyses for two other soil samples.

Total and TCLP volatiles	Total and TCLP semi-volatiles	PCBs
Petroleum Hydrocarbons	Total and TCLP metals	Cyanide
Hexavalent chromium	Trivalent chromium	Sulfide
Total organic carbon		

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The “not detected” volatile results for 2-butanone in total volatile samples Bldg3-Coned-SW-DO-4 and Bldg3-Coned-NW-DO-4 were flagged as “unusable” (R) because the response factors for 2-butanone were below the allowable minimum in the associated initial and continuing calibrations.
- The “not detected” volatile result for acetone in total volatile sample Bldg3-Coned-SW-DO-4 was flagged as “unusable” (R) and the positive result for acetone in total volatile sample Bldg3-Coned-NW-DO-4 was flagged as “estimated” (J) because the response factors for acetone were below the allowable minimum in the associated initial and continuing calibrations.
- The positive volatile results for tetrachloroethene in total volatile samples Bldg3-Coned-SW-DO-4 and Bldg3-Coned-NW-DO-4 were flagged as “estimated” (J) because one of four surrogate recoveries was above control limits for these two samples.

- The “not detected” semi-volatile results for six compounds in total sample Bldg-Coned-NW-DO-4 were flagged as “estimated” (J) because the internal standard (IS5) that is used to quantitated the results was below control limits for total sample Bldg-Coned-NW-DO-4.
- The “not detected” semi-volatile results for 1,4-dichlorobenzene, hexachlorobutadiene, and hexachloroethane in TCLP samples Bldg-Coned-SW-DO-4 and Bldg-Coned-NW-DO-4 were flagged as “estimated” (J) because the percent recoveries for these compounds were below QC limits in the TCLP LCS 6080305-BS1.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

It should be noted that the “not detected” acetone and 2-butanone data were qualified as “R” based on validation criteria alone. These data, however, were associated with method-compliant calibrations, and the response factors for acetone and 2-butanone were greater than 0.010 (the method-compliant allowable minimum). It is this reviewer’s opinion that, although the validation guidelines recommend that the data should be considered unusable, the “R” data may be acceptable to the user, based on the preceding facts and additional information that is not contained in the validation criteria. The user is cautioned that there is a higher degree of analytical uncertainty associated with the R-flagged data, because the relative response factors for those compounds were less than 0.050.



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**QA/QC Review of Total and TCLP Volatiles
Data for Spectrum Analytical, Inc.
Work Order SA48982
Two Soil Samples
Collected August 3, 2006**

Prepared by: Donald Anné
September 25, 2006

Holding Times: Total volatile samples were analyzed within NYSDEC holding times and TCLP samples were prepared and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %RSDs for target compounds were below the allowable maximum (30%), as required.

The average RRFs for acetone (0.022) and 2-butanone (0.017) were below the allowable minimum (0.050) for HPV6 on 07-15-06. Positive results for these two compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8260B.

The %D for acetone (52.7%) and 1,1,2-trichloroethane (63.9%) were above the allowable maximum (25%) on 08-05-06 (LCS0804E.D). Positive results for these two compounds should be considered estimates (J) in associated samples.

The RRF50 for acetone (0.014) and 2-butanone (0.017) were below the allowable minimum (0.050) on 08-05-06 (LCS0804E.D). Positive results for these two compounds should be considered estimates (J) and negative results unusable (R) in associated samples.

Blanks: The analyses of total and TCLP method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Volatiles Data
Work Order SA48982

Surrogate Recovery: One of four surrogate recoveries for total samples Bldg3-Coned-SW-DO-4 and Bldg3-Coned-NW-DO-4 was above control limits. Positive results for total volatile samples Bldg3-Coned-SW-DO-4 and Bldg3-Coned-NW-DO-4 should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within control limits for MS/MSD sample SA48862-01.

Laboratory Control Sample: The relative percent differences for target volatiles were below the allowable maximum and the percent recoveries were within QC limits for the TCLP LCS/LCSD 6080444-BS1 and total LCS/LCSD 6080371-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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**QA/QC Review of Total and TCLP Semi-Volatiles
Data for Spectrum Analytical, Inc.
Work Order SA48982
Two Soil Samples
Collected August 3, 2006**

Prepared by: Donald Anné
September 25, 2006

Holding Times: Total semi-volatile samples were extracted and analyzed within NYSDEC holding times and TCLP samples were prepared, extracted, and analyzed within NYSDEC holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The SPCCs and CCCs were within control limits for method 8270C.

The RRF100s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analyses of total and TCLP method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard retention times were within control limits. One of six internal standard areas (IS5) for total sample Bldg3-Coned-NW-DO-4 was below control limits. Results for sample Bldg-Coned-NW-DO-4 that were quantitated using internal standard IS5 should be considered estimates (J).

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums and the percent recoveries were within control limits for total MS/MSD sample SA48972-03.

Duplicate: The analyses for the laboratory duplicates for total and TCLP samples were acceptable.

Laboratory Control Sample: The percent recoveries (%Rs) were within QC limits for the total LCS 6080310-BS1.

The %Rs for 1,4-dichlorobenzene, hexachlorobutadiene, and hexachloroethane were below QC limits for the TCLP LCS 6080305-BS1. All results for these three compounds should be considered estimates (J) in TCLP samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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**QA/QC Review of Petroleum Hydrocarbon
Data for Spectrum Analytical, Inc.
Work Order SA48982
Two Soil Samples
Collected August 3, 2006**

Prepared by: Donald Anné
September 25, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target petroleum hydrocarbons as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the water samples.

Laboratory Control Sample: The percent recovery for fuel oil #2 was within QC limits for LCS 6080309-BS1.

Duplicate: The analyses of the duplicates of sample SA48972-01 reported target petroleum hydrocarbons as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the duplicates were acceptable.

Initial Calibration: The correlation coefficients for target petroleum hydrocarbons were above the allowable minimum (0.995).

Continuing Calibration: The percent recoveries for target petroleum hydrocarbons were within QC limits (85-115%).

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**QA/QC Review of PCB Aroclor Data
for Spectrum Analytical, Inc.
Work Order SA48982
Four Soil Samples
Collected August 3, 2006**

Prepared by: Donald Anné
September 25, 2006

Holding Times: Samples were extracted and analyzed within NYSDEC holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the water samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum, and the percent recoveries were within QC limits for MS/MSD sample SA49036-01.

Laboratory Control Sample: The relative percent differences for aroclor-1016 and aroclor-1260 were below the allowable maximum, and the percent recoveries were within QC limits for LCS/LCSD 6080421-BS1.

Duplicate: The analyses of the duplicates of sample SA49036-01 reported target aroclors as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the duplicates were acceptable.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) for primary and confirmation columns, as required.

Continuing Calibration: Percent recoveries for target aroclors were within QC limits (85-115%).

PCB Analytical Sequence: This data is not applicable. The laboratory used internal standards to quantitate sample results.

PCB Identification Summary for Multi-Component Analytes: Checked surrogates were within GC quantitation limits. The analyses of samples in this data pack reported target aroclors as not detected.

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**QA/QC Review of Total and TCLP Metals
Data for Spectrum Analytical, Inc.
Work Order SA48982
Two Soil Samples
Collected August 3, 2006**

Prepared by: Donald Anné
September 25, 2006

Holding Times: Samples for total metals were analyzed within the NYSDEC holding times and TCLP samples were prepared and analyzed within NYSDEC holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (80-120% for Hg, 90-110% for all other metals).

Blanks: The analyses for initial and continuing calibration blanks reported target metals as below the CRDLs, as required. The total soil and TCLP preparation blanks reported target metals as not detected.

ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries (%Rs) for target total metals were within control limits (75-125%) for soil MS/MSD samples Bldg3-Coned-SW-DO-4 and Bldg3-Coned-NW-DO-4.

The %Rs for TCLP metals were within control limits (75-125%) for soil MS/MSD sample Bldg3-Coned-SW-DO-4.

Duplicates: The relative percent differences for target total metals were below the allowable maximum (35%) for MS/MSD sample Bldg3-Coned-SW-DO-4 and Bldg3-Coned-NW-DO-4, and duplicate sample Bldg3-Coned-SW-DO-4 and Bldg3-Coned-NW-DO-4.

The RPDs for TCLP metals were below the allowable maximum (35%) for MS/MSD sample Bldg3-Coned-SW-DO-4 and duplicate sample Bldg3-Coned-SW-DO-4.

Laboratory Control Sample: The percent recoveries for target total metals were within control limits (80-120%) for total soil LCS 6080282-BS1.

TAL Metals Data
Work Order SA48982

The percent recoveries for TCLP metals were within control limits (80-120%) for TCLP LCSs 6080406-BS1, 6080407-BS1, and 6080465-BS1.

Standard Reference Material: The percent recoveries for target total metals were within QC limits for 6080292-SRM1, 6080292-SRM2, and 6080293-SRM1.

ICP Serial Dilution: The serial dilution data was not provided; therefore, %Ds could not be evaluated.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for the soil samples were greater than 50%, as required.



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**QA/QC Review of Cyanide and Sulfide
Data for Spectrum Analytical, Inc.
Work Order SA48982
Two Soil Samples
Collected August 3, 2006**

Prepared by: Donald Anné
September 25, 2006

Holding Times: Samples were analyzed within the NYSDEC holding times.

Blanks: The analysis of the method blank reported cyanide and sulfide as not detected.

Duplicates: The relative percent differences for cyanide and sulfide were below the allowable maximum (35%) in duplicate sample SA48906-02, as required.

Laboratory Control Sample: The percent recoveries for cyanide and sulfide were within control limits in the LCS.



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**QA/QC Review of Trivalent and Hexavalent
Chromium Data for Spectrum Analytical, Inc.
Work Order SA48982
Two Soil Samples
Collected August 3, 2006**

Prepared by: Donald Anné
September 25, 2006

Holding Times: Samples were analyzed within the NYSDEC holding times.

Blanks: The analysis of the method blank reported cyanide and sulfide as not detected.

Spike Sample Recovery: The percent recoveries for hexavalent chromium were within control limits (75-125%) for soil MS/MSD samples Bldg3-Coned-NW-DO-4.

Duplicates: The relative percent differences for trivalent and hexavalent chromium were below the allowable maximum (35%) in MS/MS sample Bldg3-Coned-NW-DO-4 and duplicate samples Bldg3-Coned-SW-DO-4 and Bldg3-Coned-NW-DO-4, as required.

Laboratory Control Sample: The percent recoveries for hexavalent chromium was within control limits in LCS 6080385-BS1.

Standard Reference Material: The percent recovery for hexavalent chromium was within QC limits for 6080385-SRM1.



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**QA/QC Review of Total Organic Carbon
Data for Spectrum Analytical, Inc.
Work Order SA48982
Two Soil Samples
Collected August 3, 2006**

Prepared by: Donald Anné
September 25, 2006

Holding Times: Samples were analyzed within the NYSDEC holding times.

Blanks: The analyses of method blanks reported total organic carbon (TOC) as not detected.

Standard Reference Material: The percent recoveries for TOC were within QC limits for 6080469-SRM1, 6080469-SRM2, 6080469-SRM3, and 6080469-SRM4.



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October 24, 2006

Ms. Sandhya Pagilla
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27278

Re: Data Validation Reports
Glendale, New York Project
September 2006 Air Sampling Event

Dear Ms. Pagilla:

The data validation summary and data usability summary report (DUSR) for the September 2006 air sampling event are attached to this letter for the Glendale, New York project. The data were acceptable for Spectrum Analytical, Work Order Number SA51984, with no issues identified in the validation summary. There were no data that were flagged as unusable (R) or estimated (J).

I have included a list of data validation qualifiers and acronyms to assist you in interpreting the reports. If you have any questions concerning this report, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald C. Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA51984**

**8 Air Samples
Collected September 28, 2006**

**Prepared by: Donald Anné
October 24, 2006**

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of TO15 volatile analysis for 8 air samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical method.

The data are all acceptable and considered usable. There were no data flagged as estimated (J) or unusable (R) in this data pack. Detailed information on data quality is included in the data validation review.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA51984
8 Air Samples
Collected September 28, 2006**

Prepared by: Donald Anné
October 24, 2006

Holding Times: Samples were analyzed within the EPA recommended holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%) , as required.

Blanks: The analyses of the preparation and method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for air samples and trip blank.

Field Duplicates: The analyses of the laboratory duplicates, sample OSV-4A-, reported target volatiles as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the laboratory duplicate pair were acceptable.

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for LCSs 6100271-BS1 and 6100375-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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October 30, 2006

Ms. Sandhya Pagilla
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27278

Re: Data Validation Reports
Glendale, New York Project
October 2006 Air Sampling Event

Dear Ms. Pagilla:

The data validation summaries and data usability summary reports (DUSRs) for the October 2006 air sampling event are attached to this letter for the Glendale, New York project. The data were acceptable for Spectrum Analytical, Work Order Numbers SA52611 and SA56275, with no issues identified in the validation summary. There were no data that were flagged as unusable (R) or estimated (J).

I have included a list of data validation qualifiers and acronyms to assist you in interpreting the reports. If you have any questions concerning this report, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald C. Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNPP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



Geology

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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA52611**

**4 Air Samples
Collected October 13, 2006**

**Prepared by: Donald Anné
October 30, 2006**

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of TO15 volatile analysis for 4 air samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical method.

The data are all acceptable and considered usable. There were no data flagged as estimated (J) or unusable (R) in this data pack. Detailed information on data quality is included in the data validation review.

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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA52611
4 Air Samples
Collected October 13, 2006**

Prepared by: Donald Anné
October 30, 2006

Holding Times: Samples were analyzed within the EPA recommended holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%) , as required.

Blanks: The analyses of the preparation and method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for air samples and trip blank.

Duplicates: The analyses of the laboratory duplicates, sample AMOUT, reported target volatiles as either not detected or below reporting limits; therefore, valid relative percent differences could not be calculated. The analyses for the laboratory duplicate pair were acceptable.

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for LCS 6101170-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA52675**

**2 Air Samples
Collected October 16, 2006**

**Prepared by: Donald Anné
October 30, 2006**

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of TO15 volatile analysis for 2 air samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical method.

The data are all acceptable and considered usable. There were no data flagged as estimated (J) or unusable (R) in this data pack. Detailed information on data quality is included in the data validation review.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.**

Work Order SA52675

2 Air Samples

Collected October 16, 2006

Prepared by: Donald Anné

October 30, 2006

Holding Times: Samples were analyzed within the EPA recommended holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%) , as required.

Blanks: The analyses of the preparation and method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for air samples and trip blank.

Duplicates: The analyses of the laboratory duplicates, sample SA52611-04, reported target volatiles as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the laboratory duplicate pair were acceptable.

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for LCS 6101170-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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November 3, 2006

Ms. Sandhya Pagilla
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27278

Re: Data Validation Reports
Glendale, New York Project
October 2006 Air Sampling Event

Dear Ms. Pagilla:

The data validation summary and data usability summary report (DUSR) for the October 2006 air sampling event are attached to this letter for the Glendale, New York project. The data were acceptable for Spectrum Analytical, Work Order Number SA53083, with no issues identified in the validation summary. There were no data that were flagged as unusable (R) or estimated (J).

I have included a list of data validation qualifiers and acronyms to assist you in interpreting the reports. If you have any questions concerning this report, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald C. Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlorophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA53083**

**3 Air Samples
Collected October 24, 2006**

**Prepared by: Donald Anné
November 3, 2006**

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of TO15 volatile analysis for 3 air samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical method.

The data are all acceptable and considered usable. There were no data flagged as estimated (J) or unusable (R) in this data pack. Detailed information on data quality is included in the data validation review.

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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA53083
3 Air Samples
Collected October 24, 2006**

Prepared by: Donald Anné
November 3, 2006

Holding Times: Samples were analyzed within the EPA recommended holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%) , as required.

Blanks: The analyses of the preparation and method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for air samples and trip blank.

Duplicates: The analyses of the laboratory duplicates, sample SA52996-01, reported target volatiles as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the laboratory duplicate pair were acceptable.

Laboratory Control Sample: The percent recoveries for target compounds were within QC limits for LCS 6101890-BS1.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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December 12, 2006

Ms. Sandhya Pagilla
Langan Engineering and Environmental
Services, Inc.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-27278

Re: Data Validation Reports
Glendale, New York Project
November 2006 Air Sampling Event

Dear Ms. Pagilla:

The data validation summary and data usability summary report (DUSR) for the November 2006 air sampling event are attached to this letter for the Glendale, New York project. The data were mostly acceptable for Spectrum Analytical, Work Order Numbers SA54596 and SA54671 with minor issues that are identified in the validation summaries. There were no data that were flagged as unusable (R) in these data packs.

I have included a list of data validation qualifiers and acronyms to assist you in interpreting the reports. If you have any questions concerning this report, please contact us at (518) 348-6995. Thank you for the opportunity to assist Langan Engineering and Environmental Services, Inc.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

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Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA54596**

**4 Air Samples
Collected November 21, 2006**

Prepared by: Donald Anné
December 12, 2006

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of TO-15 volatile analysis for 4 air samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical method.

The data are acceptable with minor issues that are identified in the accompanying data validation review. The following data were flagged:

- All results for chloromethane, carbon disulfide, hexane, and ethyl acetate were flagged as “estimated” (J) in all four air samples because the percent recoveries for these compounds were below the QC limits for LCS 6111838-BS1.
- The positive results for 1,3,5-trimethylbenzene were flagged as “estimated” (J) in samples OSV-B-112106, OSV-C-112106, and OSV-D-112106 because the percent recovery for 1,3,5-trimethylbenzene was above the QC limits for LCS 6111838-BS1.
- The positive results for 1,2,4-trimethylbenzene were flagged as “estimated” (J) in the four air samples because the percent recovery for 1,2,4-trimethylbenzene was above the QC limits for LCS 6111838-BS1.
- The positive results for 1,4-dichlorobenzene were flagged as “estimated” (J) in samples OSV-C-112106 and OSV-D-112106 because the percent recovery for 1,4-dichlorobenzene was above the QC limits for LCS 6111838-BS1.
- The positive results for ethanol were flagged as “estimated” (J) in the four air samples because the %D for ethanol was above the allowable maximum (25%) for the associated continuing calibration.

- The positive results for isopropyl alcohol were flagged as “estimated” (J) in samples OSV-A-112106 and OSV-B-112106 because the percent recovery for isopropyl alcohol was above the QC limits for LCS 6111838-BS1.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA54596
4 Air Samples
Collected November 21, 2006**

Prepared by: Donald Anné
December 12, 2006

Holding Times: Samples were analyzed within the EPA recommended holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50s for target compounds were above the allowable minimum (0.050), as required.

The %Ds for the following compounds were above the allowable maximum (25%) on 11-27-06 (0612008-CCV1). Positive results for these compounds should be considered estiamtes (J) in associated samples.

propene (34.0%)	chloromethane (30.7%)	vinyl chloride (27.8%)
1,3-butadiene (29.1%)	chloroethane (29.1%)	ethanol (29.1%)
isopropyl alcohol (36.8%)	hexachlorobutadiene (61.0%)	ethyl acetate (27.3%)
1,2,4-trichlorobenzene (43.2%)		

Blanks: The analyses of the preparation and method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for air samples and trip blank.

Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (30%) for laboratory duplicate sample OSV-D-112106, as required.

Laboratory Control Sample: The percent recoveries for following compounds were above QC limits for LCS 6111838-BS1. Positive results for these compounds should be considered estimates (J) in associated samples.

bromoform	1,3,5-trimethylbenzene	1,2,4-trimethylbenzene
1,3-dichlorobenzene	1,4-dichlorobenzene	1,2-dichlorobenzene
1,2,4-trichlorobenzene	hexachlorobutadiene	

The percent recoveries for chloromethane, carbon disulfide, hexane, and ethyl acetate were below QC limits for LCS 6111838-BS1. All results for these compounds should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.



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**Data Usability Summary Report
for Spectrum Analytical, Inc.
Work Order SA54671**

**10 Air Samples
Collected November 27, 2006**

Prepared by: Donald Anné
December 12, 2006

The data package contains the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of TO-15 volatile analysis for 10 air samples.

The overall performances of the analyses are acceptable. Spectrum Analytical, Inc. did fulfill the requirements of the analytical method.

The data are acceptable with one minor issues that is identified in the accompanying data validation review. The following data were flagged:

- The “not detected” results for carbon disulfide and ethyl acetate were flagged as “estimated” (J) in the four air samples because the percent recoveries for these compounds were below the QC limits for LCS 6111928-BS1.

All data are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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**QA/QC Review of Volatiles Data
for Spectrum Analytical, Inc.
Work Order SA54671
10 Air Samples
Collected November 27, 2006**

Prepared by: Donald Anné
December 12, 2006

Holding Times: Samples were analyzed within the EPA recommended holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.050) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF50s for target compounds were above the allowable minimum (0.050) and the %Ds were below the allowable maximum (25%), as required.

Blanks: The analyses of the preparation and method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for air samples and trip blank.

Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (30%) for laboratory duplicate sample SV-G-Air-112706, as required.

Laboratory Control Sample: The percent recoveries for carbon disulfide and ethyl acetate were below QC limits for LCS 6111928-BS1. All results for these compounds should be considered estimates (J) in associated samples.

Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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Data Usability Summary Report Atlas Park - Parcel B

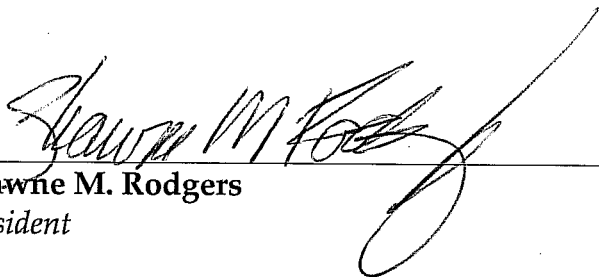
December 26, 2006

Environmental Data Quality, Inc.
967 East Swedesford Road, Suite 404
Exton, Pennsylvania 19341

File No.: T00.60.01

Data Usability Summary Report Atlas Park - Parcel B

December 26, 2006



Shawne M. Rodgers
President

Environmental Data Quality, Inc.
967 East Swedesford Road, Suite 404
Exton, Pennsylvania 19341

File No.: T00.60.01

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ATTACHMENT 1 ANALYSIS RESULT FORMS

ATTACHMENT 2 METHODOLOGY REFERENCES

EXECUTIVE SUMMARY

This analytical data usability summary report is based on the review of data generated for air and soil samples.

The samples were analyzed for organic and inorganic parameters specified in Table 1. Spectrum Analytical, Inc., Agawam, Massachusetts performed the analyses. The sample analyses were performed according to methods referenced in "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates II, IIA, and III, June 1997.

Results have been validated or qualified according to general guidance provided in Region II "Validating Volatile Organic Compounds by SW-846 Method 8260B", SOP HW-24, Revision 1, June 1999, "Validating Canisters of Volatile Organics in Ambient Air", HW-18, Revision 0, August 1994, "Validating Semivolatile Organic Compounds by SW-846 Method 8270C", SOP HW-22 Revision 2, June 2001, "Validating Pesticide/PCB Compounds by SW-846 Method 8080A", SOP HW-23, Revision 0, May 1995, "Evaluation of Metals Data for the CLP Program", SOP HW-2, Revision 13, September 2005.

The organic and inorganic analyses were performed acceptably, but required qualifying statements. The aspects of the data that required qualification are identified in this report for all of the samples that received a data validation review.

Results for volatile compounds were qualified for the air and soil samples due to their presence in associated blanks. Other qualifications to the data were due to the suspected presence of interferences, as evidenced by matrix spike recoveries, dual column precision, and laboratory duplicate results.

This analytical data usability summary report is based on the review of data generated for air and soil samples.

The samples were analyzed for organic and inorganic parameters specified in Table 1. Spectrum Analytical, Inc., Agawam, Massachusetts performed the analyses. The sample analyses were performed according to methods referenced in "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates II, IIA, and III, June 1997.

Results have been validated or qualified according to general guidance provided in Region II "Validating Volatile Organic Compounds by SW-846 Method 8260B", SOP HW-24, Revision 1, June 1999, "Validating Semivolatile Organic Compounds by SW-846 Method 8270C", SOP HW-22 Revision 2, June 2001, "Validating Pesticide/PCB Compounds by SW-846 Method 8080A", SOP HW-23, Revision 0, May 1995, "Validating Chlorinated Herbicides by Gas Chromatography", HW-17, Revision 1.3, November 1994, and "Evaluation of Metals Data for the CLP Program", SOP HW-2, Revision 11, January 1992.

The organic and inorganic analyses were performed acceptably, but required qualifying statements. The aspects of the data that required qualification are identified in this report for all of the samples that received a data validation review.

Completeness of data deliverables and method compliance for all samples is discussed in Section 2.0. Qualifications to data are summarized in Sections 3.0 and 4.0. Analysis result forms presenting the validated and qualified results for the samples receiving the data validation are included in Attachment 1.

During the course of the quality assurance data validation review, an evaluation of the completeness of the data deliverables provided by the laboratory and compliance to the specified method protocols was performed. Data deliverables that were determined to be either incomplete or incorrect were required to be resubmitted by the laboratory. Deviations from the protocols in the required analysis methods were evaluated to determine the impact, if any on the analysis results reported by the laboratory. Qualifications to the data resulting from method deviations are discussed fully for the samples receiving the comprehensive review in the Sections 3.0 and 4.0.

2.1 DATA DELIVERABLE COMPLETENESS

2.1.1 Organic Analyses

- Samples VP-Outdoor and 77AVE-Outdoor 77-AVE-OA-12/05/06 and 77-AVE-OAI-12/06/06, 77AVE-OA2-120706, RES#11-I1-120706, and 80ST-OA3-120706 were re-analyzed by the laboratory using Select Ion Monitoring (SIM) in order to detect trace levels of certain compounds. The laboratory analysis reports presented results from both the full scan and SIM analysis. The Reporting Limits for SIM analyses were incorrectly presented for results from the full scan analyses. Additionally, standard and quality control data (laboratory method blank, laboratory control sample, etc.) supporting the SIM analyses was absent from the data package. The laboratory was contacted and provided revised results for the samples that presented the correct Reporting Limits for each compound. Standard and quality control data associated with the SIM analyses was also provided.
- Review of the raw data indicated the presence of m/p-xylene in sample RES#10-I1-120706) at a concentration of 0.42ppbv, which is above the method detection limit of 0.246 ppbv. A positive result, however, was not reported for toluene for this sample. The laboratory was contacted and provided a revised analysis result form for the sample.

2.1.2 Inorganic Analyses

The data deliverables were complete.

There were no deviations from the procedures specified in the organic and inorganic methodologies.

The findings offered in this report are based on a review of the analytical data reported according to New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B.

The data validation included an assessment of the following items: chain of custody documentation, holding times, laboratory method, trip, and field blank results, surrogate recoveries, matrix spike recoveries, bromofluorobenzene and decafluorotriphenylphosphine mass tuning data, initial and continuing calibration summaries, internal standard performance, and evaluation of sample chromatograms.

The organic analyses were performed acceptably, but require qualifying statements. It is recommended that the data only be used according to the qualifying statements presented below. Any data that are not discussed in this report should be considered qualitatively and quantitatively valid, based on the items evaluated. Validated and/or qualified results for the samples are provided in Attachment 1.

3.1

ORGANIC DATA QUALIFIERS

3.1.1

Air Samples

- The positive methylene chloride results for samples VP-Outdoor and 77AVE-Outdoor are qualitatively invalid due to the presence of this compound in associated laboratory method and/or field blanks. USEPA protocol requires positive results for common contaminants, such as methylene chloride, that are less than or equal to ten times the associated blank contamination level, to be considered qualitatively invalid. Results for the samples are greater than the quantitation limits, and are marked "U".
- The positive methylene chloride results for samples 77-AVE-OA-12/05/06 and 77-AVE-OAI-12/06/06 are qualitatively invalid due to the presence of this compound in associated laboratory method and/or field blanks. USEPA protocol requires positive results for common contaminants, such as methylene chloride, that are less than or equal to ten times the associated blank contamination level, to be considered qualitatively invalid. Results for the samples are greater than the quantitation limits, and are marked "U".
- The positive methylene chloride results for samples 77AVE-OA2-120706 and RES#11-I1-120706 are qualitatively invalid due to the presence of this compound in associated laboratory method and/or field blanks. USEPA protocol requires positive results for common

contaminants, such as methylene chloride, that are less than or equal to ten times the associated blank contamination level, to be considered qualitatively invalid. Results for the samples are greater than the quantitation limits, and are marked "U".

- The quantitation limits for volatile compound 1, 2, 4-trichlorobenzene for all samples, except Air 120506, SV-N 120506, VP-Outdoor, 77AVE-Outdoor, and SV-M 120506 s should be considered quantitative estimates. The continuing calibration precision criterion (the percent difference between initial and continuing calibration Relative Response Factors (RRF) ≤ 20 percent) was exceeded for this compound. This indicates a lack of instrument stability. The nondetected results for the samples have been marked "UJ".
- Positive ethanol results for samples RES#1-I1-120406, RES#1-I2-120406, RES#4-I1-120406, RES#4-I2-120406, RES#4-SS-120406, 81-32-I1-120406, 81-32-I2-120406, and 81-16-I1-120406, 81-16-I2-120406 should be considered quantitative estimates. The responses for this compound exceeded the linear range of the GC/MS instrument for the initial undiluted analyses. The laboratory did not re-analyze the samples at dilutions. The affected results have been marked with "J" qualifiers to indicate that they are quantitative estimates.
- Positive ethanol results for samples RES#5-I2-120606, RES#5-I1-120606, RES#6-I1-120506, RES#6-I2-120506, RES#7-I1-120506, RES#7-I2-120506, RES#8-I1-120506, RES#8-I2-120506, RES#9-I1-120506, and RES#9-I2-120506 should be considered quantitative estimates. The responses for this compound exceeded the linear range of the GC/MS instrument for the initial undiluted analyses. The laboratory did not re-analyze the samples at dilutions. The affected results have been marked with "J" qualifiers to indicate that they are quantitative estimates.
- Positive ethanol results for samples RES#10-I1-120706, RES#10-I2-120706, RES#12-I2-120606, and RES#12-I1-120606 should be considered quantitative estimates. The responses for this compound exceeded the linear range of the GC/MS instrument for the initial undiluted analyses. The laboratory did not re-analyze the samples at dilutions. The affected results have been marked with "J" qualifiers to indicate that they are quantitative estimates.

3.1.2

Soil Samples

- Positive acetone and methylene chloride results for samples contained in SDG 208881 are qualitatively invalid due to the presence of these compounds in associated laboratory method and/or field blanks. USEPA protocol requires positive results for common

contaminants, such as acetone or methylene chloride, that are less than or equal to ten times the associated blank contamination level, to be considered qualitatively invalid. Replacing results that are less than the quantitation limit with the quantitation limit has indicated this. Results that are greater than the quantitation limits are marked "U".

- The following positive results and quantitation limits are biased low quantitative estimates, and may be higher than reported. Low recoveries for these compounds were obtained for the associated laboratory control sample analysis. The low recovery indicates inefficiencies with the sample extraction/analytical processes. The positive results for the affected compounds have been marked with "J" qualifiers to indicate that they are biased low quantitative estimates. Quantitation limits are marked "UJ".

<i>Compound</i>	<i>Samples With Qualified Results</i>
<i>Vinyl Chloride</i>	CONED-WSW-022305
<i>Toluene</i>	All Samples
<i>Chlorobenzene</i>	CONED-SSW-022305, CONED-BOT1-022305, CONED-BOT2-022305
<i>Ethylbenzene</i>	CONED-WSW-022305
<i>Xylenes, (Total)</i>	CONED-SSW-022305, CONED-BOT1-022305, CONED-BOT2-022305

- The following pesticide compounds were reported by the laboratory at concentrations less than the quantitation limit. Poor precision (greater than 100 % difference between results) was observed for these analytes on the dual chromatographic columns used for sample analysis. The laboratory for reporting purposes used the lower concentration for these compounds. The positive pesticide compounds should be considered non-detected at the quantitation limit. The results have been replaced with the quantitation limit and marked "U".

<i>Sample</i>	<i>Affected Compounds</i>
CONED-SSW-022305	Endosulfan II
CONED-WSW-022305	4,4'-DDT
CONED-BOT1-022305	beta-BHC, gamma-BHC
CONED-BOT2-022305	beta-BHC, Heptachlor epoxide, alpha-Chlordane

- For the following samples, a lack of precision (greater than 40 % difference between results) was observed for this analyte on the dual chromatographic columns used for sample analysis. As required by USEPA protocol, the laboratory for reporting purposes used the lower concentration for these compounds. The result has been marked with "J" qualifiers to indicate that it is a quantitative estimate

<i>Sample</i>	<i>Affected Compounds</i>
CONED-SSW-022305	4,4'-DDT, alpha-Chlordane
CONED-BOT1-022305	4,4'-DDT
CONED-BOT2-022305	Endosulfan sulfate, 4,4'-DDT

- The results for heptachlor epoxide and endosulfan sulfate were reported for sample CONED-BOT1-022305 at a concentration greater than the quantitation limit. Poor precision (greater than 100 % difference between results) was observed for these analytes on the dual chromatographic columns used for sample analysis. The laboratory for reporting purposes used the lower concentration for these compounds. The positive results have been rejected, and should be considered suspect. The results have been marked "R" to indicate that they are suspect.

3.1.1

General Data Qualifiers

- Compounds that were qualitatively identified at concentrations below their respective Quantitation Limits (QLs) have been marked with "J" qualifiers to indicate that they are quantitative estimates.

The findings offered in this report are based on a review of the analytical data reported according to New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B.

The data validation included an assessment of the following items: chain of custody documentation, holding times, and summaries of laboratory method blank, field blank, and calibration blank results, calibration verification results, matrix spike results, laboratory duplicate analysis results, Inductively Coupled Plasma Emission (ICP) Spectroscopy serial dilution results, ICP interference check sample results and laboratory control sample results.

The inorganic analyses were performed acceptably, and require no qualifying statements, based on the deliverables reviewed. The data should be considered qualitatively and quantitatively valid, based on the items evaluated. Validated and/or qualified results for the samples are provided in Attachment 1.

4.1

INORGANIC DATA QUALIFIERS

- The positive results reported for lead, manganese, mercury, sodium, and vanadium for the samples contained in SDG 208881 are quantitative estimates. The laboratory duplicate precision criterion was exceeded for these analytes. This lack of precision may be due to sample heterogeneity. The positive results for the analytes in these samples have been marked with "J" qualifiers indicate that they are quantitative estimates.
- The antimony and thallium positive results and detection limits for the samples contained in SDG 208881 are biased low quantitative estimates, and may be higher than reported. Low recoveries for these analytes were obtained for the associated matrix spike analysis. The low recoveries indicate the presence of interferences in samples of similar matrix. The positive results for antimony and thallium have been marked with "J" qualifiers to indicate that they are biased low quantitative estimates. Detection limits are marked "UJ".
- The arsenic positive results for the samples contained in SDG 209280 are biased high quantitative estimates, and may be higher than reported. A high recovery for this analyte was obtained for the associated matrix spike analysis. The high recovery indicates the presence of interferences in samples of similar matrix. The positive

results for arsenic have been marked with "J" qualifiers to indicate that they are biased high quantitative estimates.

- The arsenic positive results and detection limits for the samples contained in SDG 209281 are biased low quantitative estimates, and may be higher than reported. A low recovery for this analyte was obtained for the associated matrix spike analysis. The low recovery indicates the presence of interferences in samples of similar matrix. The positive results for arsenic have been marked with "J" qualifiers to indicate that they are biased low quantitative estimates. Detection limits are marked "UJ".

The organic and inorganic analyses described in this analytical data usability summary report were performed acceptably, but required qualifying statements. The aspects of the data that required qualification are identified in this report.

Attachment 1

*Analysis Results Forms - Chemtech Sample Delivery Group
T5335*

Attachment 1
Analysis Results Forms - Severn Trent Laboratories Sample
Delivery Group 208881

Attachment 1

*Analysis Results Forms - Severn Trent Laboratories Sample
Delivery Group 209184*

Attachment 1
Analysis Results Forms - Severn Trent Laboratories Sample
Delivery Group 209281

Attachment 1

*Analysis Results Forms - Severn Trent Laboratories Sample
Delivery Group 209280*

Attachment 1
Analysis Results Forms - Severn Trent Laboratories Sample
Delivery Group 209281

Attachment 1
Analysis Results Forms - Severn Trent Laboratories Sample
Delivery Group 210440

Attachment 1
Analysis Results Forms – Spectrum Analytical Sample
Delivery Group SA55102

Attachment 1
Analysis Results Forms – Spectrum Analytical Sample
Delivery Group SA55245

Attachment 1
Analysis Results Forms – Spectrum Analytical Sample
Delivery Group SA55328

Attachment 2
Methodology References

METHODOLOGY REFERENCES

Analysis	Reference
Volatile Organic Compound	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)", Third Edition, Final (Promulgated) Updates II, IIA, and III, June 1997, Method 8260B
Volatile Organic Compound in Air	"Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA/625/R-96/010b, second edition, January 1999, Method TO-15
Semivolatile Organic Compounds	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)", Third Edition, Final (Promulgated) Updates II, IIA, and III, June 1997, Method 8270C
Pesticide Compounds	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)", Third Edition, Final (Promulgated) Updates II, IIA, and III, June 1997, Method 8081A
Polychlorinated Biphenyl Constituents	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)", Third Edition, Final (Promulgated) Updates II, IIA, and III, June 1997, Method 8082
Total Metals (Except Mercury)	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)", Third Edition, Final (Promulgated) Updates II, IIA, and III, June 1997, Method 6010B
Mercury	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)", Third Edition, Final (Promulgated) Updates II, IIA, and III, June 1997, Method 7470A /7471A
Cyanide	"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)", Third Edition, Final (Promulgated) Updates II, IIA, and III, June 1997, Method 9012A

Table 1 Samples For Data Validation Review
Atlas Park - Parcel B
Glendale, New York
CHEMTECH Sample Delivery Group T5335

SAMPLE I.D.	LABORATORY I.D.	DATE SAMPLED	ANALYSES PERFORMED	
			MET	MET
Bldg 28 Pipe Trench-North End	T5335	1 10/19/2005	X	
Bldg 28 Pipe Trench-South End	T5335	2 10/19/2005	X	
Bldg 28 Pipe Trench-Center	T5335	3 10/19/2005	X	
MET			Arsenic, Barium, Chromium, Copper, Nickel, Selenium, Vanadium, Zinc	

Report of Analysis**Client:** Langan Engineering and Environmental Ser**Date Collected:** 10/19/2005**Project:** Atlas Park 5555107**Date Received:** 10/21/2005**Client Sample ID:** BLDG28PIPETRENCH-NORTHERN**SDG No.:** T5335**Lab Sample ID:** T5335-01**Matrix:** SOIL**% Solids:** 85.30

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	5.280		mg/Kg	0.460	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-39-3	Barium	95.3		mg/Kg	0.084	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-47-3	Chromium	13.6		mg/Kg	0.103	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-50-8	Copper	58.2		mg/Kg	0.076	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-02-0	Nickel	11.5		mg/Kg	0.143	1	10/25/2005	10/26/2005	EPA SW-846 6010
7782-49-2	Selenium	0.400	U	mg/Kg	0.400	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-62-2	Vanadium	20.6		mg/Kg	0.070	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-66-6	Zinc	151		mg/Kg	0.084	1	10/25/2005	10/26/2005	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

SMK
12/23/2005

Report of Analysis

Client:	Langan Engineering and Environmental Ser	Date Collected:	10/19/2005
Project:	Atlas Park 5555107	Date Received:	10/21/2005
Client Sample ID:	BLDG28PIPETRENCH-SOUTHEN	SDG No.:	T5335
Lab Sample ID:	T5335-02	Matrix:	SOIL
		% Solids:	86.90

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	5.190		mg/Kg	0.442	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-39-3	Barium	102		mg/Kg	0.081	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-47-3	Chromium	14.9		mg/Kg	0.099	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-50-8	Copper	64.9		mg/Kg	0.073	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-02-0	Nickel	13.5		mg/Kg	0.138	1	10/25/2005	10/26/2005	EPA SW-846 6010
7782-49-2	Selenium	0.403	J	mg/Kg	0.385	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-62-2	Vanadium	22.7		mg/Kg	0.068	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-66-6	Zinc	234		mg/Kg	0.081	1	10/25/2005	10/26/2005	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

SMM
12/23/2005

Report of Analysis

Client:	Langan Engineering and Environmental Ser	Date Collected:	10/19/2005
Project:	Atlas Park 5555107	Date Received:	10/21/2005
Client Sample ID:	BLDG28PIPETRENCH-CENTER	SDG No.:	T5335
Lab Sample ID:	T5335-03	Matrix:	SOIL
		% Solids:	87.40

CAS No.	Analyte	Conc.	Qualifier	Units	DL	Dilution	Date Prep	Date Anal.	Method
7440-38-2	Arsenic	22.4		mg/Kg	0.444	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-39-3	Barium	247		mg/Kg	0.082	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-47-3	Chromium	13.7		mg/Kg	0.100	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-50-8	Copper	168		mg/Kg	0.074	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-02-0	Nickel	11.6		mg/Kg	0.138	1	10/25/2005	10/26/2005	EPA SW-846 6010
7782-49-2	Selenium	0.386	U	mg/Kg	0.386	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-62-2	Vanadium	37.2		mg/Kg	0.068	1	10/25/2005	10/26/2005	EPA SW-846 6010
7440-66-6	Zinc	216		mg/Kg	0.082	1	10/25/2005	10/26/2005	EPA SW-846 6010

Comments:

U = Not Detected
DL = Method Detection Limit or Instrument Detection Limit

J = Estimated Value
B = Analyte Found In Associated Method Blank
N = Presumptive Evidence of a Compound

SMY
12/23/2004